

SELF STUDY REPORT

Submitted to



NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL
Bangalore, India.



**DHANALAKSHMI SRINIVASAN
ENGINEERING COLLEGE**

Approved by AICTE,
New Delhi and Affiliated to Anna University, Chennai.
(An ISO 9001-2008 Certified Institution)

bsi.



Years of Enchanting
Education

www.dsengg.ac.in

MAY 2014

Declaration by the Head of the Institution

I certify that the data included in this Self-Study Report (SSR) are true to the best of my Knowledge.

This SSR is prepared by the institution after internal discussion, and no part thereof has been outsourced.

I am aware that the peer team will validate the information provided in this SSR during the peer team visit.

-Sd-

**Signature of the Head of the institution
With seal:**

**Place: Perambalur
Date: 30-05-2014**

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Preface

We, the Dhanalakshmi Srinivasan Engineering College, Perambalur, are very greatly inspired by the NAAC's conviction that "Any quality improvement with educational system has to come from within and no amount of external audit and assessment can help directly. It is believed that introspective and frank self assessment will help the institution to perceive its strength and weakness. This will set it on the path of quality enhancement, and the analysis consequent upon it. The college should improve on its own and should undergo endogenous improvement in quality teaching and learning". A sense of introspection emerged in all of us including students, faculty, administration and management, the result of this introspection enabled us to go in for NAAC and realize where they stand, what their merits and demerits are. Everyone in our campus has become highly quality conscious, definitely not to impress outside world but as a means to strengthen their own self-esteem. Everyone has come to believe in it in order to perform one's best. We vouchsafe for the same, out of our own long years of experience in self evaluation. The net outcome, however, is in your hands.

This effort of ours is a collective one, as it should be, under the able and far-sighted leadership of our Principal and under the benevolent supervision and advice of the college management.

The Principal and the college management have given their personal attention at every stage of this strenuous task.

The steering committee was broad-based and includes representatives from various constituents:

Chairperson:

Shri.A.Srinivasan

Vice-Chairperson:

Shri.S.Kathiravan

Secretary:

Shri.P.Neelaraj

Principal:

Dr.C.Natarajan

Vice-Principal:

Prof.S.Nandhakumar

Members:

S.No	Name	Department
1.	Dr.K.Ashok	Aeronautical Engineering
2.	Prof.C.Narayanan	Biomedical Engineering
3.	Ms.T.Pushpalatha	Civil Engineering
4.	Prof.J.Sasidevi	Computer Science and Engineering
5.	Ms.S.Jayanthi	Electrical and Electronics Engineering
6.	Ms.P.Rajeswari	Electronics and Communication Engineering
7.	Mr.J.Britto Dennis	Information Technology
8.	Mr.P.Sivamurugan	Mechanical Engineering
9.	Dr.K.Soundararajan	Master of Business Administration
10.	Prof.R.Govindasamy	Master of Computer Applications
11.	Mr.G.Murugesan	Librarian
12.	Mr.K.Suresh Kumar	Physical Director

The Co-ordinator is particularly indebted to Dr.S.Thayumanavan, Advisor of Dhanalakshmi Srinivasan Group of Institutions and Dr.K.V.Krishnamurthy, Former Prof. and Head, Department of Plant Science and Former Co-ordinator of NAAC and IQAC Cell of Bharathidasan University and Academic Consultant for our college for their constructive help in the preparation of this Self-Study Report.

This report consists of four parts with the following contents

1. Executive Summary-The SWOC Analysis of the Institution,
2. Profile of the Institution,
3. Criteria-wise Analytical Report,
4. Evaluative Report of the Departments.

It is fervently hoped that this report would bring out a precise but holistic account of the college and its different units.

This report is presented with a sense of fulfillment and a fond hope for a bright and prosperous future for the institution.

NAAC CO- ORDINATOR

PRINCIPAL

List Of Abbreviations

AERO	Aeronautical Engineering
AFO	Audio Frequency Oscillator
AICTE	All India Council for Technical Education
AIDS	Acquired Immuno Deficiency Syndrome
ARM	Advanced RISC Machine
ATM	Automated Teller Machine
B.Tech	Bachelor of Technology
BE	Bachelor of Engineering
BIT Campus	Bharathidasan Institute Of Technology Campus
BME	Bio Medical Engineering
BMI	Body Mass Index
Bn	Battalion
BP	Blood Pressure
BSI	British Standards Institution
BSNL	Bharat Sanchar Nigam Limited
CAD	Computer Aided Design
CAM	Computer Aided Manufacturing
CAT	Common Admission Test
CIVIL	Civil Engineering
CRT	Cathode Ray Tube
CS	Communication System
CSE	Computer Science and Engineering
CSI	Computer Society Of India
CSIR-SERC	Council Of Scientific And Industrial Research- Structural Engineering Research Centre
DA	Daily Allowances
DAQ	Data Acquisition
DDoS	Distributed Denial of Service
DDR	Double Data Rate
DELNET	Developing Library Network
DS-CDMA	Direct Sequence - Code Division Multiple Access
DVD	Digital Versatile Disc
ECE	Electronics and Communication Engineering

EDC	Entrepreneurship Development Cell
EEE	Electrical and Electronics Engineering
EST	Embedded System and Technologies
FDD	Feature-Driven Design
FDP	Faculty Development Program
FPGA	Field Programmable Gate Array
GATE	Graduate Aptitude Test in Engineering
GMAT	The Graduate Management Admission Test
GRC	Grievance Redressal Cell
GRE	Graduate Record Examinations
HDD	Hard Disk Drive
HIV	Human Immune Deficiency Virus
HOD	Head of the Department
HR	Human Resource
HRDC	Human Resource Development Cell
IAS	Indian Administrative Service
ICT	Information And Communications Technology
ICTACT	ICT Academy Of Tamil Nadu
IEEE	Institute Of Electrical And Electronics Engineers
IES	Indian Engineering Services
IIIC	Institute Industry Interface Cell
IIT	Indian Institute Of Technology
IPS	Indian Police Service
IQAC	Internal Quality Assurance Cell
IQAS	Internal Quality Assurance System
ISO	International Organization For Standardization
ISTE	Indian Society For Technical Education
IT	Information Technology
LAN	Local Area Network
LCD	Liquid Crystal Display
LED	Light Emitting Diode
MAT	Management Aptitude Test
MBA	Master of Business Administration
Mbps	Mega Bits Per Second

MCA	Master of Computer Applications
MCB	Miniature Circuit Breaker
ME	Master of Engineering
MECH	Mechanical Engineering
MODROB	Modernization And Removal Of Obsolescence
MoU	Memorandum Of Understanding
NAAC	National Assessment And Accreditation Council
NBA	National Board Of Accreditation
NCC	National Cadet Corps
NI Lab VIEW	National Instruments Lab Virtual Instrument Engineering Workbench
NIE	News In Education
NI-ELVIS II	National Instruments - Educational Laboratory Virtual Instrumentation Suite II
NIRMALS	Network Information Resources Management of Academic Library Software
NIT	National Institute Of Technology
NPTEL	National Program On Technology Enhanced Learning
NSS	National Service Scheme
OHP	Overhead Projector
OPAC	Online Public Access Catalog
OTDR	Optical Time Domain Reflectometer
PCB	Printed Circuit Board
PED	Power Electronics and Drives
PG	Post Graduate
PRCN	PRe CommisioN
RADAR	RAdio Detection And Ranging
RAM	Random Access Memory
RO	Reverse Osmosis
RRC	Red Ribbon Club
S&H	Science and Humanities
SC	Scheduled Caste
SDP	Staff Development Program
SG	Seminar Grant

SPSS	Statistical Package for the Social Sciences
SQL	Structured Query Language
ST	Scheduled Tribes
TA	Travelling Allowances
TANCA	Tamilnadu Common Admission
TCS	Tata Consultancy Services
TFT	Thin Film Transistor
TN	Tamil Nadu
TNEA	Tamilnadu Engineering Admission
TNEB	Tamil Nadu Electricity Board
TOEFL	Test Of English as a Foreign Language
TV	Television
UG	Under Graduate
UGC	University Grant Commission
UPS	Uninterruptible Power Supply
UPSC	Union Public Service Commission
Wi-Comm-T	Wireless Digital Communication System
Wi-Fi	Wireless Internet Frequency Interphase
WIPRO	Western India Palm Refined Oils
WSN	Wireless Sensor Networks
YRC	Youth Red Cross

1. Executive Summary-The SWOC Analysis of the Institution

Introduction

The Dhanalakshmi Srinivasan Engineering College, run by Dhanalakshmi Srinivasan Charitable and Educational Trust, Perambalur, was established for the promotion of engineering / technical education to the rural poor in one of the most backward districts of Tamilnadu. It was established in the year of 2001. The vision of the college is to be a world class nodal centre committed to enhance advanced learning, research and training to students that meet the national / international standards. The mission of the college is to be a premier engineering college that should be sought after by both industry and society and to offer professional education and training blended with ethical values and to provide the nation a strong human resource. Hence the college has committed itself to get accredited by NAAC.

Curricular Aspects

The college campus is located in a sprawling area of clean and green ambience and covers 1,01,171.25 m² with a built-in area of 56,350 m². The college has 11 departments offering 8 undergraduate and 8 post graduate programmes under a partially modified CBCS system. There are 334 faculty members addressing to the needs of 4028 students. Nearly 60% of students are either first generation students or from the most backward rural areas, where 42.9% of the total student population are girls. However, the fact that a good percentage of students are from other states maintains a nice balance between rural and urban students. All the academic programmes are designed with direct career relevance. Although the curriculum and syllabi are designed by the affiliating university and are required to be followed by the college, the college sends feedbacks from students and other stakeholders to the parent university which revises the curriculum / syllabi as and when required. The curriculum structure provides ample scope for theory, practical training and industry related project work. All PG programmes have project work as a compulsory component. Since the college is an affiliated one, there is no scope to make curriculum innovations, although the teachers make a lot of innovations in executing the same.

Teaching-Learning and Evaluation

The teaching – learning process is strengthened through lectures, seminars, field / industry visits, laboratory experiments, project work and guest lectures. In this process, audio – visual equipments, LCDs, smart class rooms, language labs, e-resources, e-methods and latest pedagogy are employed to

greatly improve the teaching. Student admission is based on the single window system of the government of Tamilnadu (for government quota) and the consortium of self-financing colleges (for management quota). Admission to PG programmes is done through Tamilnadu common entrance test (TANCET). At the time of admission, teaching schedule, academic calendar, evaluation details, syllabi etc are provided to the students. Faculty are encouraged to keep abreast of the latest pedagogy, methodologies and techniques/instruments in their respective subjects through well-equipped library and learning resources, seminar participation, internet browsing, e-journals, etc.

The evaluation system is another strong point. The college follows the semester system, with provisions for continuous internal assessment (CIA) for 20 % of total marks in each course. The CIA component includes tests (3 tests) and attendance. There is a provision for revaluation of CIA based on any grievance of the student. There is single valuation in UG and PG programmes, and with a provision for retotalling / revaluation and students can get a photocopy of the valued answer scripts. Thus, there is an absolute transparency, which greatly adds to the credibility of the examination system, bridge courses, enrichment courses, remedial teaching, counseling, etc for weak students, and advanced coaching especially involving e-based methods is given to academically stronger students. On the limitation side, the college does not have the power to design its own evaluation methodologies.

Research, Consultancy and Evaluation

Although a self financing college, it strives to greatly to enhance its research, consultancy and extension activities. The college has formed a research and development committee that motivates faculty /students to register for higher degrees like Ph.D, has enabled the college to organize a number of symposia/seminars/ conferences/ workshops /faculty research improvement programmes, has arranged for participation in the above, initiation of a research journal, to apply for funded projects and to publish a number of research papers. Efforts are also made to start research centers in many departments. The staff members have also undertaken a number of consultancy and extension programmes. The main problems for the college in this criterion are as follows: i) the college is a self-financing college and is not eligible to get major funding projects from leading government agencies. ii) it is not yet possible to get research centers. However, the management has taken active interest in promoting research through its own funding and incentives.

Infrastructure and Learning Resources

The college with vast area has great potential for expansion of academic activities. The college has well furnished class rooms, sophisticated state-of-the-art laboratories, spacious administrative buildings, library, e-resources, computers, lawns and a great green ambience. There are 5 hostels accommodating 2382 students. The hostels have all the needed facilities like mineral water plant, hygienic kitchen with all modern giant cooking facilities, swimming pools, gymnasium, well furnished rooms and a modern and spacious dining hall. The other campus facilities include A/C auditorium, smart class rooms, language labs, internet facilities, health center, vehicle parking sheds, waste (solid and liquid) recycling / reuse systems, garden, etc. The college also has good indoor and outdoor sports, and yoga activities. The college offers a good scope for service – oriented programmes organized by NSS, NCC, Cultural club, Youth Red Cross, Women Cell, etc., and has earned a good name for such services rendered to the rural poor of the surrounding areas.

Student Support and Progression

The student spread indicates a fair blend of rural and urban students as well as local students and students from parts other than Tamilnadu. The main source of attraction is the excellent ambience of the college, rural setup and the excellent infrastructure facilities. The admitted students are predominantly from the weaker sections of the society, from the rural environment belonging to the first - generation learners. Although a self financing institution, it enables students avail as many types of scholarship sponsored by the government as possible, besides the college itself providing financial assistance to the needy. The students are made aware of rules and regulations, academic calendar of events, faculty details, availability of the different programmes, etc. Career guidance and counseling are done by coordinators at the department level. The training and placement cell and alumni association function to their fullest potential and train students through various personality and skill development programmes. The recruitment list of students by industries is very long. Efforts are made to collect feedback from all stakeholders about the various dimensions of the college and its programmes in order to have a more effective functioning of the training and placement cell.

Governance, Leadership and Management

The college operates on a democratic and decentralized administration. A number of committees have been formed for effective governance and to develop leadership qualities among staff members. External experts, stakeholders and students form part of almost all these committees. These committees periodically

meet, discuss and submit proposals to the college management through the principal for suitable actions to be taken by the management. Most, if not all, recommendations are invariably accepted by the management. Thus, there is a wider participation of the faculty, students and various stakeholders in decision making. Related to the above is the practice of delegation of powers from authorities to these committees and such a delegation of power has led to not only a sense of involvement of faculty members but also for speed and effective administration. The management deserves to be commended not only for strengthening the effective governance and leadership but also for making stronger the resource base of the college.

Innovations and Best Practices

The college has not only initiated many healthy innovative practices but also has been practicing them rigorously. To cite a few of them: organizing personality development programmes for the students, making the campus liquor and tobacco free and fully green, News in Education [NIE] system was followed in hostel for enhancing the students' creativity, introduction of many environmental – friendly activities, etc.

1. PROFILE OF THE AFFILIATED /CONSTITUENT COLLEGE**1. Name and Address of the College:**

Name	:	Dhanalakshmi Srinivasan Engineering College
Address	:	Thuraiyur road, Perambalur – 621 212.
City	:	Perambalur
Pin	:	621 212
State	:	Tamilnadu
Website	:	www.dsengg.ac.in

2. For Communication:

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr.C.Natarajan	04328-220444	9994630696	04328-220075	principaldsec@dsgroupmail.com
Vice Principal	Prof.S.Nandha kumar	04328-220444	9865861777	04328-220075	vp.dsec@dsgroupmail.com
Steering Committee Co-ordinator	Prof.S.Nandha kumar	04328-220444	9865861777	04328-220075	vp.dsec@dsgroupmail.com

3. Status of the Institution:

Affiliated College ☒

Constituent College ☐

Any other (specify) ☐

4. Type of Institution:**a. By Gender**

- i. For Men ☐
- ii. For Women ☐
- iii. Co-education ☒

b. By Shift

- i. Regular ☒
- ii. Day ☒
- iii. Evening ☐

5. It is a recognized minority institution?

Yes

☒

No

If yes specify the minority status (Religious / Linguistic / any other) and documentary evidence, **Linguistic** Enclosed - **Annexure - 1**.

6. Sources of funding:

Government
Grant-in-aid
Self-financing
Any other

☐
☐
☒
☐
7. a. Date of establishment of the college: 02/07/2001 (dd/mm/yyyy)**b. University to which the college is affiliated:**

Anna University, Chennai.

c. Details of UGC recognition:

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks(If any)
i. 2 (f)	-	2(f) approval from UGC is awaited
ii. 12 (B)	-	-

d. Details of recognition/approval by statutory/regulatory bodies other than UGC(AICTE, NCTE, MCI, DCI, PCI,RCI,etc.)

Under Section/ clause	Recognition/Approval details Institution/ Department Programme	Day, Month and Year (dd-mm-yy)	Validity	Remarks
i.	AICTE Approval (First Time)	02-07-2001	1 Year	Every year Approval has to be renewed with AICTE
	AICTE EOA (Extension of Approval)	19-03-2013	1 Year	

(The recognition/approval letter is enclosed – **Annexure - 2**.)**8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?**

Yes

☒

No

☐

If yes, has the College applied for availing the autonomous status?

Yes

☐

No

☒

- Planning to apply for autonomy after getting the NAAC accreditation and UGC's 2(f) & 12(B) status.

9. Is the college recognized

a. by UGC as a College with Potential for Excellence (CPE)?

Yes ☐ No ☒

If yes, date of recognition: NA..... (dd/mm/yyyy)

b. for its performance by any other governmental agency?

Yes ☒ No ☐

If yes, Name of the agency Anna University, Chennai and

Date of recognition: ...5/05/2013... (dd/mm/yyyy)

Name of the agency NBA, New Delhi and

Date of recognition: 12/09/2007 (CSE& ECE) (dd/mm/yyyy)

10/07/2009 (EEE& IT) (dd/mm/yyyy)

10. Location of the campus and area in sq.mts:

Location *	Rural
Campus area in sq. mts.	101171.25 m ²
Built up area in sq. mts.	56350 m ²

(* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

❖ **Auditorium/seminar complex with**

Infrastructural facilities - ✓ 1/11

❖ **Sports facilities**

- Play ground - ✓ 6
- Swimming pool - ✓ 1
- Gymnasium - ✓ 1

❖ Hostel**• Boys' hostel -**

- i. Number of hostels : 3 (426 Rooms)
- ii. Number of inmates: 1423
- iii. Facilities - 2 Mess Halls (620 seating capacity), Free "The Hindu" News Paper delivered to each room, Modern Kitchen (Safe Cooking - Streamer), Wi-Fi Connectivity, Reprography, TV Hall, Mineral Water, Phone Booth, Rest Room, Guest Room, First Aid with Emergency Care, In-house Bakery, Exclusive Modern Gym, Computer Facility, Indoor Games, Meditation Hall, Recreation Hall, Stationery Shop, Hostel and Kitchen Waste Disposal. Also 11 wardens counsel the students.

❖ Girls' hostel

- i. Number of hostels : 2 (245 Rooms)
- ii. Number of inmates : 959
- iii. Facilities - 2 Mess Halls (1350 seating capacity), Free "The Hindu" News Paper delivered to each room, Modern Kitchen (Safe Cooking, Streamer & Rice Oven – More than 100 kg within half an hour, Confectionary Item, Automatic Dosa Maker, Chappati Maker), Swimming Pool, Solar System, Wi-Fi Connectivity, Reprography, Computer Facility, Mineral Water, In-house Cafeteria, TV Hall, Phone Booth, First Aid with Emergency Care, In-house Bakery, Rest Room, Guest Room, In-house Temple, Exclusive ATM, Indoor Games, Meditation Hall, Recreation Hall, Stationery Shop, Hostel and Kitchen Waste Disposal. Also 8 wardens counsel the students.

❖ Working women's hostel

It is existed in the Girls' Hostel.

- i. Number of inmates 33
- ii. Facilities - Swimming Pool, Solar System, Wi-Fi Connectivity, Reprography, Mineral Water, In-house Cafeteria, TV Hall, Phone Booth, First Aid with Emergency Care, In-house Bakery, Rest Room, Guest Room, In-house Temple, Exclusive ATM and Hostel Waste Disposal.

❖ **Residential facilities for teaching and non-teaching staff (give numbers available — cadre wise)**

- Rented houses provided for PRINCIPAL and ADVISOR with all expenses paid by the management.
- Rented residential buildings provided for 10 Teaching faculties and 5 Non-teaching staffs.

❖ **Cafeteria** ☒ -2

❖ **Health Centre** ☒ - 1

Regular Doctor Visit, First aid, Inpatient, Emergency care facility, Ambulance, Battery car and Life Saving Medicines are available in peak and off peak hours also.

Health Centre Staff –

Qualified Doctor(1)	Full time	☐	Part-time	☒
Qualified Nurse(1)	Full time	☒	Part-time	☐

Apart from this, Dhanalakshmi Srinivasan Nursing College, Srinivasan Nursing College and Dhanalakshmi Srinivasan Medical College and Hospital provide support in this regard.

❖ **Banking Facility** - ✓
○ [Exclusive Banking facility and 4 ATM centers]

❖ **Book Shop Facility** - ✓

❖ **Postal Facility** - ✓
○ [Delivery and Order-Taking by Professional and First Flight]

❖ **Courier services regularly** - ✓

❖ **Transport Facilities to cater to the needs of Students and Staff** - ✓
○ [33 Buses plying over 17 Routes are utilized by both Staff and Students. Also free transport provided for 5% of students.]

❖ **Animal House Facility** - ✗

❖ **Biological waste disposal** - ✓
○ [Waste separation at source]

❖ **Generator or other facility for management/ regulation of electricity and voltage** - ✓
○ [Separate Panel Board for each block]

❖ **Solid waste management** - ✓

❖ **Waste water management** - ✓

❖ **Water harvesting** - ✓

12. Details of programmes offered by the college (Give data for current academic year)

Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of Instruction	Sanctioned / Approved Student Strength	No. of Students Admitted
Under-Graduate	Aeronautical Engineering	4 Yrs	HSC	English	60	24
	Biomedical Engineering	4 Yrs	HSC	English	120	119
	Civil Engineering	4 Yrs	HSC	English	120	118
	Computer Science and Engineering	4 Yrs	HSC	English	120	71
	Electrical and Electronics Engineering	4 Yrs	HSC	English	120	69
	Electronics and Communication Engineering	4 Yrs	HSC	English	180	116
	Information Technology	4 Yrs	HSC	English	60	39
	Mechanical Engineering	4 Yrs	HSC	English	180	179
Post-Graduate	Master of Computer Applications	3 Yrs	Any UG degree / B.E / B.Tech / M.Sc	English	120	31
	Master of Business Administration	2 Yrs	Any UG degree / B.E / B.Tech	English	120	83
	M.E Communication System	2 Yrs	B.E / B.Tech	English	36	36
	M.E. Computer Science and Engineering	2 Yrs		English	36	32
	M.E.CAD/ CAM	2 Yrs		English	18	10
	M.E.Power Electronics and Drives	2 Yrs		English	18	14

Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of Instruction	Sanctioned / Approved Student Strength	No. of Students Admitted
	M.E Computer Science and Engg. (With Specialization in Networks)	2 Yrs		English	18	7
	M.E. Embedded System Technologies	2 Yrs		English	18	17
Integrated Programmes PG	-	-	-	-	-	-
Ph.D.	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-
Ph.D	-	-	-	-	-	-
Certificate courses	-	-	-	-	-	-
UG Diploma	-	-	-	-	-	-
PG Diploma	-	-	-	-	-	-
Any Other (specify and provide details)	-	-	-	-	-	-

13. Does the college offer self-financed Programmes?

Yes ☒

No ☐

If yes, how many?

* - Approved by Parent University.

14. New programmes introduced in the college during the last five years if any?

Yes	✓	No		Number	4*

* - Approved by Parent University.

15. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
Science	-	-	-	-
Arts	-	-	-	-
Commerce	-	-	-	-
Any Other (Specify)	-	-	-	-

16. Number of Programmes offered under (Programme means a degree course like BA, BSc, MA, M.Com...)

a. Annual System	
b. Semester System (B.E, B.Tech, M.E, MBA, MCA)	5
c. Trimester System	

17. Number of Programmes with

a. Choice Based Credit System*	✓ (16)
b. Inter/Multidisciplinary Approach	
c. Any other (specify and provide details)	

* - Although not a strictly CBCS

18. Does the college offer UG and/or PG programmes in Teacher Education?

Yes ☐ No ☒

If yes,

a. Year of Introduction of the programme(s).....NA..... (dd/mm/yyyy)
and number of batches that completed the programme

b. NCTE recognition details (if applicable)

NAAC

Profile of the Affiliated College

Notification No.: NA.....
 Date: NA..... (dd/mm/yyyy)
 Validity:.....NA.....

c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately?

Yes ☐ No ☒

19. Does the college offer UG or PG programme in Physical Education?

If yes, Yes ☐ No ☒

a. Year of Introduction of the programme(s) NA (dd/mm/yyyy)
 and number of batches that completed the programme

b. NCTE recognition details (if applicable)
 Notification No.: NA.....
 Date: NA..... (dd/mm/yyyy)
 Validity:.....NA.....

c. Is the institution opting for assessment and accreditation of Physical Education Programme separately?

Yes ☐ No ☐

20. Number of teaching and non-teaching positions in the Institution

Institution										
Positions	Teaching Faculty						Non-Teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor					
	*M	*F	*M	*F	*M	*F	*M	*F	*M	*F
Sanctioned by the UGC/ University/ State Government Recruited	-	-	-	-	-	-	-	-	-	-

Yet to recruit	-	-	-	-	-	-	-	-	-	-
Positions	Teaching Faculty						Non-Teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor		*M	*F	*M	*F
	*M	*F	*M	*F	*M	*F				
Sanctioned by the Management / society or other authorized bodies <i>Recruited</i>	28	2	42	21	135	106	19	09	79	12
<i>Yet to recruit</i>	-	-	-	-	-	-	-	-	-	-

*M-Male *F-Female

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Mal	Female	
Permanent Teachers							
Ph.D.	12	-	-	-	-	-	12
M.Phil.	2	-	6	5	24	18	55
PG	13	2	34	15	75	72	211
UG	-	-	-	-	13	7	20
Temporary Teachers*							
Ph.D.	1	-	-	-	-	-	1
M.Phil.	-	-	1	1	5	4	11
PG	-	-	1	-	8	5	14
UG	-	-	-	-	10	-	10
Part-time teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

* Teachers on six months probation period are treated here as temporary.

22. Number of Visiting Faculty /Guest Faculty engaged with the college

59

23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	2010-11		2011-12		2012-13		2013-14	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	50	36	62	37	71	63	94	70
ST	1	1	3	0	5	1	4	3
OBC	338	228	465	348	458	449	330	317
General	119	48	78	37	81	56	110	37
Others	0	0	0	0	0	0	0	0

24. Details on students enrollment in the college during the current academic year:

Type of students	UG	PG	M. Phil.	Ph.D	Total
Students from the same state where the college is located	612	216	-	-	828
Students from other states of India	123	14	-	-	137
NRI students	-	-	-	-	-
Foreign students	-	-	-	-	-
Total	735	230	-	-	965

25. Dropout rate in UG and PG (average of the last two batches)

UG

2.26 %

PG

3.33 %

26. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) including the salary component

Rs.41921.29

(b) excluding the salary component

Rs. 11639

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes

☐

No

☒

NAAC

Profile of the Affiliated College

If yes,

a) Is it a registered centre for offering distance education programmes of another University?

Yes ☐

No ☐

b) Name of the University which has granted such registration.

c) Number of programmes offered

d) Programmes carry the recognition of the Distance Education Council.

Yes ☐

No ☐

28. Provide Teacher-student ratio for each of the programme/ course offered – 1:15 (UG) / 1:12 (PG)

29. Is the college applying for

Accreditation : Cycle 1 ☒ Cycle 2 ☐ Cycle 3 ☐ Cycle 4 ☐

Re-Assessment : ☒

(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re- accreditation)

30. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only) NA

Cycle1:.....(dd/mm/yyyy) Accreditation

Outcome/Result..... Cycle2:.....(dd/mm/yyyy)

Accreditation Outcome/Result.....

Cycle3:.....(dd/mm/yyyy) Accreditation

Outcome/Result.....

* Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.

31. Number of working days during the last academic year.

32. Number of teaching days during the last academic year

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*(Teaching days means days on which lectures were engaged
excluding the examination days)*

33. Date of establishment of Internal Quality Assurance Cell

(IQAC) IQAC 14.03.2014..... (dd/mm/yyyy)

34. Details regarding submission of Annual Quality Assurance Reports

(AQAR) to NAAC.

AQAR (i) ...NA..... (dd/mm/yyyy)

AQAR (ii) ...NA..... (dd/mm/yyyy)

AQAR (iii) ...NA..... (dd/mm/yyyy)

AQAR (iv) ...NA..... (dd/mm/yyyy)

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information)

NIL

2. Criteria-wise Analytical Report

Criterion I: Curricular Aspects

1.1 Curriculum planning and Implementation:

1.1.1 State the Vision, Mission and Objectives of the Institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

Vision

To be a World class nodal centre committed to enhance advanced Learning, research and training to serve the nation, meeting the national /international standards.

Mission

To be a premier Engineering College, much sought after by the industries and society by offering professional education and training blended with ethical values to convert student resources into strong assets of our nation.

Quality Policy

Committed to achieve recognition as “Institution of Excellence” by consistently providing quality education in the fields of Engineering, Technology and Management with professionalism and global outlook ensuring continual improvement.

Objectives

- ❖ To provide very high standard of technical knowledge and continual improvement in all fields of engineering through quality education.
- ❖ To provide a high quality education in various disciplines of engineering programmes by conducting effective learning sessions and co-curricular activities like technical seminars, workshops, symposia, conferences and industrial visit.
- ❖ To encourage the students to face the technical scenario with excellent technical skills obtained through contextual analysis, critical thinking, quantitative reasoning and acquiring information through various e-learning processes.
- ❖ To motivate students with good moral support by conducting various counseling events to strengthen their technical aspects and gain more knowledge.
- ❖ To prepare students to adapt successfully to the new changing technologies and apply those skills in a new perspective way to meet out

the demands of society, obtained through academic programmes, student support, communication and collaboration with the industries.

- ❖ To ensure that every student is aware of the role and responsibilities of a professional engineer in society through appropriate ethical exposure to equity, public & worker safety and health considerations, together with the concepts of sustainable development and environmental stewardship.
- ❖ To develop life-long learning skills that allow them to be adaptive and responsive to changes in society, technology and the environment, as well as career demands.
- ❖ To provide an accredited dynamic scholarly environment wherein students learn to develop communications and leadership abilities to emerge as a complete professional.

Communication to the different stakeholders

- ❖ Vision, mission and quality policy are printed and displayed in the college at prominent places like library, seminar hall, classrooms and office where teachers and students gather frequently.
- ❖ The vision and mission of the Institution is conveyed through website, prospectus, magazines, newspapers, advertisement promo videos, record notebooks and handbooks.

1.1.2 How does the Institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

Development Action Plan

- ❖ The curriculum / syllabi are provided to the students and faculty as a printed handbook.
- ❖ Course plan is prepared according to the college calendar for each semester.
- ❖ Prior to the commencement of classes, individual lesson and laboratory plans are prepared for each subject.
- ❖ Lecture notes are also prepared in advance and senior faculty contribute by rendering advice to the junior faculty about the notes, problems etc.
- ❖ Course coordinator conducts meeting with faculty handling the subject to deliberate the mode of teaching and to fix the portions for each continuous assessment test.
- ❖ Laboratory manuals are prepared and are distributed to the students.

Action Plan

The Institution takes effective measures to implement the curriculum suggested by the university through following actions.

- ❖ Effective implementation of curriculum is periodically reviewed through departmental meetings in the presence of Principal.

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- ❖ Based on the curriculum various assessment examinations like slip tests, cycle tests and model exam are regularly conducted as per the schedule. Proper evaluation review of the results is carried out by the respective faculty in charge and department co-coordinator along with the student counselor.
- ❖ Progress of the students is regularly informed to their parents, who can contribute in the improvement of the student. The parents are encouraged to meet the HOD, faculty and student counselor to have on the spot assessment of the student.
- ❖ The Principal / HOD directly gets feedback from the students through class committee meetings on the progress in individual subjects and takes immediate action by instructing the staff concerned to improve.
- ❖ Practical lab session is conducted synchronously with the theory. Thus at the end of the semester, the students get theoretical knowledge blended with practical application.
- ❖ Smart classrooms are provided to implement the curriculum effectively.
- ❖ Students are given opportunity to exhibit their skills and leadership qualities in arranging national /international conferences, seminars, workshops, symposia and other extracurricular activities.
- ❖ The communication skills of the students are incorporated through various programmes like aptitude session, critical thinking, group discussion and interviews.

1.1.3 What type of support (procedural and practical) do the teachers receive (from the university and/or Institution) for effectively translating the curriculum and improving teaching practices?

Faculty is sponsored to participate the Faculty Development Programmes (FDP) along with technical seminars, workshops & symposia and get updated in emerging trends.

- ❖ Junior faculty is encouraged to present seminars in front of the senior faculty of the college to overcome the difficulties in lecture session and to improve the teaching skills.
- ❖ LCD projector, Over Head Projector (OHP) and smart class rooms are provided to the faculty to deliver effective lectures with practical examples and applications through pictures and technical videos (NPTEL and Online Lectures).
- ❖ Faculty members are motivated to learn new teaching tools for upgrading the students' practical overview by means of animated explanation for appliance involved in subjects.
- ❖ Internal Quality Assurance Cell (IQAC) has been formed to improve the quality of staff members in their teaching and technical knowledge in

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accordance with the changing scenario and industrial needs of engineering students.

- ❖ Faculty is provided with the accessibility of e-journals, text books, reference books, IEEE publications and other technical magazines from the library.

1.1.4 Specify the initiatives taken up or contribution made by the Institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

- ❖ Laboratory facilities are developed as per Anna university norms and additional equipments are made available to do additional experiments for a thorough understanding of the subject.
- ❖ Remedial classes are conducted to make slow learners to understand the subject and catch up with the fellow students.
- ❖ The laboratories are kept open till extended periods, to make the students to do project related experiments.
- ❖ Emerging technologies are imprinted on students through guest lectures.
- ❖ LCD projector and OHP are available for effective delivery of lectures.
- ❖ Additional topics are covered by the faculty apart from the curriculum which fulfills the industry requirements.
- ❖ Value added courses are arranged.
- ❖ Separate book bank is available for SC/ST and economically weaker students.
- ❖ Wi-Fi connections are available throughout the campus including hostel for easy surfing of subject related seminars, conference and other technical notes.
- ❖ Uninterrupted power supply is ensured through TNEB or generator during college working hours.
- ❖ Required committees are formed to perform all the above activities to create a better ambience and learning environment for the students.

1.1.5 How does the Institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalisation of the curriculum?

Industry and research bodies

- ❖ Institute-Industry Interface Cell (IIIC) reviews the educational objectives to fulfill the requirements of the industrial needs and for better placement.
- ❖ Motivate the students to participate in industry orientated workshops, symposia, conferences and seminars to gain knowledge apart from the curriculum.
- ❖ The MOUs help the student to do industry related projects.

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- ❖ Industry visits are undertaken by staff and students.
- ❖ Experts from various industries are invited for guest lectures.
- ❖ Alumni are often consulted for teaching/research.
- ❖ Experts from industries are included as members of some of the committees of the college.

University

- ❖ Educational objectives are framed by the department based on Anna university curriculum. Various steps are taken to achieve these objectives by constant monitoring of students right from entry till their completion of the courses.
- ❖ Faculty from various colleges is invited as guest lectures / seminars.
- ❖ Feedback from various stakeholders like students, parents, industry and research and development are consolidated by Academic Affair Committee and sent to the various boards of studies of the affiliating university for effective improvement in curriculum.

1.1.6 What are the contributions of the Institution and/or its staff members to the development of the curriculum by the university? (Number of staff members/departments represented on the board of studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.

- ❖ The college has Academic Affairs Committee to get the feedback from the students, faculty and other stake holders regarding curriculum/syllabi of the affiliating university.
- ❖ The feedback is reviewed by the Academic Affairs Committee and sent to Anna university, Chennai for consideration and inclusion in the curriculum during its next revision.

The following have served as members of the board of studies in the past.

S. No	Name of the Faculty with Designation	Contribution	Period
1.	Dr.S.Thayumanavan Advisor, Dhanalakshmi Srinivasan Engineering College.	Member of the board of studies, Bombay	1972-1979
		Member of the board of studies, Goa	1978-1990
		Member of the board of studies, Periyar maniammai university, Thanjavur.	1992-2003
		Member of the board of studies, Anna university, Chennai	2000-2013
		Member of the board of studies, Anna university, Trichy	2006-2010

S. No	Name of the Faculty with Designation	Contribution	Period
2.	Dr.G.Vadivalagan (Former) Head, Department of MBA, Dhanalakshmi Srinivasan Engineering College.	Member of the board of studies, Anna university, Trichy	2010
3.	Prof.C.Narayanan Professor & Head, Department of Biomedical Engineering.	Member of the board of studies, Anna university, Trichy	2010

1.1.7 Does the Institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If yes, give details on the process (needs assessment, design, development and planning) and the courses for which the curriculum has been developed.

No. In order to meet the industry needs, the Institution has planned to provide additional certificate courses, in future.

1.1.8 How does Institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

Institution objectives are achieved through effective planning of teaching and laboratory sessions and through various kinds of other assessments.

- ❖ The students' understanding towards the subject is reviewed based on slip tests, cycle tests, model exam, tutorial class and end semester examination.
- ❖ The outcomes of the examination are analyzed through Academic Affairs Committee periodically and strategic plans are implemented to improve the results.
- ❖ The outcomes of the curriculum are reviewed. If any deviation occurs from the objective, remedial action plan and strategies are devised to bridge the gap.

1.2 Academic Flexibility

1.2.1 Specifying the goals and objectives, give details of the certificate/diploma/ skill development courses etc., offered by the Institution. Goals and objectives of additional courses

The main objective of additional courses is to encourage the students to enrich the knowledge and soft skill communication to meet out their future needs.

Skill development courses:

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- ❖ CFD
 - ❖ Mimics Tool
 - ❖ .NET
 - ❖ J2EE
 - ❖ Hardware & Networking
 - ❖ CAD Course
 - ❖ Embedded Systems
- ❖ LABVIEW
 - ❖ VLSI
 - ❖ PCB DESIGN
 - ❖ PLC&SCADA
 - ❖ ProE
 - ❖ SAP
 - ❖ Advanced Java Programming

1.2.2 Does the Institution offer programmes that facilitate twinning /dual degree? If “yes”, give details.

As the college is affiliated to Anna university Chennai, there is no provision for dual degree programmes in the Anna university regulations.

1.2.3 Give details on the various Institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:

The Institution provides academic flexibility to the students by providing industrial / research oriented projects in collaboration with research and development departments of core companies and thereby encouraging interdisciplinary work within the range of curriculum designed by the affiliating university.

Core option:

- ❖ Registration for all the core subjects is mandatory apart from the electives as per the Anna university curriculum.
- ❖ Guest lectures are given by eminent persons from industries and research organization.
- ❖ Mini projects.
- ❖ Final year projects are related to industrial requirements.
- ❖ Coverage of topics apart from the syllabi.
- ❖ Additional lecture hours for Mathematical oriented subjects.

Elective option:

The Under graduate and Post graduate students can choose electives offered by the curriculum which are mentioned (department wise) below.

Under graduate:

Sem	Electives offered by the curriculum	Electives opted by our college students
CIVIL ENGINEERING		
06	CE2021 Hydrology, CE2022 Cartography	CE2021 Hydrology

Sem	Electives offered by the curriculum	Electives opted by our college students
	CE2023 Electronic Surveying CE2024 Remote Sensing Techniques and GIS CE2025 Architecture GE2022 Total Quality Management GE2023 Fundamentals of Nanoscience GE2025 Professional Ethics in Engineering GE2071 Intellectual Property Rights (IPR) GE2072 Indian Constitution and Society	GE2022 Total Quality Management
ELECTRONICS AND COMMUNICATION ENGINEERING		
06	EC2021 Medical Electronics EC2022 Operating Systems EC2023 Solid State Electronic Devices IT2064 Speech Processing MA2264 Numerical Methods CS2021 Multicore Programming	EC2021 Medical Electronics
ELECTRICAL AND ELECTRONICS ENGINEERING		
07	EE2026 Power system Dynamics CS2071 Computer Architecture GE2022 Total Quality Management EI2311 Biomedical Instrumentation EE2025 Intelligent control	EI2311 Biomedical Instrumentation
INFORMATION TECHNOLOGY		
07	IT6003 Multimedia Compression Techniques IT6004 Software Testing IT6005 Digital Image Processing IT6006 Data Analytics CS6003 Ad hoc and Sensor Networks	IT6004 Software testing
COMPUTER SCIENCE AND ENGINEERING		
07	CS1002 Digital Image Processing CS1001 Parallel Computing CS1003 Component Based Technology CS1004 Natural Language Processing CS1005 UNIX Internals CS1011 Data Warehousing and Mining	CS1005 UNIX Internals

Sem	Electives offered by the curriculum	Electives opted by our college students
	CS1006 Open Source Software CS1007 Wireless Network Systems EC1018 High Performance Microprocessors CS1008 Advanced Java Programming CS1009 Advanced Databases CS1010 Advanced Operating Systems EC1316 Embedded Systems	CS1011 Data Warehousing and Mining
BIOMEDICAL ENGINEERING		
08	BM1004 Biofluids and Dynamics BM1005 Tele-Health Technology BM1006 Assist Devices EC1023 VLSI Design CS1035 Computer Networks BM1007 Rapid Prototyping GE1301 Professional Ethics and Human values BM1008 Nano Electronics CS1036 Data Structures	BM1006 Assist Devices BM1008 Nano Electronics
MECHANICAL ENGINEERING		
06	MG2021 Marketing Management ME2021 Quality Control & Reliability Engineering ME2022 Refrigeration & Air Conditioning ME2023 Renewable Source of Energy ME2024 Industrial Tribology ME2025 Vibration & Noise Control ME 2026 Unconventional Machining Process	ME 2026 Unconventional Machining process
AERONAUTICAL ENGINEERING		
07	AE 2025 Helicopter Theory AE 2029 Theory of Plates and Shells AE2023 Fatigue and Fracture	AE2023 Fatigue and Fracture

Post graduate Students:

Sem	Electives offered by the curriculum	Electives opted by our college students
ME COMPUTER SCIENCE AND ENGINEERING		
01	NE7002 Mobile and Pervasive Computing CP7005 Randomized Algorithms CP7006 Parallel Programming Paradigms CP7007 Software Requirements Engineering CP7008 Speech Processing and Synthesis CP7009 Machine Learning Techniques	NE7002 Mobile and Pervasive Computing
ME COMMUNICATION SYSTEMS		
01	AP7103 Advanced Microprocessor and Microcontroller VL7001 Analog and Mixed mode VLSI Design CU7001 Real Time Embedded Systems CU7002 MEMS and NEMS AP7202 ASIC and FPGA design	AP7103 Advanced Microprocessor and Microcontroller
ME EMBEDDED SYSTEM TECHNOLOGIES		
01	ET7001 Digital Instrumentation ET7002 Real Time Operating Systems AP7001 Computer Architecture and Parallel Processing	ET7001 Digital Instrumentation
ME POWER ELECTRONICS AND DRIVES		
01	CL7103 System Theory ET7102 Micro Controlled based System Design PX7001 Electromagnetic Field Computation and Modeling	PX7001 Electromagnetic Field Computation and Modeling
ME COMPUTER SCIENCE AND ENGINEERING (with specialization in Computer Networks)		
01	MU7102 Multimedia Communication Networks NE7001 Sensing Techniques and Sensors NE7002 Mobile and Pervasive Computing NE7003 Web Engineering NE7004 Network protocols	NE7002 Mobile and Pervasive Computing

Sem	Electives offered by the curriculum	Electives opted by our college students
ME CAD/CAM		
01	CC7001 Computer Control in Process Planning ED7001 Optimization Techniques in Design ED 7101 Advanced Mechanics of Materials ED7005 Design of Material Handling Equipments	CC7001 Computer Control in Process Planning
MASTER OF BUSINESS ADMINISTRATION		
01	BA7011 Brand Management BA7012 Retail Management BA7013 Service Marketing BA7014 Integrated Marketed Communication BA7015 Customer Relation Management BA7016 Rural Marketing	BA7012 Retail Management BA7013 Service Marketing BA7016 Rural Marketing
MASTER OF COMPUTER APPLICATIONS		
06	MA9227 Numerical and Statistical Methods MC9271 Electronic Commerce MC9272 Information Systems MC9273 Web Graphics MC9274 Human Resource Management	MC9274 Human Resource Management

Choice based credit system and range of subject options

The range of subject option and choice based credit system are limited as per Anna university curriculum.

Courses offered in modular form

All courses are offered in modular form i.e., in five units or modules.

Credit transfer and accumulation facility

There is no scope for credit transfer and accumulation facility as per the Anna university regulations.

Lateral and vertical mobility within and cross programme courses

As per the Anna university regulations, there is no scope for lateral and vertical mobility within and cross programme courses.

Enrichment Courses

Human Resource Development Cell (HRDC) offers aptitude and reasoning classes for the students' to perform well in placement aptitude test and interviews. The following courses are conducted by the HRDC in addition.

Academic Year 2011 -2012

S. No	Date / Period	No. of Days	Training Details	Training Agency	No. of Students	Batch Details
1	22.08.11 - 25.08.11	4	Aptitude Training- Numerical Ability	A Cube Training Consultants	520	Final B.E / B.Tech & MCA
2	26.08.11 29.08.11 30.08.11	3	Aptitude Training - Verbal Ability	A Cube Training Consultants	520	Final B.E / B.Tech & MCA
3	5.09.11 - 7.09.11	3	Verbal Reasoning & Interview Techniques	A Cube Training Consultants	520	Final B.E / B.Tech & MCA
4	20.04.12	1	One Day Workshop On Entrepreneurial Development Programme	MR. S. Fazal Ali General Manager- District Industrial Centre	190	2nd Year
5	19.03.12	1	Orientation Programme	Mr. P.Mohan Shriram Value Services	819	1st Year
6	20.1.12 21.1.12	2	Soft Skills & Aptitude Training (Arrange by Anna Univ, Chennai)	Transtaff Solutions Chennai	216	Final B.E / B.Tech
7	16.07.11 17.07.11	2	Aptitude Training	A Cube Training Consultants	550	Pre Final B.E/B.Tech /MCA
8	30.07.11 31.07.11	2	Aptitude Training	A Cube Training Consultants	550	Pre Final B.E/B.Tech /MCA

S. No	Date / Period	No. of Days	Training Details	Training Agency	No. of Students	Batch Details
9	13.08.11 14.08.11	2	Aptitude Training	A Cube Training Consultants	550	Pre Final B.E/B.Tech /MCA
10	26.08.11 27.08.11	2	Aptitude Training	A Cube Training Consultants	550	Pre Final B.E/B.Tech /MCA
11	13.08.11	1	Motivational Training	Mr.Antony Valen HRDC	520	Final B.E / B.Tech & MCA
12	3.09.11	1	Personality Development	Mr. Manickam David (Trainer)	520	Final B.E / B.Tech & MCA
13	24.09.11 25.09.11	2	Mock Interviews	A Cube Training Consultants	520	Final B.E / B.Tech & MCA

Academic Year 2012 -2013

S. No	Date / Period	No. of Days	Training Details	Training Agency	No. of Students	Batch Details
1	18.8.12	1	Quantitative Aptitude	Asset	635	Pre Final Year Except Mechanical
2	23.08.12 24.08.12	1	Quantitative Aptitude	Asset	739	All Depts
3	06.09.12 13.09.12, 20.09.12 04.10.12	4	Quantitative Aptitude	Asset	432	ECE,CSE,CIVIL, IT& EEE
4	07.09.12 14.09.12 21.09.12 05.10.12	4	Quantitative Aptitude	Asset	307	AERO,BM E,MECH & MCA
5	13.12.12 21.12.12 10.01.13 07.02.13	4	Quantitative Aptitude & Verbal Ability	Asset	432	ECE,CSE,CIVIL,IT& EEE

S. No	Date / Period	No. of Days	Training Details	Training Agency	No. of Students	Batch Details
6	14.12.12 22.12.12 11.01.13 08.02.13	4	Quantitative Aptitude & Verbal Ability	Asset	307	AERO,BM E,MECH & MCA
7	10.01.13 17.01.13 15.02.13 07.03.13	4	Soft Skills - Basic to Intermediate	SMART	358	II Year - AERO,BM E& CIVIL, CSE, MECH
8	11.01.13 18.01.13 14.02.13 06.01.13 08.03.13	5	Soft Skills - Basic to Intermediate	SMART	565	II Year - CSEB,ECE, EEE,IT, CIVIL B, MECH A
9	17.07.13 19.07.13 24.07.13 26.07.13	4	Soft Skills - Personality Development	SMART	358	II nd Year - AERO, BME& CIVIL A, CSE A ,MECH B
10	18.07.13 23.07.13 25.07.13	3	Soft Skills - Personality Development	SMART	565	II Year - CSE B,ECE, EEE,IT, CIVIL B, MECH A
11	04.06.12 08.06.12	2	Shortcut Methods in Aptitude	Mr.Thanikac halem Awake IAS & IPS Coaching Centre	83	Final EEE & MCA
12	06.08.12 - 08.08.12 13.08.12 14.08.12	5	Aptitude Training - Quantitative Vol I	Transtaff	434	Mix up with all Dept except EEE & MCA

S. No	Date / Period	No. of Days	Training Details	Training Agency	No. of Students	Batch Details
13	06.08.12 - 08.08.12 13.08.12 14.08.12	5	Aptitude Training - Quantitative Vol II	Transtaff	83	EEE & MCA
14	16.08.12 -18.08.12 23.08.12	5	Aptitude Training - Quantitative Vol III	Transtaff	434	Mix up with all Dept except EEE & MCA
15	16.08.12 17.08.12	2	Personality Development	Transtaff	83	EEE & MCA
16	12.09.12	1	Career Development Programme	Dr. Alex Reader In Commerce St. Joseph's College Trichy	790	1st Year U.G Students
17	20.02.13	1	Entrepreneuership Development Programme	Dr. T.A. Venkatachalam Dean- MBA Karpagam College Of Engineering	119	2 nd Year Students
18	14.07.12 15.07.12	2	Personality Development	Vibrant	517	Final B.E / B.Tech & MCA
19	25.08.12 26.08.12	2	Mock Interviews	Asset	517	Final B.E / B.Tech & MCA
20	8.09.12 9.09.12	2	Company Specific Training for TCS	SMART	517	Final B.E / B.Tech & MCA
21	12.01.13 13.01.13	2	Company Specific Training for Petrofac	SMART	114	Final B.E / B.Tech (Mech & EEE)

Academic Year 2013 -2014

S. No	Date / Period	No. of Days	Training Details	Training Agency	No. of Students	Batch Details
1	03.10.13 - 09.10.13	6	Aptitude Training	SMART	528	Final B.E / B.Tech & MCA
2	12.10.13 13.10.13	2	Aptitude Training & TCS Questions Discussion	SMART	436	Final B.E / B.Tech (except Civil & BME) & MCA
3	30.08.13 31.08.13	1	Aptitude -Verbal Ability	ASSET	685	Pre Final Years - All Departments
4	06.09.13 04.10.13 11.10.13	3	Aptitude - Quantitative Aptitude Vol I	ASSET	319	AERO, CIVIL, ECE, MECH
5	05.10.13 12.10.13	2	Aptitude - Data Interpretation	ASSET	386	BME, CSE, EEE, IT & MCA
6	08.01.14 24.01.14 01.02.14 15.02.14 01.03.14 07.03.14	6	Aptitude - Verbal Ability	ASSET	319	AERO, CIVIL, ECE, MECH
7	09.01.14 24.01.14 31.01.14	3	Aptitude - Quantitative Aptitude Vol II	ASSET	386	BME, CSE, EEE, IT & MCA
8	14.02.14 28.02.14 06.03.14 14.03.14	4	Aptitude - Quantitative Aptitude Vol II	ASSET	386	BME, CSE, EEE, IT & MCA
9	13.09.13 05.10.13	2	Soft Skills - Communication & Goal Setting	Keyminds	876	2nd Year - All U.G Departments

S. No	Date / Period	No. of Days	Training Details	Training Agency	No. of Students	Batch Details
10	23.01.14 24.01.14 31.01.14	3	Soft Skills - Listening Skills, Presentation Skills & Dreams	Keyminds	876	2nd Year - All U.G Departments
11	01.02.14 14.02.14 15.02.14 28.02.14 01.03.14	5	Soft Skills - Sociometry, Writing Skills & Negotiation Skills	Keyminds	876	2nd Year - All U.G Departments
12	26.12.13 - 31.20.13	5	Technical Training (Basics of C,OOPS , Data Structures)	SMART/ Asset	528	Final B.E / B.Tech & MCA
13	5.10.13 6.10.13	2	Personality Development	Keymind	528	Final B.E / B.Tech & MCA
14	12.10.13 13.10.13	2	Mock Interviews	Ethnus	528	Final B.E / B.Tech & MCA
15	4.01.14 5.01.14	2	Company Specific Technical Discussion for Petrofac	Dr.C.Nataraj an (Principal) & Mr. Sivamurugan (HOD-Mech)	98	Final B.E / B.Tech (Mech & EEE)
16	11.01.14 12.01.14	2	Company Specific Technical Discussion for L&T	Mrs.Revathy (AP-IT) & Mr. Gokul (AP-CSE)	436	Final B.E / B.Tech (except Civil & BME) & MCA

Table 1.4 Academic Placement Training Schedule

1.2.4 Does the Institution offer self-financed programmes? If “yes” list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

All core programmes required by the affiliating university are conducted on a self-financing mode as it is a self-financing college.

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If “yes” provide details of such programme and the beneficiaries.

Yes; the details of courses are already provided in 1.2.3

- ❖ Human Resource Development Cell conducts personality development programmes to the students’.
- ❖ The Institute also invites guest speakers from the industry/company to deliver lectures on recent employment opportunities and how to prepare for interviews.
- ❖ Special training classes are conducted for the rural students to improve the knowledge in both technical and communication skills.
- ❖ Competitive Exams like GATE, NET, TOEFL, GRE, CAT, MAT, etc extra coaching are provided to the students during weekend to motivate the students. The outcome of the exam helps the students to get dream placement in Government and global sectors.
- ❖ Additional skill development courses help the students to develop their skills in business, entrepreneurship and other technical aspects.

1.2.6 Does the university provide for the flexibility of combining the conventional face-to-face and distance mode of education for students to choose the courses/combination of their choice? If “yes”, how does the Institution take advantage of such provision for the benefit of students?

As per the curriculum of Anna university, there is no provision of combining conventional face-to-face and distance mode of education for the students.

1.3 Curriculum enrichment

1.3.1 Describe the efforts made by the Institution to supplement the university’s curriculum to ensure that the academic programmes and Institution’s goals and objectives are integrated?

The enrichment of the curriculum is implemented through in-plant training, industrial visits, seminars, conferences and workshops.

- ❖ Students are motivated to attend the in-plant training during the vacation to enhance the technical knowledge and practical exposure.
- ❖ Industrial visits are organized by the Institution for the students to have an insight into the ongoing process in industry.
- ❖ National and international seminars are organized on recent technology.
- ❖ Institute-Industry Interface Cell (IIIC) has been formed to enhance the process of supplementing university curriculum and other academic processes.

1.3.2 What is the effort made by the Institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope up with the needs of the dynamic employment market?

- ❖ Faculty expertise is enriched and the syllabus content is supplemented with additional inputs towards improving the employment opportunities of students.
- ❖ The HRDC regularly interacts with reputed companies about their expectations and demands. Accordingly the students' skills are enriched through add-on courses and enrichment courses.
- ❖ To develop the required skills among students, brainstorm sessions are held through experts from research Institution and industries.
- ❖ Under the guidance of various committees, special training and tailor-made orientations are conducted to enable the students to achieve global standards.
- ❖ The curriculum itself includes the professional courses like Total Quality Management, Principle of Management, Environmental Science and Professional Ethics to reform the student into a better professional.
- ❖ The communication and presentation skills of students are improved through the language lab.

Entrepreneurship Development Cell (EDC)

- ❖ Entrepreneurship Development Cell (EDC) provides the basic information about the changing business scenario and encourages the students to be an entrepreneur.
- ❖ The cell conducts various programmes in collaboration with other entrepreneur network cells.
- ❖ The EDC organize special lectures by eminent personality from banks, industry and government authority to know the necessary steps required for starting their own business.
- ❖ It also organizes awareness camp and scientific eco-friendly programmes to avoid e-waste.

1.3.3 Enumerate the efforts made by the Institution to integrate the cross cutting issues such as gender, climate change, environmental education, human rights, ICT etc., into the curriculum?**GENDER**

- ❖ The college recruits both male/ female staff.
- ❖ The college provides admission to both male/female students.
- ❖ A women cell which comprises team of senior female faculty is in position to attend the grievances from women employees and girl students on the gender discrimination and harassment, if any.

- ❖ The cell also conducts awareness programmes among the students by inviting feminists, medical practitioners and other professionals.

Environment and climatic change

Ambience

- ❖ Sprawling lawns, avenue trees, and various species of plants function as carbon sinks and provide a gleaming green cover.
- ❖ The ambience of the Institution is filled with positive learning environment and student friendly culture.
- ❖ A cozy hostel with nutritious food and canteen, serve the culinary system, play grounds, indoor, outdoor games, swimming pool and gym entreat the body and development of physique leading to mental alertness.
- ❖ Recreation centre's like yoga, dance and entertainment facilities are provided to the students.

Barrier-Free Structure

- ❖ The infrastructure is provided with fully equipped learning facilities mainly for the differently abled persons and for free movement of the students, faculty and visitors within the campus.
- ❖ Liquor and tobacco free campus.

Water Treatment Plant

- ❖ Two Reverse osmosis plants have been installed to treat drinking water. Potable water is provided to all the inmates of the Institution.
- ❖ Waste water and solid waste from the hostels, cafeteria and other places are recycled and/or reused.
- ❖ Waste segregation at source.

Environmental Education

The curriculum itself includes the environmental education like Environmental Science and Professional Ethics. Apart from the curriculum, various committees are formed to inherit the environmental education to the students through following service schemes.

❖ National Service scheme (NSS)	❖ Youth Red Cross (YRC)
❖ National cadet corps (NCC)	❖ Red Ribbon Club(RRC)

National Service Scheme (NSS)

The NSS arrange camps to cover the following activities

- ❖ Medical camp
- ❖ Blood donation camp
- ❖ Tree plantation
- ❖ Environment awareness rallies

The camps are held at Kurur, Alambadi, Kalpadi and few other places. NSS also extend their services for regulating the public during government examinations.

National Cadet Corps (NCC)

- ❖ 4 Tamilnadu girls Battalion NCC granted 50 cadets to our college.
- ❖ Training of NCC develops qualities like patriotism, discipline, team spirit, leadership, self confidence and promoted overall personality development among the cadets.
- ❖ To be the best in all walks of life and to emerge as women leaders of rising India.
- ❖ NCC cadets attended various camps such as the annual training camp, national integration camp and trekking camp.
- ❖ The NCC has organized various social service activities like awareness on adult-education, tree plantation, blood donation, rainwater harvesting, health, voters' day awareness rally etc.

Youth Red Cross (YRC)

Youth Red Cross is an association aimed to serve the needy people with a group of student volunteers. The main objectives of YRC are to

- ❖ Promote life and health through training and education on safety, primary care and health care and healthy living.
- ❖ Encourage community service through training and education.
- ❖ Disseminate the seven fundamental principles of Red Cross and Red Crescent movement through activities that encourage the Red Cross ideals.
- ❖ Promote international friendship, of cultivating a humanitarian spirit.
- ❖ Technical support in the development of youth programmes, fund raising, identification of material and human resources.

The YRC conducts various events related to free educational camp for the rural school children by providing educational aids.

Red Ribbon Club (RRC)

- ❖ The main scope of RRC is to enhance voluntary blood donation and also HIV & AIDS prevention among the youth in educational Institutions.
- ❖ It will also prepare and promote youth peer educators within and outside the campus.

Human Rights

- ❖ The Institution has formed an Anti-Ragging committee with the Principal as the convener. This committee effectively controls ragging, which is a violation against the fundamental human rights and human values.
- ❖ Beginning of every academic year, the committee forms an Anti-Ragging squad for the control of ragging activities inside the campus.
- ❖ The squad members are assigned with various duties at the crowded areas of the college campus to prevent the freshers' from being ragged.
- ❖ The committee makes surprise visits to hostel and other vulnerable places prone to ragging. This committee makes the campus Ragging-Free.

- ❖ The committees also organize special guest lectures on right to information act to create awareness in students.
- ❖ Women's cell takes care of the rights of women staff and students.

ICT (Information and Communication Technology)

The ICT (Information and Communication Technology) helps in enriching the student activities towards providing information and communication. The entire campus is connected through LAN and Wi-Fi in order to integrate all efforts to tackle issues relating to gender, climate change, environmental education, and human rights.

1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?

Apart from the curriculum, some value added courses are organized to enrich the moral, ethical values, employable, life skills and better career options.

Moral and Ethical Values

The curriculum itself offers professional ethics which prepare the students to practice proper ethical, moral and professional standards.

Employable and life skills

- ❖ The Institution enhances the student employability through various training programmes like verbal, non-verbal, reasoning and aptitude.
- ❖ The TCS accreditation helps the students to be placed in TCS.
- ❖ The Institution conducts seminars, workshops and conferences related to recent industrial trends to fill the gap between curriculum and requirements of the industry.

Better Career Options

- ❖ Communication skills play a key role in competitive employment world. Conveying better understanding of subjects is possible only through good communication skills to the audience and represent excellent presentation.
- ❖ The personality development programme (PDP) enables the students to interact within the students and deliver their views effectively.
- ❖ PDP offers various programmes concerned with improvement of basic amenities/requirements of the students within the campus.

Extension Orientation

- ❖ NCC, NSS, YRC and RRC conducts enormous service related activities like blood donation and pollution free environment.
- ❖ The Entrepreneurship Development Cell (EDC) provides the following activities with informative events, like lectures and talks on entrepreneurship, startup to idea workshop business modeling workshop and business quiz.
- ❖ MOU's with villages.
- ❖ Extension and consultancy programmes to benefit rural community.

1.3.5 Cite a few examples enumerating on the extent of use of the feedback from stakeholders in enriching the curriculum?

- ❖ Feedbacks are periodically obtained from stake holders like students, alumni, industrial experts, parents and management.
- ❖ The suggestions from the stake holders are reviewed and valuable feedbacks are sent to parent university for enriching the curriculum.

Here, three examples for collected feedback from stake holders are given below.

- ❖ Students' suggest adding topics related to rural technology in the course of 'Total Quality Management'.
- ❖ Alumni provide feedbacks to refine the curriculum towards latest trends.
- ❖ Industry people give suggestions to include more practical oriented courses.

1.3.6 How does the Institution monitor and evaluate the quality of its enrichment programmes?

The enrichment programmes are monitored and evaluated by the HODs, Principal and Management. Corrective measures are taken based on feedback from the students. The feedback form consists of questionnaire related to syllabus, teaching methods, interactive session and additional facilities provided during the enrichment programmes.

1.4 Feedback System**1.4.1 What are the contributions of the Institution in the design and development of the curriculum prepared by the University?**

As the Institution is affiliated to Anna university Chennai, the latter design curriculum and syllabi. The Institute regularly contributes to the design and development of the university curriculum in the following ways:

- ❖ The college has Academic Affairs Committee to get the feedback from the students, faculty and other stake holders regarding curriculum/syllabi of the affiliating university.
- ❖ The feedback is reviewed by the Academic Affairs Committee and sent to Anna university, Chennai for consideration and inclusion in the curriculum during its next revision.
- ❖ Faculty members are motivated to attend the workshops and faculty development programmes conducted by the Anna university, relevant to design and development of the curriculum.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on curriculum? If “yes”, how is it communicated to the University and made use internally for curriculum enrichment in introducing changes/new programmes?

Yes; the college obtains feedback from the students (through teacher evaluation by students and programme-exit questionnaire), alumni, parents, employers/industries and experts from academia and other stakeholders.

- ❖ The feedback from all stakeholders is reviewed by the members of Academic Affairs Committee in order to send the suggestion to the board of studies.
- ❖ Faculty Development Programme helps the faculty to find gap between the curriculum and suggest measures to the Academic Affairs Committee for enrichment of curriculum.
- ❖ The management helps in collecting the feedback from teaching and learning community through Academic Affairs Committee. The management rectifies the drawbacks from the administration side by providing better facilities.
- ❖ Parents regularly review their wards' improvement in studies and personality providing feedback to the counselor during parents – teachers meeting.
- ❖ Alumni act as mentor, role model and develop lifelong relationship.
- ❖ The Alumni extend their view and idea towards fulfilling the requirement of the industry.
- ❖ The industry provides feedback about the needed software and knowledge for easy learning of real time problems and to solve them efficiently.

1.4.3 How many new programmes/courses were introduced by the Institution during the last four years? What was the rationale for introducing new courses/programmes?)

Additional courses have been included in the engineering programme in order to adapt to the vision and mission of the Institution. The following are the various programmes for under graduate and post graduate students started during the past four years:

M.E- CAD/CAM

- ❖ Development in CAD results in real-time process simulation and computer numerically controlled manufacturing.
- ❖ Integrating Computer-Aided Manufacturing (CAM) with Computer-Aided Design systems which are the part of the CIM (Computer Integrated Manufacturing) produces quicker and more efficient manufacturing processes.

M.E- Power Electronics and Drives

- ❖ Power Electronics and Drives deals with detailed understanding of the operation, function and interaction between various components and sub-systems used in power electronic converters, electric machines and adjustable-speed drives.
- ❖ Knowledge enabling design, modeling, simulation and synthesis of power converter-based systems used for conversion of electric energy.

M.E- Computer Science and Engineering (with specialization in Network)

- ❖ Computer Science and Engineering (with specialization in Network) course offers study of various aspects of computer science and network engineering.
- ❖ Computer engineering emphasizes the theory, design, and development of computers and computer-related technology including both hardware and software.
- ❖ Networking is designed to provide an in-depth knowledge of theory and practice in networking and communications.

M.E-Embedded System Technologies

To expose the students to the fundamentals of Real Time communication systems and algorithms & techniques used in real time systems. Embedded system design is a field that applies the results from several engineering disciplines like Electronics & Communication and Computer Science.

- ❖ Embedded system engineer is required to be a specialist in a specific area such as state-of-the-art microelectronic system design, hardware architectures, system software (operating systems) or architecture of application software.

As mentioned above due to the emerging engineering technology the students are trained to be experts in every field to blossom as a complete professional.

S. No	Academic year	Programme Introduced	Sanctioned intake
1	2011-12	M.E- CAD/CAM	18
		M.E- Power Electronics and Drives	18
2	2012-13	M.E- Computer Science and Engineering(with specialization in Network)	18
		M.E-Embedded system Technologies	18

Table 1.10 New programmes/courses introduced in last four years

Any other relevant information regarding curricular aspects which the college would like to include: Nil

Criterion II: Teaching - Learning and Evaluation**2.1 Student Enrollment and Profile****2.1.1 How does the college ensure publicity and transparency in the admission process?****Publicity:**

- ❖ Being a self-finance Engineering College, affiliated to Anna University-Chennai, the college follows the Anna University Engineering Admission Process.
- ❖ Admission notification is published in all leading national and regional daily newspapers in English and Tamil.
- ❖ The advertisement contains detailed information about the UG and PG programmes, eligibility criteria, process of admission, and the facilities provided by the college.
- ❖ The College ensures publicity in the admission process through our college website at www.dsengg.ac.in
- ❖ Our alumni spread over in India and abroad, help us greatly in popularizing our college and securing admissions.
- ❖ Scrolling the outstanding features of the college, advertisement on Cable TV, is given.
- ❖ Banners are posted at leading locations in the state.
- ❖ Through college prospectus and brochure.

Transparency:**Admission through single window system**

- ❖ Admission to the various UG programmes is done in accordance with the statutory provisions of the Anna University and the Government of Tamil Nadu. The seats under Government quota are transparently filled through the single window system of admission based on Higher Secondary examination marks (merit basis).
- ❖ Admission to various PG programmes is done through Tamilnadu common entrance test (TANCET) conducted by Anna University.

Admission through management quota

The seats under management quota are transparently filled through a separate single window system constituted by the consortium of self-financing colleges in Tamilnadu. Seven Associations in the State of Tamilnadu have formed a Consortium in the name of “**Consortium of Self Financing Professional, Arts and Science Colleges in Tamilnadu**”, where majority of the Engineering Colleges are members. The Consortium has been granted permission to admit students in undergraduate engineering courses (B.E / B.Tech / B.Arch) in various private professional colleges under the Management Quota in the state of Tamilnadu on the basis of the marks obtained by the student in the relevant subjects in the qualifying examination

by “Committee to Regulate/Monitor the Admissions of Students to Professional, Arts and Science Colleges”, Chennai ‘vide’ its Proceeding No.Committee / Engineering / 032 / 2013, Dated 14.03.2013

2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

Admissions are purely based on **merit** (marks obtained in the qualifying examination) and **availability of seats**.

UG Courses: B.E / B.Tech

- ❖ 50% seats are filled by Anna University (TNEA single window counseling).
- ❖ 50% seats are filled by management through the consortium of self-financing colleges in Tamilnadu (academic ranking system).

Candidates are selected on the basis of the marks obtained in the prescribed subjects in the qualifying examination. The following table shows the criteria for the admission.

S.No	Community	Pass with minimum average marks in Physics, Chemistry and Mathematics
1	General Category	50%
2	BC* including BCM*	45%
3	MBC* and DNC*	40%
4	SC/SCA*/ST	40 %

BC*-Backward Classes

BCM*-Backward Classes (Muslim)

MBC*-Most Backward Classes

DNC*-Denotified Communities

SCA*-Scheduled Castes (Arunthathiyars)

PG Courses: M.E / M.C.A / M.B.A

- ❖ **M.E:** 35% seats are filled by Anna University (TANCA single window counseling) and remaining 65% seats are filled by management through the consortium of self-financing colleges in Tamilnadu (academic ranking system).

A pass in a recognized Bachelor's degree (or) equivalent in the relevant field and obtained at least 50 % of marks (45% of marks in case of candidates belonging to reserved category) in the qualifying degree examination.

- ❖ **M.C.A/M.B.A:** 50% seats are filled by Anna University (TANCA single window counseling) and remaining 50% seats are filled by management through the consortium of self-financing colleges in Tamilnadu (academic ranking system).

- ❖ **PG Courses Consortium test details:** Seven Associations in the State of Tamilnadu have formed a Consortium in the name of “Consortium of Self Financing Professional, Arts and Science Colleges in Tamilnadu”, where various Engineering Colleges, Arts, Science and Management colleges are also members. The Consortium has been granted permission to conduct Common Entrance Test - 2013 for MBA/ MCA/ M.E/ M.Tech/ M.Arch courses to admit students in various Private Engineering, Arts, Science and Management colleges under the Management Quota in the state of Tamilnadu by the “Committee to Regulate/Monitor the Admissions of Students to Professional, Arts and Science Colleges”, Chennai ‘vide’ its Proceeding No.Committee / P.G. Engg. / MBA / MCA / 032 / 2013, Dated: 14.03.2013.

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city / district.

Admission 2013-2014

S. No	Programmes	DSEC*		REC*		Dr.NNCE*	
		Percentage of Marks		Percentage of Marks		Percentage of Marks	
		Min.	Max.	Min.	Max.	Min.	Max.
1.	B.E-AERO	46.6	82.5	NA	NA	NA	NA
2.	B.E-BME	46.2	87	NA	NA	NA	NA
3.	B.E-ECE	45.5	91.6	40.21	77.62	44.2	79.25
4.	B.E-EEE	45.2	80	42.50	74.36	41.7	72.5
5.	B.E_CSE	45	91.2	45.62	80.2	40.7	75.6
6.	B.Tech-IT	45	83	44.32	83.27	42.6	70.8
7.	B.E-MECH	45.1	89.2	49.00	80.21	41.2	78.3
8.	B.E-Civil	46.2	85.2	43.7	75.26	43.7	80.25
9.	MBA	52.3	79.3	NA	NA	NA	NA
10.	MCA	53.7	85.2	51.3	76.2	49.2	75.9

S. No	Programmes	DSEC*		REC*		Dr.NNCE*	
		Percentage of Marks		Percentage of Marks		Percentage of Marks	
		Min.	Max.	Min.	Max.	Min.	Max.
11.	M.E-CSE	71.2	80.3	69.25	73.12	NA	NA
12.	M.E-EST	76.2	89.2	NA	NA	NA	NA
13.	M.E-CS	70.2	85.6	NA	NA	NA	NA
14.	M.E-CSE (with specialization in networks)	71.2	81.4	NA	NA	NA	NA
15.	M.E-PED	64.2	88.2	61.3	78.9	NA	NA
16.	M.E.,CAD/CAM	66.4	74.5	NA	NA	NA	NA

DSEC*-Dhanalakshmi Srinivasan Engineering college.

REC*-Roever Engineering College.

Dr.NNCE*-Dr.Navalur Nedunchezhiyan College of Engineering.

NA-Not Applicable.

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If ‘yes’ what is the outcome of such an effort and how has it contributed to the improvement of the process?

There is no mechanism to review the admission process, as it is under the control of Anna University, Chennai.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion.

SC/ST / OBC

- ❖ In the single window counseling system of selection, as per Government norms, certain percentage of seats are reserved for students from the SC/ST/OBC communities.
- ❖ As per the Supreme Court directive every year the State Government provides extra seats, so that other communities are not affected by this special extra-reservation policy.

- ❖ Students also get admitted on the general category of seats by virtue of the marks obtained by the SC / ST / OBC community students.
- ❖ For example in the current academic year 2013 – 2014, 171 SC/ST and 794 OBC students have been admitted as against the respective 17.73% and 82.27% of the total 965 students admitted.

Women

The College does not discriminate on the basis of gender.

- ❖ For Example, in the current academic year 2013 -14, out of a total strength of 4028 students 42.95% (1730) are girl students.

Differently-abled

We have instances of differently-abled students having successfully completed the programmes in our College.

Economically weaker sections

- ❖ Economically weaker sections are provided scholarships based on annual income by the government.
- ❖ For economically weaker students, college management provides fee concessions.
- ❖ Students belonging to this section are allowed to pay the fees in installments.
- ❖ The college library arranges loaning of books from book-bank for the whole semester.

Minority community

In the single window system, as per Government norms, certain percentage of seats is reserved for students from the minority community.

Any other (First generation graduates/Rural students)

Tamilnadu Government bears Rs.20000/- of the total tuition fee payable every year by the student. Management accords preference in admission as a policy decision for first graduation enabled students. Total number of students receiving first graduate scholarship during the academic year is 1115.

2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.

The following table shows the demand ratio (=Number of students admitted/Number of Sanctioned intake) for the last four years.

S.No	Programmes	2013-2014		
		Number of applications (Sanctioned intake)	Number of students admitted	Demand Ratio (Out of 1)
1.	B.E-AERO	60	24	0.4
2.	B.E-BME	120	119	0.99
3.	B.E-ECE	180	116	0.64

S.No	Programmes	Number of applications (Sanctioned intake)	Number of students admitted	Demand Ratio (Out of 1)
4.	B.E-EEE	120	69	0.575
5.	B.E-CSE	120	71	0.591
6.	B.Tech-IT	120	39	0.325
7.	B.E.,MECH	180	179	0.99
8.	B.E-CIVIL	120	118	0.98
9.	MBA	120	83	0.691
10.	MCA	120	31	0.25
11.	M.E-CSE	36	32	0.88
12.	M.E-EST	18	17	0.94
13.	M.E-CS	36	36	1
14.	M.E-CSE(with specialization in networks)	18	7	0.38
15.	M.E-PED	18	14	0.77
16.	M.E.,CAD/CAM	18	10	0.55
2012-13				
1.	B.E-AERO	60	22	0.36
2.	B.E-BME	120	86	0.71
3.	B.E-ECE	180	159	0.88
4.	B.E-EEE	120	118	0.98
5.	B.E-CSE	120	107	0.89
6.	B.Tech-IT	120	49	0.40
7.	B.E-MECH	180	176	0.97
8.	B.E-CIVIL	120	115	0.95
9.	MBA	120	66	0.55
10.	MCA	120	57	47.5
11.	M.E-CSE	36	35	0.97
12.	M.E-EST	18	13	0.72
13.	M.E-CS	36	33	0.92
14.	M.E -CSE (with specialization in networks)	18	16	0.88
15.	M.E-PED	18	17	0.94
2011-12				
1.	B.E-AERO	61	61	1
2.	B.E-BME	120	87	0.72
3.	B.E-ECE	180	146	0.81
4.	B.E-EEE	120	147	1
5.	B.E-CSE	128	128	1

S.No	Programmes	Number of applications (Sanctioned intake)	Number of students admitted	Demand Ratio (Out of 1)
6.	B.Tech-IT	120	65	0.54
7.	B.E-MECH	180	149	0.82
8.	B.E-CIVIL	153	153	1
9.	MBA	120	76	0.63
10.	MCA	120	109	0.90
11.	M.E-CSE	36	35	0.97
12.	M.E-CS	36	35	0.97
13.	M.E--PED	18	17	0.94
14.	M.E.,CAD/CAM	18	10	0.55
2010-2011				
1.	B.E-AERO	67	67	1
2.	B.E-BME	120	60	0.5
3.	B.E-ECE	180	148	0.82
4.	B.E-EEE	120	78	0.65
5.	B.E-CSE	120	112	0.93
6.	B.Tech-IT	120	66	0.55
7.	B.E-MECH	180	150	0.83
8.	B.E-CIVIL	144	144	1
9.	MBA	120	72	0.6
10.	MCA	120	66	0.55
11.	M.E-CSE	36	35	0.97
12.	M.E -CS	36	36	1

Reasons for increase/decrease in demand and actions initiated by the college

- ❖ The demand for Mechanical Engineering, Civil Engineering, Electrical and Electronics Engineering and Electronics and Communication Engineering programmes has increased due to the following reasons.
 - More job opportunities in government and public sectors.
 - Due to the development of more automobile industries, power plants, builders, electronic industries and communication sectors.
- ❖ Due to the improvement in various switching devices and wireless networks, the college introduced three different post graduate programmes such as Computer Science and Engineering (with specialization in networks), Embedded System Technologies and Power Electronics and Drives.
- ❖ In the recent years, students are not opting for Information Technology and Aeronautical Engineering due to shrinking job opportunities.

- ❖ In the year 2013-14, number of admissions slowed down due to increase in number of colleges, recession in industries and Information Technology sectors etc.
- ❖ Few students are opted to study in deemed universities in Tamilnadu and engineering colleges in other states.

2.2 Catering to Student Diversity

2.2.1 How does the institution cater to the needs of differently abled students and ensure adherence to government policies in this regard?

- ❖ A complete team of faculty caring for the differently abled students' welfare is readily available.
- ❖ The institution offers support for these students and seats are reserved as per the government policies, rules and regulations at the time of admission to various programmes.
- ❖ Special classes and counseling sessions are arranged to these students.
- ❖ These students are also provided with extra time at the end semester University examinations as per the Anna University norms.
- ❖ The faculty, library staff, hostel and other allied staff are sensitized to the needs of these students.
- ❖ Institute provides a separate counselor for addressing the needs of differently abled students.
- ❖ Elevators are being installed.
- ❖ Institute identifies the needs of differently abled students and provides specially designed rest and washes rooms.
- ❖ Institute provides battery operated vehicles.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the Process.

Yes; the institute conducts bridge courses for newly admitted students which accentuate the following:

- ❖ Providing better communication skills to make the students to gain self confidence and meaningful articulation to face challenges in the real world.
- ❖ To bridge the inadequacies in subjects like English and Mathematics, to achieve homogeneity among the incumbents.
- ❖ An ambience to make students freely express their innovative ideas is available.

2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/remedial/ Add-

on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?

Bridge Courses

Academic Year	No. of Bridge Courses Conducted	Duration of the course	Name of the Organizer
2011-12	02	2weeks	Dr.A.C.Chandrasekaran, Dept. of English
			Mr.R.J.Rameshkumar Dept. of Maths
2012-13	02	2weeks	Dr.A.C.Chandrasekaran, Dept. of English
			Mr.R.J.Rameshkumar Dept. of Maths
2013-14	02	2weeks	Dr.A.C.Chandrasekaran, Dept. of English
			Mr.R.J.Rameshkumar Dept. of Maths

- ❖ These courses help students to gain better understanding of a particular subject. By reviewing and focusing on the basics, students become better prepared to keep up with advanced classes.
- ❖ Bridge courses are conducted for first year students in English, and Mathematics.
- ❖ Experts and scientists from the industries and research institutions are invited to give lectures to bridge the knowledge gap of the enrolled students.
- ❖ Language laboratory is used to improve communication skills.

Remedial Courses

- ❖ Remedial courses are conducted for slow learners to cope up with fellow students.
- ❖ Each faculty act as mentor for a group of slow learners.

Add on Courses

- ❖ Experts and scientists from industries and research institutions are invited to give special lectures on emerging areas and challenging trends.
- ❖ Programmes to develop skills in students to face competitive interviews are organized.

Enrichment Courses

In the current academic year the following numbers of enrichment courses are conducted.

S.No	Name of the Programme	Number of Enrichment courses conducted
UG Programme		
1.	B.E.,Aeronautical Engineering	2
2.	B.E.,Biomedical Engineering	2
3.	B.E.,Electronics and Communication Engineering	2
4.	B.E.,Electrical and Electronics Engineering	2
5.	B.E.,Computer Science and Engineering	2
6.	B.Tech.,Information Technology	2
7.	B.E.,Mechanical Engineering	2
8.	B.E.,Civil Engineering	2
PG Programme		
9.	Master of Business Administration	2
10.	Master of Computer Applications	2
11.	M.E., Computer Science and Engineering	2
12.	M.E., Embedded System Technologies	2
13.	M.E., Communication System	2
14.	M.E., Computer Science and Engineering (with specialization in networks)	2
15.	M.E.,Power Electronics and Drives	2
16.	M.E.,CAD/CAM	2

- ❖ Faculty members provide information to students on contents beyond syllabus to enrich their knowledge.
- ❖ Useful practical training is given to the students in addition to their regular work outs.
- ❖ Industrial visits are arranged to the students.
- ❖ These visits build a strong practical knowledge in students to provide solutions for production problems.
- ❖ In-plant trainings are provided to the students to get an industry exposure and first hand information on real world problems.
- ❖ Special training is given to the students on the recent domain based needs of the industries.

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

Gender:

- ❖ Women cell is formed to attend women welfare and complaints on gender discrimination and harassment.
- ❖ A committee has been constituted to give necessary counseling to needy students.

- ❖ The college and the management make efforts to create awareness among the students regarding such gender based evils during orientation programme.
- ❖ Special bills are displayed in various parts of the college on gender sensitization.
- ❖ The cell also conducts awareness programmes among the girls by doctors, other professionals and social counselors.
- ❖ Male and female staff members and students in our institution are treated on par.
- ❖ Separate rest rooms, toilet facilities / hostel facilities are provided for male and female.

Inclusions:

- ❖ All kinds of academic help are provided for the benefit of the economically weaker and SC/ST students to bring them into main stream by giving extra coaching class.

Environment:**Drinking water**

- ❖ Two reverse osmosis plants have been installed to treat drinking water.
- ❖ Treated safe potable water is provided to all the inmates of the institution.

Protection of Environment

- ❖ Institute has waste water disposal, recycling / reuse.
- ❖ The grass has been cut without producing any pollutants.
- ❖ Prevention of insect, disease, weed problems and keep the trees healthy and safe.
- ❖ All solid wastes generated from hostels, classrooms, canteen, laboratories etc are fed into bio-gas plant.

2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?

For first year students, advanced learners are identified based on the 12th marks and marks obtained from the bridge courses.

For II, III and IV Year students, advanced learners are identified based on the performance in internal assessment and university exams.

Specific strategies for the advanced Learners:

- ❖ Provision of additional learning, reference books, review articles and report, CDs and internet facilities are provided.
- ❖ Language laboratory training is given.
- ❖ Additional experiments are also conducted after the completion of the regular lab classes to these students.
- ❖ Participation in problem solving and decision making exercises.
- ❖ Seminars on selected reference topics.

- ❖ The advanced learners of various departments are encouraged to take part in symposia, workshops and seminars to gain knowledge in advanced topics.
- ❖ The students are encouraged to do projects and mini projects in advanced topics under the guidance of faculty members.
- ❖ Resource persons from industries and academic institutions are invited to give guest lectures on advanced topics for the benefit of the students.
- ❖ The faculty members teach contents beyond syllabus, after the completion of syllabus to these students.
- ❖ They are advised to undertake GATE, CAT, GMAT, TOEFL, GRE and TANCET exams and are guided in this endeavor.
- ❖ Fast learners are motivated and advised to do research activities and encouraged to attend civil service examinations such as IAS, IPS, IES and UPSC also.
- ❖ Those students are selected as team leaders and facilitators of teams comprising of medium and slow learners.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

- ❖ For every batch of 20 students, a faculty is deputed and he/she monitors the academic performance of the students.
- ❖ The class coordinator and student counselors collect and maintain the attendance and academic performance of every student.
- ❖ The class coordinator concerned, the counselor and HOD jointly analyze and identify the students who are at risk of drop out. Necessary steps are taken (Counseling, extra coaching classes and fee concession) to reduce the risk of drop out students.
- ❖ Separate counselor is arranged for students from the disadvantaged sections of society and physically challenged students; they counsel, motivate and help the students to improve their overall performance.
- ❖ The management provides special monetary assistance to economically weaker students.

2.3 Teaching-Learning Process

2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

The institution plans and organizes the teaching, learning and evaluation schedule based on the Anna University assessment schedule. It is done semester wise.

- ❖ The university insists on a minimum of 90 working days attendance per semester and this is strictly adhered to by the college.
- ❖ Curriculum and syllabi, question bank, lab manuals etc., are issued to students at the beginning of the semester.
- ❖ A Hand book is published by the institute which includes the following details:
 - Assessment schedule
 - Academic events
 - Sports schedule
 - List of holidays
 - Calendar of events
- ❖ The head of the department conducts meeting with faculty and allots subjects based on their interest and expertise. Then the time table is prepared, displayed at the departmental notice board, and circulated to the students.
- ❖ The course plan is organized properly at the beginning of every semester and it starts at the departmental level.
- ❖ The faculty members are provided with log books which contain the teaching plan to be fill by the faculty member.
- ❖ The evaluation methods are communicated to the students during the first class committee meeting.
- ❖ Internal evaluation marks are displayed in notice board and communicated to parents.

2.3.2 How does IQAC contribute to improve the teaching –learning Process?

An IQAC is established in the college on 14.03.2014. The primary aim of the IQAC (Internal Quality Assurance Cell) is to develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution. The mechanism and procedure of IQAC of the college involves:

- ❖ Preparation of the good feedback forms for students and faculty; so that the teaching-learning methods can be judged.
- ❖ Analysis of the feedback and advice teachers for improvement, if necessary.
- ❖ Conduction of seminar, interaction with academicians and people from industry to get first hand information on the scientific trend and market needs to boost the teaching quality.
- ❖ Monitoring the academic performance of the faculty and students.
- ❖ Arranging visiting faculty in thrust areas.

- ❖ Periodical discussion with Principal and HODs for further improvement.

2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

The learning (interactive, collaborative and independent) is made student-centric by the following methods:

- ❖ Providing text books and reference books for reference.
- ❖ Students are members of various academic committees.
- ❖ Students can be allowed to interact with teachers at any time.
- ❖ Book bank facility is available for SC/ST and economically weaker students.
- ❖ Information about topics to be taught in the next class is given to students for active discussion with teachers.
- ❖ Giving take home assignments and mini project work and taking follow up action.
- ❖ Library, internet and Wi-Fi facility and language lab facility extended to all students.
- ❖ Encouraged to organize and participate in workshops, seminars and conferences.
- ❖ Add on courses to help in developing special skills are arranged.
- ❖ Student seminars, research projects are mandatorily promoted.
- ❖ Attention is given to individual students through mentors both in academics and extracurricular activities.
- ❖ Real time demonstrations are provided for various subjects.
- ❖ On site teaching methodology are also provided.
- ❖ Project facilities and structures are available for teachers.
- ❖ Central computing, LAN facilities and e-library facilities help to teaching – learning process.
- ❖ Availability of learning resources through CDs and DVDs, internet sources, interlibrary loans etc.
- ❖ Smart class rooms/audio visual rooms are provided to students.
- ❖ Institution encourages the teachers to participate in seminars, group discussions and institutional visits as well as to organize seminars, workshops and conferences.
- ❖ Guest / special lectures are arranged for the benefit of students and teachers.
- ❖ Institution encourages teachers to obtain higher qualification through specific incentives.

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

College takes special efforts to instill and nurture creativity and scientific temper among the learners by providing the following opportunities:

- ❖ The students are encouraged to design their own applications using the available equipment in the laboratory and softwares.
- ❖ The faculty motivates the students to participate in model/design making, paper presentations, software contests and various other curricular and co-curricular activities in various events organized inside and outside the college.
- ❖ The scientific temper among students is enhanced by providing additional creative laboratory hours and research activities.
- ❖ Students are encouraged to participate in mini project competitions; scientific exhibitions and workshops with hands-on experience.
- ❖ Students are encouraged to gain knowledge in interdisciplinary subjects through selection of open electives, seminars and discussions with experts.
- ❖ Students are encouraged to join in professional societies like ISTE, CSI, etc.

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc

Technologies and facilities available and used by the faculty:

❖ Computers with internet facility in all departments.	❖ Language laboratory.
❖ Use of OHP and LCD projectors.	❖ NPTEL videos
❖ e-learning.	❖ Smart class room.
❖ e-library.	❖ Expert lectures.
❖ Open educational resources.	❖ Audio visual rooms.
	❖ Inter library loans.
	❖ Blended learning.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

- ❖ College organizes national and international seminars, conferences and workshops.
- ❖ Faculty members and students are encouraged to participate in various national and international seminars, refresher courses and workshops.
- ❖ Arranged blended learning methods during Personality Development Program (PDP) hours.

- ❖ Short term courses are imparted in winter and summer recess by the relevant industries.
- ❖ Industry personnel are often invited to share their knowledge with students/teachers.
- ❖ In plant training and industry visits are regularly arranged.
- ❖ Conduct several enrichment courses for students.

2.3.7 Detail (process and the number of students benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advice) provided to students?

- ❖ Career counseling is provided by the HRDC.
- ❖ It assists students in understanding their values, interests, skills, passions and world outlook which influence their career decisions.
- ❖ The cell also provides support in securing jobs by counseling and job search strategy, resume making tips and preparation to face interviews.
- ❖ Academic and personal counseling is provided by faculty advisor scheme where 20 students are assigned to each faculty member.
- ❖ The faculty advisor assists students to monitor and improve their academic progress and provides support on personal appropriate issues.
- ❖ When appropriate, he helps mentee to think and take important strategic decisions.
- ❖ Psycho-social counseling is also provided.
- ❖ He focuses on identifying and exploring risk behaviors and motivates the individual towards risk reduction.

Guidance:

Counseling is done by each and every faculty member of the institute. In addition to faculty members, administrators of the institute also help students to accomplish mental health, wellness, mental growth, education career goals, social culture, appraisal, research, making good lifestyle, and professional orientation for a rewarding career path.

- ❖ Mentoring - For every individual faculty 20 students are allotted for mentoring in all activities. Two meetings are conducted by the principal every semester to assess the mentoring activity.
- ❖ Academic advice- If students face any academic problems, academic advice is provided by the respective mentors.

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

Innovative teaching approaches/methods adopted by the faculty:

- ❖ Faculty members continuously strive to evolve innovative teaching methodologies. Some of the innovative teaching methodologies adopted are:
 - The teachers utilize ICT facilities to illustrate the concept clearly through audio/video mode.
 - The teachers circulate lecture notes, question banks with answers and other relevant materials.
 - Teaching through projects.
 - Microteaching.
 - Group discussions.
 - Interactive teaching.
 - NPTEL – National Programme on Technology Enhanced Learning
 - Formation of different groups among the students and encouraging peer learning which helps the slow learners.
 - The students are given many tasks such as group assignments, thought provoking problems and mini projects. These activities help the students to learn on their own.

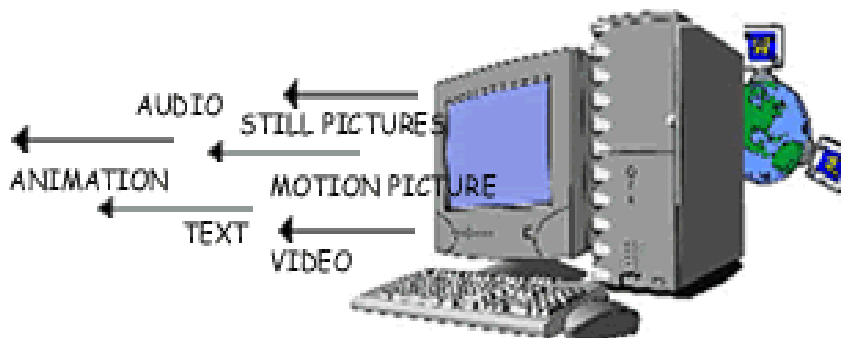


Figure 2.1. Multimedia teaching approach

- ❖ Multimedia teaching – an interactive teaching and learning process
 - a. Makes a particular concept clear.
 - b. Students develop interest to know exactly the concept.
 - c. Creates long lasting memory/correlation of a concept.
- ❖ In addition to making full use of audio-visual aids, teachers constantly revise their teaching methods based on student feedback, their discussion with other teachers (comparing notes), successful methods identified within the college and elsewhere, and new methods updated on the Internet and in journals.
- ❖ Faculty members who attend conferences and seminars share their experiences with the students. HODs are taking initiatives for the introduction of innovative teaching approaches and using modern tools.

Impact

- ❖ The academic and extracurricular performance of the students has vastly improved in the last four years.
- ❖ Students understand the concepts clearly and unambiguously.
- ❖ They learn how to use these methodologies for effective learning.
- ❖ Infrastructure facilities improved in the institute.
- ❖ Enabled a better teacher-student relationship and interaction.

2.3.9 How are library resources used to augment the teaching learning process?

- ❖ OPAC – Online Public Access Catalog is implemented.
- ❖ In addition to the well stacked-library, each department has its own library to augment and supplement information to the faculty, students and research scholars.
- ❖ College library is equipped with latest editions of university prescribed textbooks and reference books.
- ❖ Book bank facility is available for SC/ST and economically weaker students.
- ❖ Digital library is enabled partly with LAN, DELNET and Internet facilities.
- ❖ Daily newspapers, magazines and journals are subscribed by the library.
- ❖ The library operates beyond college hours.
- ❖ The catalogues from different publishers are filed and readily available for reference.
- ❖ One hour per week of library time is incorporated in the timetable of each class, and teachers assist students to spend the time purposefully.
- ❖ Books for competitive examinations are issued to the students under the special issue scheme.
- ❖ The librarian helps the departments to purchase the latest edition of the books as per the requirement of the teachers.
- ❖ Bibliographic facilities are provided to needy researchers and students.
- ❖ Inter institutional library loan facilities are available.
- ❖ Book facility is available for visually abled students.

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

Such a situation has not arisen till now.

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

Monitoring

The teaching learning process is monitored by Principal, Vice Principal, HOD and IQAC.

- ❖ Student feedbacks are collected twice per semester.
- ❖ Surprise visits by the Principal, Vice-Principal and HOD to lectures help in the assessment of real time teaching learning process.
- ❖ Corrective and preventive actions are taken through discussions in department meetings.
- ❖ Staff self-appraisal forms are collected and examined by HOD and a subject expert.
- ❖ Alumni feedback and parents' suggestions are also considered.

Evaluation

- ❖ Results obtained by students in the slip tests, cycle tests, model examination and university examinations are analyzed.
- ❖ Evaluation is done by comparing the teaching process with the laid down methods documented.

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum

Recruitment Strategies:

- ❖ The institute has the right recruitment policy for both teaching and non-teaching staff.
- ❖ Well before the beginning of the semester each department forward its requirement to the Principal.
- ❖ Advertisement is given in national and regional newspapers.
- ❖ The applications received are scrutinized and eligible candidates are called for interview. A committee comprising of the concerned department HOD, senior faculty members and experts is formed which conducts the interview and submit the report of selected candidates based on their performance.
- ❖ Principal in consultation with the management take the final decision on selection.
- ❖ The same procedure is also followed in the case of non-teaching staff.

Promotion Policies:

- ❖ The promotion policies are followed strictly as per AICTE norms. The following factors are taken into account:
 - Potential to assure higher responsibilities and research outputs.
 - Promotion and increment is given to any staff based on experience, overall performance, self appraisal and interview.

Retention:

- ❖ The qualified teachers with high academic background are recruited with compatible remuneration and perks.
- ❖ They are provided with transportation facility.
- ❖ Preference is given to their wards in their admissions in the sister institutions listed below.
 1. Schools from LKG to XII Std.
 2. Polytechnic.
 3. Arts and Science colleges for women and Co-Education.
 4. Nursing colleges.
 5. Engineering colleges.
 6. Medical colleges.
 7. Architecture programme.

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	12	-	-	-	-	-	12
M.Phil.	2	-	6	5	24	18	55
PG	13	2	34	15	75	72	211
UG	-	-	-	-	13	7	20
Temporary teachers							
Ph.D.	1	-	-	-	-	-	1
M.Phil.	-	-	1	1	5	4	11
PG	-	-	1	-	8	5	14
UG	-	-	-	-	10	-	10
Part-time teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

2.4.2 How does the institution cope up with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

- ❖ Highly qualified faculty members are offered better salary and perks.
- ❖ Staff members are encouraged to qualify for higher studies.

- ❖ To upgrade faculty knowledge, institution encourages staff members to participate in national and international seminars, conferences, faculty development program and workshops on latest topics and emerging areas.
- ❖ Free medical checkup for faculty members and their family members also.
- ❖ Marriage leave and maternity leave are provided.

2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

a) Nomination to staff development programmes

Academic Staff Development Programmes	Number of faculty nominated			
	2010- 2011	2011- 2012	2012-2013	2013-2014
Refresher courses	17	14	31	33
HRD programmes	5	6	8	12
Orientation programmes	6	3	6	18
Staff training conducted by the university	6	1	2	7
Staff training conducted by other institutions	12	14	14	8
Summer / winter schools, workshops, etc.	13	16	26	21

b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning

- ❖ Teaching learning methods/approaches
- ❖ Handling new curriculum
- ❖ Content/knowledge management
- ❖ Selection, development and use of enrichment materials
- ❖ Assessment
- ❖ Cross cutting issues
- ❖ Audio Visual Aids/multimedia
- ❖ OER's –Open Educational Resources

The table shows the details of seminars and workshops organized by our college in the last three years

Name of the Department	Number of workshops organized	Number of seminars organized
AERO	03	03
BME	02	03
ECE	03	03

Name of the Department	Number of workshops organized	Number of seminars organized
EEE	03	03
CSE	02	03
IT	02	06
MECH	01	02
CIVIL	06	--
MCA	03	03
S&H	02	02
MBA	06	08

a) Percentage of faculty

Name of the Department	Percentage of faculty Invited/ Participated / Presented (workshops/seminars/conferences)		
	Invited	Participated	Presented
AERO	8.33	33.33	33.33
BME	12.5	20.83	20.83
CIVIL	3.7	33	40
CSE	18.18	72.72	30.30
ECE	17.14	82.85	21.05
EEE	41.17	5.8	88.23
IT	15.78	52	78
MECH	25	26	13
S&H	0	2	3
MBA	75	37.5	50
MCA	5	10	20

2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications, teaching experience in other national institutions and specialized programmes industrial engagement etc.)

- ❖ Faculty members are encouraged and allowed to acquire higher qualifications and register for Ph.D.
- ❖ The faculty members are encouraged to organize national/international conferences and the institute gives financial support to the maximum extent possible.
- ❖ On duty is provided for the candidates to pursue Ph.D.

- ❖ The college encourages the faculty members to publish research papers in national/international journals/conferences/seminars and reimburse the registration fees/publication costs (50% for publications and 100% for fully approval).

Individual Research Activities:

Faculty members in the institute are actively engaged in research in their respective domains.

S. No.	Faculty name and department	Research activity
1	Mr. C. Narayanan, Biomedical Engineering.	Automatic analysis and feature extraction from angiogram.
2	Mrs. Hemalatha Karnan, Biomedical Engineering.	Mathematical modeling of cardio – pulmonary system.
3	Mr.S.Nandhakumar, Computer Science and Engineering.	Security challenges in mobile ad hoc network.
4	Mrs.J.Sasi Devi, Computer Science and Engineering.	NICE: Network intrusion detection and countermeasure selection in virtual network systems.
5	Mr.R.Raja, Computer Science and Engineering.	Intelligent techniques for mobile ad hoc network.
6	Mr.T.Ganesh, Computer Science and Engineering.	Spatial database.
7	Mrs.P.Shanmuga Priya, Computer Science and Engineering.	Efficient and secure top-k retrieval over encrypted cloud data.
8	Mr.R.Gopi, Computer Science and Engineering.	Wireless vehicular ad hoc network to control traffic safety.
9	Mr.G.Raja, Computer Science and Engineering.	Detection of node replication attacks in mobile sensor networks.
10	Mr.N.Ramkumar, Electronics and Communication Engineering.	Corrosion detection in sending of oil pipelines using DAQ.
11	Mrs.P.Rajeswari, Electronics and Communication Engineering.	Secure and efficient multi platform content management and sharing technique for smart phone in social network.
12	Mr.T.A.Ananth, Electronics and Communication Engineering.	Secured communication in smart grid network.
13	Mrs.M.Parameswari, Electronics and Communication Engineering.	Solar powered water quality monitoring system using wireless sensor network.

S. No.	Faculty name and department	Research activity
14	Mr.S.Gobi Mohan, Electrical and Electronics Engineering.	Control and instrumentation.
15	Mrs.S.Jayanthi, Electrical and Electronics Engineering.	Renewable energy sources.
16	Mr.K.Anbarasan, Electrical and Electronics Engineering.	Control and instrumentation.
17	Mr.G.K.Moorthy, Electrical and Electronics Engineering	Power system analysis.
18	Mr.K.Gobi, Electrical and Electronics Engineering	Multisource converter.
19	Mr.A.Mohammed Imran, Electrical and Electronics Engineering.	Power systems.
20	Mr.S.Selvakumar, Information Technology.	Intrusion detection in wireless network.
21	Mrs.R.Revathi, Information Technology.	Image processing - efficient algorithm to remove artifacts from digital images.
22	Mr.R.Selvakumar, Information Technology.	Efficient mobile robotic networks for emergency surveillance and rescue system.
23	Mr.K.Venkatakrishna Raju, Master of Business Administration.	Micro finance.
24	Mr.R.J.Ramesh Kumar, Mathematics.	Mathematical model for secretion of human stress.
25	Mr.J.John Stephen, Mathematics.	Vertex labeling of cycle graph.
26	Mr.K.Balamurugan, Mathematics.	Mathematical modeling in human hormone.
27	Mr.A.Dinesh Kumar, Mathematics.	Mathematical model for secretion of hormone.
28	Mr.M.Govindharajan, Physics.	Mass transfer diffusion studies in environmental water pollution.
29	Mr.A.Ravi kumar, Physics.	Thin film and nano technology.
30	Mr.S.Rajive Gandhi, Physics.	
31	Mr.J.Manivel, Chemistry.	Bioinorganic chemistry.

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

Award/ Recognition	2012-2013
National Level	Mr.P.Thiruvallar selvan Professor / ECE Dept. has received best research article award ('Corps of Engineers" Prize – Gold medal) from Shri.S.S.Rathore, President of Institution of Engineer.

The faculty are rewarded annually with cash prize and appreciation certificate for producing 100 % and above 95 % results for individual subjects in university examination. Many of our faculty have been awarded for such achievements in the past. The institution provides constant support and encourages the faculty to participate in publication activities.

2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

Yes; Evaluation of teachers by the students is done through students' feedback twice per semester system for theory and labs. Feedback reports are discussed with the staff members and suggestions for improvements are solicited. This evaluation makes the teaching - learning process more effective. At the end of every semester staff self appraisal by the HOD and HOD's appraisal by the faculty are evaluated. The college also collects exit level feedback from the graduates. These are also analyzed by the HOD and management.

2.5 Evaluation Process and Reforms

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

- ❖ The staff members and the students are informed about the evaluation process through three ways,
 - At the beginning of the academic year the handbook is released to the students as well as faculty members containing details of college and university process.
 - College notifies evaluation process on the notice board.
 - University Circulars are also displayed on the notice board as well as website.

- ❖ Understanding the evaluation processes, the regulations, curriculum and syllabus of all the programmes offered by the institution are available in the institution websites. The regulations contain the details of the evaluation process.
- ❖ The evaluation methods used are followed as per the guidelines provided by the Anna University, Chennai.
- ❖ The evaluation methods are discussed in the principal meeting and the decision taken is conveyed to other faculty members by the HOD in the respective department meetings.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

Institution reforms:

The College has followed the following major evaluation reforms as per the instruction given by Anna University, Chennai.

- ❖ Introduction of uploading of continuous internal assessment of test marks in the university web portal.
- ❖ Introduction of multilevel evaluation of answer scripts for university examinations.
- ❖ Introduction of seating plan for internal and university examinations as per the guidelines provided by Anna university.
- ❖ Provision for recounting, re-evaluation and photo copy of answer sheets on the request of the student.
- ❖ External examiners from different colleges are being deputed by the affiliating university for each laboratory university examination.
- ❖ For theory examinations, Anna University Representative (AUR) from other college is being appointed by the Anna University and half of the invigilators have to be appointed from the various nearby colleges.
- ❖ Valuation of answer scripts is being done through inter-zone central valuation by the Anna University, Chennai.

The College has followed the major evaluation reforms on its own:

- ❖ The college has an examination cell. The grievances of the students are collected relating to evaluation and remedial actions are taken.
- ❖ Feedback reports on evaluation aspects are received from the students.

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

After completing the internal examinations, the answer papers are corrected by the staff, and given back to the students. The short comings of the students are found out and are counseled for better future performance. The internal assessments marks are displayed on the notice board with a note to students to appeal for any grievance on the marks given. After grievance redressal the mark statement is submitted to Principal through HOD. The

marks are entered in the Anna University web portal for computing the internal marks. The final marks are displayed in university websites and department notice boards. The internal test performance and monthly attendance of the students are conveyed to their parents periodically.

2.5.4 Provide details on the formative and summative evaluation approaches adapted to measure student achievement. Cite a few examples which have positively impacted the system.

Formative Assessment:

Formative assessment of the students is done on the following parameters:

❖ **Assignments**

For each subject three assignments are assigned to the students.

❖ **Presentations**

Few units in the subject are instructed by the use of power point presentation.

❖ **Industrial visits**

Industrial visits are arranged for the students every year. It builds a strong practical knowledge to provide solution for real time problems.

❖ **In plant Training**

During semester holidays students are motivated to attend in-plant training to collect information about the industry work culture.

❖ **Group discussions**

Group discussions are arranged during PDP hours, it helps the students to improve technical as well as communication skill.

❖ **Workshops/Seminars**

This will provide in-depth analysis of subjects and update the knowledge of the students.

❖ **Social activities**

Camps like blood donation, awareness rally, tree plantation, and medical camp are arranged by NCC and NSS students.

Summative Assessment

Summative assessment takes place at the end of the academic session which is conducted by the college during the end of the semester. This process helps the students to gain confidence and to achieve good results.

Summative processes are,

❖ Model exam and practical exams.

❖ The end semester summative assessment includes a project work in addition to the above two.

Impact

All these methods of evaluation have positively impacted the system. Student's academic progress is monitored regularly through the formative methods. Formative methods are useful to incorporate innovative research

ideas among the students. Summative methods are helpful to know the overall performance of the students and thus help students to evaluate themselves for effective preparation for the university examinations.

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.)

- ❖ **Improvements in Internal:** Slip tests, cycle tests, monthly attendance, Assignments. Retest and coaching classes are arranged for slow learners. Student seminars, assignments and group discussions help in the student's behavioral aspects, independent learning, and communication skills, etc.
- ❖ **Transparency in Internal Assessment:** After evaluation of the test papers, the results are discussed in the class and displayed in the notice board. The results of the cycle tests, model exam are uploaded from time to time in the university web portal, from which the internal assessment is evaluated by the affiliating university, from which any time students can view their scores in web portal.
- ❖ **Weightage for behavioral aspects:** A faculty member as counselor always advice on the overall attitude of students towards academic performance and personality development. This will obviously help during their campus placement and working environment in the real world situation. Special emphasis is given by the placement cell in providing interactive session, group discussions, personality development, etc., for overall improvement.

2.5.6 What are the graduates attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?

Graduate attributes specified by the college and the attainment of these by the students

- ❖ **Engineering Knowledge:** Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
- ❖ **Problem Analysis:** Identify, formulate, review literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
- ❖ **Design/ Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, social and environmental considerations.
- ❖ **Conduct investigations of complex problems:** Using research-based knowledge and research methods including design of experiments,

analysis and interpretation of data and synthesis of information to provide valid conclusions.

- ❖ **Modern Tool Usage:** Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- ❖ **The Engineer and Society:** Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.
- ❖ **Environment and Sustainability:** Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
- ❖ **Ethics:** Apply and commitment to professional ethics, responsibilities and norms of engineering practice.
- ❖ **Individual and Team Work:** Function effectively as an individual, as a member or leader in diverse teams and in multi disciplinary settings.
- ❖ **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
- ❖ **Life-long Learning:** Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.
- ❖ **Project Management and Finance:** Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

College Level

- ❖ College has constituted a student's grievance redressal cell.
- ❖ Suggestion boxes are placed in every block.
- ❖ Separate registers are maintained for the grievances to record the date of grievance, grievance details, redressal details and date of redressal.
- ❖ Students having grievances with the internal evaluation process can directly approach the concerned faculty member, who in turn will discuss the performance of the student openly.
- ❖ Students are also free to consult the Head of the Department through counselor in case of their unsolved grievances, if any.

University Level

For external evaluation by Anna University, re-evaluation fee is charged from the student and evaluation is done once again. If students have

any problem, the Principal of the college communicate to the authority of university concerned and solve the grievances of the students.

2.6 Student performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes? If yes give details on how the students and staff are made aware of these?

YES:

- ❖ Obtaining new knowledge
- ❖ Students must be able to create new knowledge from the newly obtained knowledge and effectively communicate the knowledge learnt to others.
- ❖ Students must be able to use the knowledge learnt in their full professional career.
- ❖ The learning outcomes as expected by the college are communicated to all students and teachers.
- ❖ Students must be able to effectively communicate the knowledge learnt to others.

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course / programme? Provide analysis of the student's results / achievements (Programme / course wise for last four years) and explain the differences if any and patterns of achievement across the programme / courses offered.

Academic monitoring

- ❖ Every student is given a separate counselor record; the academic performance is updated through regular intervals.
- ❖ Regularity – the regularity of the students is monitored by recording their presence /absence in every class.
- ❖ Co-curricular and extra-curricular activity monitoring – After identifying their areas of interest in co-curricular and extra- curricular activities, the students participation/non participation is recorded.
- ❖ The students are guided to progress in all these factors by constant encouragement. Any short comings in any one or all of the above factors are adequately addressed. The students and parents are communicated about the progress through mail, letter and in persons in the parent- teacher meet.

Analysis of the result of last four years is shown below:

Year of passing	Programme	No. of students appeared	No. of students passed	Pass percentage	University ranks
2013	AERO	66	48	78.79	4
	BME	66	49	74.2	2
	CIVIL	131	108	82.44	8
	CSE	96	71	73.96	4
	ECE	134	104	77.61	9
	EEE	64	48	75	3
	IT	45	32	71	5
	MECH	137	101	73.72	1
	ME-CS	33	30	88.23	5
	ME-CSE	35	35	100	2
	ME-PED	17	16	94.11	-
	ME-ES	Currently pursuing II Year			
	ME-CAD/CAM	10	5	50	-
	MCA	88	81	92	7
	MBA	66	21	32	-
2012	AERO	Currently pursuing IV Year			
	BME	68	55	81.5	3
	CIVIL	67	64	95.22	2
	CSE	100	84	84.00	4
	ECE	144	118	79.16	6
	EEE	70	50	71.42	-
	IT	65	50	76.92	2
	MECH	107	95	88.78	5
	ME-CS	35	32	91.42	1
	ME-CSE	33	33	100	3
	ME-PED	Currently pursuing II Year			
	ME-ES	Currently pursuing I Year			
	ME-CAD/CAM	Currently pursuing II Year			
	MCA	82	80	98.7	5
	MBA	76	44	58	-
2011	AERO	Currently pursuing III Year			
	BME	57	50	89	2
	CSE	63	63	100	3
	ECE	130	121	93.07	2
	EEE	65	55	84.61	1
	IT	63	52	82.53	1
	MECH	65	51	78.46	-
	ME-CS	18	17	94.4	2
	ME-CSE	18	18	100	-

Year of passing	Programme	No. of students appeared	No. of students passed	Pass percentage	University ranks
2011	MCA	64	63	98	8
	MBA	117	102	87	-
2010	AERO	-	-	-	-
	BME	34	27	79.4	
	CSE	63	60	95.24	-
	ECE	100	87	79	-
	EEE	94	67	71.27	-
	IT	65	54	83.07	-
	MECH	64	48	75	-
	ME-CS	11	11	100	1
	ME-CSE	5	5	100	1
	MCA	120	119	99	5
	MBA	110	102	93	-

Result Analysis for past four years:

Year	Percentage
2012-2013	76%
2011-2012	83%
2010-2011	86%
2009-2010	84%

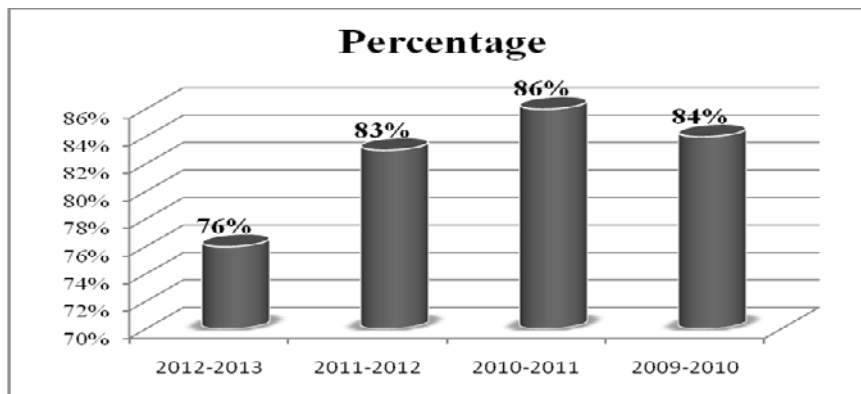


Figure 2.2. Result Analysis

2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

- ❖ The institute aims at helping students to reach their potential through the provision of a supportive, vibrant and challenging learning environment. Accordingly the curriculum, teaching, learning and assessment process are student-centric.

- ❖ The college has framed academic committees that aim at enhancing the quality of learning, teaching and assessment in the Institute by providing academic leadership for the sustained growth of superiority in academic practice.
- ❖ The college is committed in creating surroundings, where students are supported to achieve their potential and then working towards creating a comprehensive knowledge community.
- ❖ Students are active partners with shared responsibilities for their own learning and attainment. This strategy recognizes the need to develop progressively self- directed and confident learners with the knowledge, skills, attitudes and values, which improve their employability and progressing opportunities

2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students) of the courses offered?

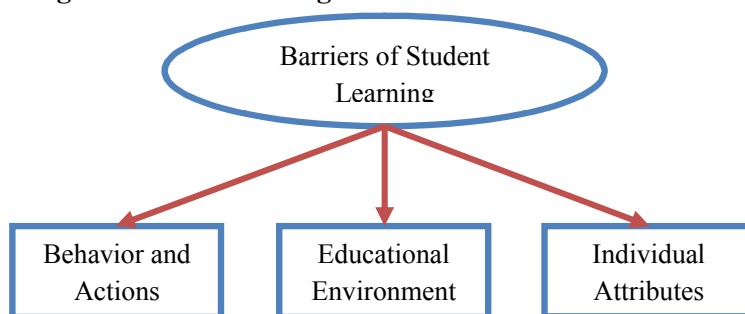
- ❖ The institution has structured committees like HRD Cell, R&D Committee, Cultural committee, Mentor committee etc. to help students to undertake social and economic responsibilities and attain great achievements in them.
- ❖ The students are motivated through personality development programmes. Students are encouraged to participate in activities for social and community service. This is taken up by NSS, NCC, and YRC. The college has made dedicated efforts to impart quality education and generate new knowledge through research and development activities.
- ❖ The Entrepreneurship Development Cell (EDC) provides all needed information and motivate the students with interest to become an entrepreneur.

2.6.5 How does the institution collect and analyze data on student learning outcomes and use it for planning and overcoming barriers of learning?

Data collected from

- ❖ Result analysis
- ❖ Student feedback
- ❖ Alumni survey
- ❖ Employer survey

Overcoming barriers of learning



- ❖ Providing some open ended challenges at the end of each lecture that link the theoretical material that cover to the real world of engineering so the students easily pick up at the start of the next class.
- ❖ Institution allows the students on audience response system. This technique often makes use of concepts to check students understanding.
- ❖ Providing question bank with answers and study material are provided for each subjects.

2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?

There are four levels; i) Class level, ii) Departmental level
iii) College level, iv) Stakeholder level.

- ❖ Class in charge and faculty plays an important role in overall achievement of courses through continuous encouragement and assessing them in the modular form of the syllabus.
- ❖ The second level of progress is through the reviewing of outcomes of the programme and giving the feed back to the faculty for better academic results and convey to the students through motivational methods.
- ❖ The Academic Affairs Committee strictly evaluates the outcomes of courses and confirms that they do not deviate from the vision and mission of the institution. Various facilities are provided to faculty and student community to achieve the overall result.
- ❖ The stakeholder provides feedback to the Academic Affairs Committee to analyze the learning outcomes of each programme. The stakeholder holds a prominent position in improving the quality of the education.

2.6.7 Does the institution and individual teachers use assessment/evaluation as an indicator for evaluating student performance, achievement of learning objectives and planning? If “yes” provide details on the process and cite a few examples.

YES; the institution uses assessment and evaluation both as an indicator for evaluating students' performance. Performance indicators are a means to focus on specific expectations of a programme. They facilitate the curriculum delivery strategies and assessment procedures. It is decided on student outcomes. The difference between student outcomes and performance indicators is that student outcomes are intended to provide general information about the focus on student learning and are broadly stated of the outcome not measurable, while indicators are concrete measurable outcome. Performances of students must meet the target of indicators of achievement. Indicators are developed from programme outcomes.

Example:

Student outcomes

- ❖ To work effectively as a member of a team

- ❖ To solve technical problems
- ❖ To become lifelong learners
- ❖ To develop soft skills ability

Micro level indicators

- ❖ Course based exam
- ❖ Assignment, Paper presentation and Projects
- ❖ Alumni survey

Indicators: Knowledge, Comprehension, Research etc.

Indicators	Definition
Knowledge	Remembering previously learnt information
Comprehension	Grasping the meaning of information
Application	Apply knowledge to actual situations
Responding	Active participation
Receiving	Listening to discussions on debatable issues
Synthesis	Problem solving
Discriminate	Too many different solutions
Demonstrate	Display your own ideas

Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

To make a student centric learning, the institution adopts the following best practices in respect of teaching, learning and evaluation process:

- ❖ The institution is achieving its goals and objectives through well chalked out academic calendar which is distributed well before the commencement of the academic sessions to the students and teachers.
- ❖ Complete transparency in admission, evaluation, faculty recruitment and administration.
- ❖ Appointment of class in charge for continuous monitoring and assessment.
- ❖ Lecture delivering method is supplemented by the ICT.
- ❖ Organizing seminars, workshops, industrial visits.
- ❖ Well qualified and experienced teachers.
- ❖ Carry out periodic class tutorials and take home assignments.
- ❖ Plan revision lectures.
- ❖ Organizing guest lectures by experts from national and international universities/institutions.
- ❖ Encouraging advanced learners to participate in various curricular and co-curricular activities.
- ❖ Arranging extra coaching classes for slow learners.
- ❖ Providing academic counseling by counselors.
- ❖ Faculty members are evaluated regularly in every subject by students.
- ❖ Continuous evaluation enables effective performance of the student.
- ❖ Students undergo field work / industrial training in partial fulfillment of the curriculum which helps them to understand the practical application of their education to real world scenarios.

Criterion III: Research, Consultancy and Extension**3.1 Promotion of Research****3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?**

We have applied for *research center* under Anna University, Chennai.

3.1.2 Does the Institution have a research committee monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Yes; a dedicated team of Research and Development committee headed by Dr.C.Natarajan to monitor the research activities among faculty and students. The composition of the Research and Development committee are listed below.

S. No	Faculty members	Designation	Department
1	Dr.C.Natarajan, Principal.	Convener	Mechanical Engineering.
2	Dr.S.Thayumanavan, Advisor.	Member	Civil Engineering.
3	Prof.S.NandhaKumar, Vice-Principal.	Member	Computer Science and Engineering.
4	Dr.K.Ashok.	Member	Aeronautical Engineering.
5	Prof.C.Narayanan.	Member	Biomedical Engineering.
6	Dr.S.Gowri, Director.	Member	Mechanical Engineering, Anna University, Chennai.
7	Dr.N.Senthil Kumar, Dean.	Member	Mechanical Engineering Anna University, Chennai-Regional office, Trichirapalli(BIT campus).
8	Dr.B.Ramadoss	Member	Computer Science and Engineering, National Institute of Technology, Trichirapalli.

S.no	Faculty members	Designation	Department
9	Dr.C.Sathya Narayan.	Member	Mechanical Engineering, National Institute of Technology, Trichirapalli.
10	Dr.Bala Singh Moses.	Member	Electrical and Electronics Engineering, Anna University, Chennai-Regional office, Trichirapalli(BIT Campus).

Recommendations of the Research and Development committee are to:

- ❖ Motivate the entire faculty to register for Ph.D and carry on active research work.
- ❖ Recommend the institution to provide seed money for faculty to do active research.
- ❖ Encourage all the faculty and students to attend more number of Symposia/Seminars/Conferences/Workshops/FDPs.
- ❖ Improve the number of research publications.
- ❖ Submit sponsored research proposals.
- ❖ Recommend the institution to allot fund for student research.
- ❖ Recommend the institution to publish its own research journal.

Impact of the Research and Development committee:

- ❖ The number of publications by the faculty member in national/international journals and conferences are on the rise.
- ❖ Participation of students in seminars/conferences and technical events will show an upward trend in upcoming year.
- ❖ Faculty strive to acquire fund from different agencies.
- ❖ Symposia/seminars/conferences/workshops are organized in increasing numbers.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/projects?

- ❖ **autonomy to the principal investigator** : YES
- ❖ **timely availability or release of resources** : YES
- ❖ **adequate infrastructure and human resources available** : YES
- ❖ **time-off, reduced teaching load, special leave etc. to teachers** : YES
- ❖ **support in terms of technology and information needs** : YES
- ❖ **facilitate timely auditing and submission of utilization certificate to the funding authorities** : YES

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

To develop scientific temper, research culture and aptitude among the students and to understand the basic needs of the current trend, the institution has taken the following efforts.

- ❖ Students are encouraged to ask/pose questions during lectures.
- ❖ Apart from regular assignments and mini-projects, faculty pose thought-provoking assignments/problems to the students.
- ❖ Faculty make the students to involve in research activities. A student forms part of research work along with the faculty.
- ❖ Awards are given to the students who accomplished best project.
- ❖ Motivate the students to present the research papers in national /international conferences and journals and to participate in inter/intra college symposia, workshops and seminars organized.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.)

Faculty members are encouraged in pursuing their research work and publishing their findings in journals. The papers have been published by the staff of various departments in national and international journals / conferences.

Guiding student research: Almost all the faculty are guiding the students for their research activities. Some of them are listed below.

1. Dr.C.Natarajan, Mechanical Engineering.
2. Dr.S.Thayumanavan, Civil Engineering.
3. Dr.K.Ashok, Aeronautical Engineering.
4. Dr.A.Ramachandran, Civil Engineering.
5. Dr.P.K.Prakasha, Computer Science and Engineering.
6. Dr.C.Sureshkumar, Computer Science and Engineering.
7. Dr.A.V.Prathap Kumar, Electronics and Communication Engineering.
8. Dr.K.V.S.S.S.S.Sairam, Electronics and Communication Engineering.
9. Dr.V.Thirumurthulu, Electronics and Communication Engineering.
10. Dr.P.Ravi Babu, Electrical and Electronics Engineering.
11. Dr.K.Srinivasan, Electrical and Electronics Engineering.
12. Dr.K.Soundararajan, Master of Business Administration.

Leading Research Projects:

The students are encouraged to engage in the research activities under the guidance of the faculty and help them to select appropriate research area for their interest.

S. No.	Faculty name and Department	Leading Research Project
1	Dr.K.Ashok, Aeronautical Engineering.	Flow transition in catheterized artery.
2	Dr.P.K.Prakasha, Computer Science and Engineering.	Ad hoc wireless network computing.
3	Dr.C.Sureshkumar, Computer Science and Engineering.	Handwritten tamil character recognition using neural network.
4	Dr.A.V.Prathap Kumar, Electronics and Communication Engineering.	Vibration powered generators and power processing circuits for energy harvesting.
5	Dr.V.Thirumurthulu, Electronics and Communication Engineering.	Analysis of non-coherent receiver for joint time recovery and data detection in DS-CDMA systems.
6	Dr.P.Ravi Babu, Electrical and Electronics Engineering.	Application of innovative demand side management techniques to power systems for load management.
7.	Dr.K.Srinivasan, Electrical and Electronics Engineering.	Performance analysis of a reduced switch z-source inverter fed induction motor drive.
8.	Dr.K.Soundararajan, Master of Business Administration.	Evaluation of stock market volatility and seasonality effect in Bombay Stock Exchange and National Stock

Individual Research Activities:

Faculty members in the institute are actively engaged in research in their respective domains.

S. No.	Faculty name and department	Research activity
1	Mr. C. Narayanan, Biomedical Engineering.	Automatic analysis and feature extraction from angiogram.

S. No.	Faculty name and department	Research activity
2	Mrs. Hemalatha Karnan, Biomedical Engineering.	Mathematical modeling of cardio – pulmonary system.
3	Mr.S.Nandhakumar, Computer Science and Engineering.	Security challenges in mobile ad hoc network.
4	Mrs.J.Sasi Devi, Computer Science and Engineering.	NICE: Network intrusion detection and countermeasure selection in virtual network systems.
5	Mr.R.Raja, Computer Science and Engineering.	Intelligent techniques for mobile ad hoc network.
6	Mr.T.Ganesh, Computer Science and Engineering.	Spatial database.
7	Mrs.P.Shanmuga Priya, Computer Science and Engineering.	Efficient and secure top-k retrieval over encrypted cloud data.
8	Mr.R.Gopi, Computer Science and Engineering.	Wireless vehicular ad hoc network to control traffic safety.
9	Mr.G.Raja, Computer Science and Engineering.	Detection of node replication attacks in mobile sensor networks.
10	Mr.N.Ramkumar, Electronics and Communication Engineering.	Corrosion detection in sending of oil pipelines using DAQ.
11	Mrs.P.Rajeswari, Electronics and Communication Engineering.	Secure and efficient multi platform content management and sharing technique for smart phone in social network.
12	Mr.T.A.Ananth, Electronics and Communication Engineering.	Secured communication in smart grid network.
13	Mrs.M.Parameswari, Electronics and Communication Engineering.	Solar powered water quality monitoring system using wireless sensor network.
14	Mr.S.Gobi Mohan, Electrical and Electronics Engineering.	Control and instrumentation.
15	Mrs.S.Jayanthi, Electrical and Electronics Engineering.	Renewable energy sources.
16	Mr.K.Anbarasan, Electrical and Electronics Engineering.	Control and instrumentation.
17	Mr.G.K.Moorthy, Electrical and Electronics Engineering	Power system analysis.

S. No.	Faculty name and department	Research activity
18	Mr.K.Gobi, Electrical and Electronics Engineering.	Multisource converter.
19	Mr.A.Mohammed Imran, Electrical and Electronics Engineering.	Power systems.
20	Mr.S.Selvakumar, Information Technology.	Intrusion detection in wireless network.
21	Mrs.R.Revathi, Information Technology.	Image processing - efficient algorithm to remove artifacts from digital images.
22	Mr.R.Selvakumar, Information Technology.	Efficient mobile robotic networks for emergency surveillance and rescue system.
23	Mr.K.Venkatakrishna Raju, Master of Business Administration.	Micro finance.
24	Mr.A.Manimaran, Master of Computer Applications.	Security in cloud computing.
25	Mr.V.Raju, Master of Computer Applications.	Data mining – Fuzzy logic approach for web search personalization.
26	Mr.R.J.Ramesh Kumar, Mathematics.	Mathematical model for secretion of human stress.
27	Mr.J.John Stephen, Mathematics.	Vertex labeling of cycle graph.
28	Mr.K.Balamurugan, Mathematics.	Mathematical modeling in human hormone.
29	Mr.A.Dinesh Kumar, Mathematics.	Mathematical model for secretion of hormone.
30	Mr.M.Govindharajan, Physics.	Mass transfer diffusion studies in environmental water pollution.
31	Mr.A.Ravi kumar, Physics.	Thin film and nano technology.
32	Mr.S.Rajive Gandhi, Physics.	
33	Mr.J.Manivel, Chemistry.	Bioinorganic chemistry.

3.1.6 Give details of workshops/ training programmes/ sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

The Institution has organized the following workshops and training programs to build research culture among the staff and students.

Academic year	Details of Seminars / workshops / training programmes		Resource Person
	Event	Title	
2011-2012	Workshop	Research inspired from nature	Dr.S.Thayumanavan, Advisor, Dhanalakshmi Srinivasan Engineering College, Perambalur.
2012-2013	Workshop	Research Methodology	Dr.K.Elangovan, Principal, Srinivasan Engineering College, Perambalur.
	Training Programme	Research Tools: Matlab and Mathematica	Dr.K.Ashok, Research Scholar, Indian Institute of Technology, Kanpur.
2013-2014	Workshop	How to write a scientific Journal/Report	Dr.K.Soundararajan, HoD/Master of Business Administration, Dhanalakshmi Srinivasan Engineering College, Perambalur.
	Training Programme	Latex Tutorial	Dr.K.Ashok, HoD /Aeronautical Engineering, Dhanalakshmi Srinivasan Engineering College, Perambalur.
	Workshop	Role of mathematics in Research	Dr.K.Ashok, HoD /Aeronautical Engineering, Dhanalakshmi Srinivasan Engineering College, Perambalur.

3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

The Institution has well qualified faculty experts in various domains. The prioritized research areas of the institution are listed below.

S. No.	Prioritized research areas	Experts & Department
1.	Aerodynamics flow analysis of non-planar wings.	Dr.K.Ashok, Mr.R.Muruganantham, Aeronautical Engineering.

S. No.	Prioritized research areas	Experts & Department
2.	Photo-elastic analysis of various joints.	Mr.S.Saran Kumar, Aeronautical Engineering.
3.	Automated external defibrillator using embedded system	Mr. C. Narayanan, Biomedical Engineering.
4.	Pattern reorganization based organic cell classifier.	Mrs. Hemalatha Karnan, Biomedical Engineering.
5.	Geology – Geochemistry and sedimentological studies of cretaceous formation.	Dr.A.Ramachandran, Civil Engineering.
6.	Geology - Depositional environment of carbonate rocks.	Dr.A.Ramachandran, Civil Engineering.
7.	Security issues in mobile ad hoc networks.	Prof.S.Nandha kumar, Mr.R.Raja, Mr.R.Gopi, Mr.G.Raja, Computer Science and Engineering.
8.	Cloud computing - Network intrusion detection and countermeasure selection in virtual network systems.	Mrs.J.Sasi Devi, Mrs.P.Shanmuga priya, Computer Science and Engineering.
9.	Optical communication.	Mr.K.V.S.S.S.S.Sairam, Electronics and Communication Engineering.
10.	Microwave and RADAR.	Mr.A.V.Prathapkumar, Electronics and Communication Engineering.
11.	Power system voltage stability and load shedding.	Dr.P.Ravibabu, Electrical and Electronics Engineering.
12.	Applications of power electronics in generation of electrical energy, renewable energy systems.	Mrs.S.Jayanthi, Electrical and Electronics Engineering.

S. No.	Prioritized research areas	Experts & Department
13.	Intrusion detection on wireless network, WSN home monitoring.	Prof.S.Selvakumar, Mr.R.Selvakumar, Information Technology.
14.	Entropy based detection of DDoS attacks on the networks.	Mr.J.Britto Dennis, Ms.S.Sivagami, Information Technology.
15.	HR – Industrial relations.	Mr.K.Venkata Krishna Raju, Master of Business Administration.
16.	Marketing – Green marketing.	Mr.S.Joesp bhanayana, Master of Business Administration.
17.	Security in cloud computing.	Mr.A.Manimaran, Master of Computer Applications.
18.	Data mining – Fuzzy logic approach for web search personalization.	Mr.V.Raju, Master of Computer Applications.
19.	Structural analysis of hybrid polymer based composite material, design and fabrication of semi-automatic clay brick making.	Mr.S.Karpagarajan, Mr. R.Thirugnana sambantham, Mechanical Engineering.
20.	Fabrication of wind lenses turbine, fabrication of composite leaf spring.	Mr.S.Ravichandran, Mr. J.Arun Prasad, Mechanical Engineering.
21.	Dielectric studies of f-block metal oxides for nano capacitor applications.	Mr.S.Rajive Gandhi, Science and Humanities.
22.	Mass transfer diffusion studies in environmental water pollution.	Mr.M.Govindarajan, Science and Humanities.

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

- ❖ Conferences, seminars and workshops are organized with invited speakers from IITs, NITs, research organizations and industries. Those experts share their knowledge with faculty and students.
- ❖ The faculty members are encouraged to work together with eminent researchers for research activities.

- ❖ The institution has also signed many MoUs.
- ❖ For example, Dr.Akthar Kalam, Melbourne University, visited the institution.

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

Approximately 2% of the faculty has utilized Sabbatical Leave for research activities. This kind of provision aids them for an active involvement in their research activities which in turn improve the research forum in the institution. Their knowledge is imbibed by our students which build the research activity.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land).

- ❖ The awareness about the latest development and important findings of the research is disseminated to the students and faculty through seminars and workshops.
- ❖ For example, Dr.K.Ashok (Aeronautical Engineering), Mr.R.J.Ramesh Kumar (Mathematics) and Prof.C.Narayanan (Biomedical Engineering) have delivered lecture based on their research findings.

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

- ❖ In the beginning of every academic year nearly 10% of the total budget is planned for research activity.
- ❖ The major heads of expenditure of research are on the purchase of advanced equipments, books, journals and also for organizing workshops, training programmes, seminars and conferences.
- ❖ Faculty are provided with registration charges, travel expenditures and incentives for their publications in reputed journals.

Year	Books, Journals		Laboratory		Seminar/ conferences	
	Allotted	Spent	Allotted	Spent	Allotted	Spent
2010-11	3%	2.65%	5%	4.54%	2%	1.62%
2011-12	3%	2.83%	5%	4.72%	2%	1.84%
2012-13	3%	2.90%	5%	4.89%	2%	1.89%
2013-14	3%	2.95%	5%	4.93%	2%	1.94%

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the

percentage of the faculty that has availed the facility in the last four years?

The institution is planning to provide seed money to the faculty for their research activity.

3.2.3 What are the financial provisions made available to support student research projects by students?

The institution is planning to make financial provision to students for their research projects.

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

The institution encourages inter-disciplinary research activities.

- ❖ The institution has a Research and Development Committee which comprises of experts from various departments and it serve as the platform for research discussions. The institution encourages inter-disciplinary research activities. The faculty interacts with the committee in undertaking inter-disciplinary research.
- ❖ For example, Dr.K.Ashok (Aeronautical Engineering), Mr.R.J.Ramesh Kumar (Mathematics) and Prof.C.Narayanan (Biomedical Engineering) in the area Mathematical model for blood flow behavior in catheterized artery: unsteady case is in progress.

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

The facilities and lab equipments of all departments are kept open to all the students/faculty of other departments. Access to equipments is provided on interdepartmental requirements. This is monitored by a staff member. The institution ensures that the maximum utilization of various equipments and facilities through maintaining the following,

- ❖ Login registers.
- ❖ Equipment utilization registers.
- ❖ Wi-Fi access registers.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.

Yes; the institution received the following grants.

S. No.	Funding agency	Grants received in Rs.	Name of the program
1.	AICTE - MODROB	5,00,000	Modernization of communication lab.

S. No.	Funding agency	Grants received in Rs.	Name of the program
2.	AICTE-MODROB	12,50,000	Establishment of real time embedded system and applications laboratory with additional testing facility.
3.	AICTE – SG	40,000	National Conference on Emerging Trends in Communication.
4.	AICTE - SDP	1,00,000	Design and erection of substations using modern simulation tools.

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

So far we had completed many projects. Here we listed only ongoing projects.

Nature of the project	Duration year from to	Title of the project	Name of the funding agency	Total grant		Total grant received till date	Status of the project
				Sanc-tioned	Received		
Industry	2013-till date	Blood flow behavior in catheterized artery: unsteady case	Dhanalakshmi Srinivasan medical college and hospital, Perambalur.	45,000	45,000	45,000	On going
		Automated external defibrillator using embedded system	Dhanalakshmi Srinivasan medical college and hospital, Perambalur.	1,05,670	1,05,670	1,05,670	On going
		Automatic generation of monthly income in transport management	Sri Devi Transport, Bangalore.	1,00,000	1,00,000	1,00,000	On going

Nature of the project	Duration year from to	Title of the project	Name of the funding agency	Total grant		Total grant received till date	Status of the project
				Sanctioned	Received		
Industry	2013-till date	Development of educational content and associated repository of web services	Dhanalakshmi Srinivasan Matric. Hr.Sec School, Perambalur.	32,000	32,000	32,000	On going
		Pneumatic punching machine	Venmani Industries, Samayapuram, Trichy.	36,000	36,000	36,000	On going
		Dynamic modeling of wind and photovoltaic energy conversion system	Dhanalakshmi Srinivasan Group of Educational Trust.	6,00,000	6,00,000	6,00,000	Ongoing
		Depositional Environment of carbonate rocks in Ariyalur area	Dalmia Bharath Group (Dalmia Cement) Ariyalur.	2,00,000	2,00,000	2,00,000	Ongoing
		Automatic Bell Announcement System	Srinivasan Polytechnic College Perambalur.	15000	15000	15000	Ongoing
		Women Empowerment	Rotract Club Perambalur.	17,500	17,500	17,500	Ongoing
		Payroll Processing	Dhanalakshmi Srinivasan Chit fund Private Ltd.	1,00,000	1,00,000	1,00,000	Ongoing

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

- ❖ The library is enriched with wide range of books, journals, e-journals, DELNET services and databases such as NPTEL (National Programme on Technology Enhanced Learning).
- ❖ OPAC (Online Public Access Catalogue) is provided to the users through NIRMALS library software.
- ❖ It has a separate photocopy machine where the students and research scholars are permitted to copy necessary material at a nominal cost.
- ❖ If the demanded books are not available in the library, the same is arranged to our readers through our sister institutions with the help of inter-library loan services by DELNET and British Council.
- ❖ Internet connectivity and Wi-Fi facility at the speed of 16 Mbps is also available for the students and faculty to enable them to review their academic as well as their research programs.
- ❖ Adjustment in teaching schedules, if necessary.
- ❖ Huge number of equipment is available for the faculty and students to do their research work. Some of them are given below.
CDMA Trainer Kit, Antenna trainer kit, Mentor software, LAN Trainer Kit, NI ELVIS II Basic Bundle, NI lab View, Bluetooth trainer kit, Benchmark Wi-Comm-T, Benchmark OTDR, Flexural testing machine, Compression testing machine, Low speed wind tunnel, Universal Testing Machine.

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

The Research and Development committee meets regularly to discuss the research needs and the progress made in the research activities of the various departments and also to plan, upgrade and create infrastructural facilities in future as mentioned below.

- ❖ The college is planned to purchase latest equipments for the purpose of research activities.
- ❖ Based on the recommendations of the Research and Development committee, the institution is planning to provide seed money to the faculty and students for their research activity.
- ❖ The institution is planning to apply research centre for all departments.
- ❖ New national and international journals are planned to be subscribed based on the request of the faculty and students.
- ❖ To enrich research facilities, encouragement is given to faculty member for getting fund from agencies like AICTE.
- ❖ Planning to increase internet bandwidth and Wi-Fi connectivity.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If yes, what are the instruments / facilities created during the last four years.

Yes; the following facilities created for the last four years.

- ❖ NI Lab View Department License.
- ❖ NI ELVIS II Basic Bundle.
- ❖ Free scale microcontroller board.
- ❖ NI 9263ch, 16 bit analog O/P Module.
- ❖ NI 9219 24 bit universal analog input module.
- ❖ NI 9401 8 bit bidirectional digital I/O module.
- ❖ PS 15 power supply 230 V / 224 V, ARM 7.
- ❖ ARM - FPGA fusion.
- ❖ Embedded development kit
- ❖ Wireless interface.
- ❖ Wireless interface modules (Bluetooth interface).
- ❖ Digital Trainer Kit (23 Nos.).
- ❖ AFO (7 Nos.).
- ❖ Antenna Trainer Kit (variable).

3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

Some of the facilities made available to the students and research scholars outside the campus are listed below.

- ❖ Instruments/Equipments at Hospital and Research Institutes at Dhanalaksmi Srinivasan Medical College and Hospital are made available to the faculty by MoU.
- ❖ UG students are always encouraged to do their project work at Research organizations and industries.
- ❖ Research scholars whose supervisors are in other institutions are allowed to avail the research facilities available in that institution.

3.3.5 Provide details on the library/ information resource centre or any other facilities available specifically for the researchers?

The college has an information resource centers (library, digital library) to provide the needs of researchers. The facilities are:

- ❖ A central library and every department have a departmental library, all of which are well stacked with books and journals on state of the art technologies and new frontiers of research. Books are regularly procured for the libraries and e-journals are subscribed regularly.
- ❖ High performance computers with internet facility are provided in the library.
- ❖ A dedicated digital library is provided for student and faculty.

Library holdings	2010-2011	2011-2012	2012-2013	2013-2014
	Quantity in numbers			
Text books	3226	3654	3865	3940
Journals / Periodicals	130	131	134	145
e-resources	1214	2262	2262	2262

3.3.6 What are the collaborative research facilities developed/created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.

Efforts are being made to create collaborative research facilities in the college campus. The following infrastructure exists in the college, which can be utilized effectively by the faculty and students from time to time.

1. All the Laboratories,
2. Library and e-Library,
3. Computers.

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

- ❖ **Patents obtained and filed (process and product):** NIL
- ❖ **Original research contributing to product improvement:** NIL
- ❖ **Research studies or surveys benefiting the community or improving the services**
To know the computer literacy in nearby villages survey on “Computer Literacy” conducted.
- ❖ **Research inputs contributing to new initiatives and social development-** NIL

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If ‘yes’, indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

The journal named “ENIGMA” published by Dhanalakshmi Srinivasan College of Arts and Science for Women cater to the publications of our group of institutions.

3.4.3 Give details of publications by the faculty and students:

Publication per faculty (Total number of publications in journals and conferences / Total number of faculty)	2 (approximately).
Number of papers published by faculty and students in peer reviewed journals (national / international)	72
Number of publications listed in International Database (for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	Nil

Monographs	5
Chapter in Books	1
Books Edited	15
Books with ISBN/ISSN numbers with details of publishers	13
Citation Index	Refer Evaluative Report of the Department
SNIP	
SJR	
Impact factor	
h-index	

3.4.4 Provide details (if any) of

*research awards received by the faculty

Dr.P.Thiruvallarselvan received gold medal for the best research article in the field of electronics and communication engineering on 27th Indian Engineering Congress held in New Delhi from S.S. Rathore, president of the Institution of Engineer (India).

*recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally

Most of the faculty of this institution has membership with various professional bodies like

- ❖ Members of editorial board for the proceedings of the conference on “Latest trends on aerospace engineering”, 2014.
- ❖ Biomedical Engineering Society of India.
- ❖ Appellate Authority Tamil Nadu Pollution Control Government of Tamil Nadu.
- ❖ Tamil Classical Language Committee on Irrigation Water Management.
- ❖ Technical Tamil Writing of books Tamil University, Thanjavur.
- ❖ Indian Water Resources Society.
- ❖ Indian Society for Technical Education.
- ❖ Indian Society for Remote Sensing.
- ❖ Institution of Engineers, India.
- ❖ Academic Council Member of Anna University, Chennai.
- ❖ Academic Council Member of Anna University, Trichy.
- ❖ Board of Studies in Civil Engineering University of Bombay.
- ❖ Board of Studies in Civil Engineering University of Goa.
- ❖ Board of Studies in Civil Engineering Anna University, Chennai.
- ❖ Board of Studies in Civil Engineering Anna University, Trichy.
- ❖ Board of Studies in Civil Engineering Periyar Maniammai University, Vallam Thanjavur.

- ❖ Board of Governance Board of Apprenticeship Training, Western Zone Bombay.
- ❖ Member of UGC Syllabus Framing Committee Environmental Science.
- ❖ Tamil Nadu Association of Geologist.
- ❖ Indian Society for Technical Education.
- ❖ Computer Society of India.
- ❖ American Society of Material Science.
- ❖ International Association of Computer Science and Information Technology, Universal Association of Computer and Electronics Engineers.
- ❖ Member of the Institute of Electrical and Electronics.
- ❖ International Society for Optics and Photonics.
- ❖ IEEE Reviewer.
- ❖ IEEE Editorial member.
- ❖ Society of Automotive Engineers.
- ❖ Institution of Electronics and Telecommunication Engineers.
- ❖ International Association for Engineering and Management Education.
- ❖ International Association of Engineers.

***incentives given to faculty for receiving state, national and international recognitions for research contributions -NIL**

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

Institute-Industry Interface Cell (IIIC) of the institution and Human Resource and Development Cell are jointly engaged to promote institute-industry interface through the following activities.

- ❖ Campus recruitment drive.
- ❖ Organizing summer internships (Inplant training).
- ❖ Alumni meet.
- ❖ Guest lecture.
- ❖ Industrial visits.
- ❖ Consultancy projects.

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

The consultancy policy of the institution is “Transforming knowledge and skill to the welfare of the society/industry”.

- ❖ The institution encourages faculty to take consultancy project and research assignment by the approval of the Principal.
- ❖ Major areas of expertise are advertised through the college website.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

The following supports are provided to carry out the consultancy services.

- ❖ Adequate infrastructure and human resources.
- ❖ Reduced teaching load and special leave etc. to expert.

3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

Major consultancy services:

- ❖ Awareness programs on Right to information (RTI), sound pollution, AIDS, clean and green environment programs and pollution control programs are organized.
- ❖ Technical programs like short term computer training courses, aerial reforestation method (seed balls dropped from Remote Control plane to land), computer hardware training courses, CAD training courses, and demonstration classes on refrigeration and air conditioning system are organized.
- ❖ Organized various camps like Bio medical camp and Blood donation camp.

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

As far as possible, the institution encourages consultancy (free of cost) that benefits the surrounding rural stake holders. However, the sharing policy of the institution for the income generated through consultancy is 60:40 (staff involved:Institution).

3.6 Extension Activities and Institutional Social Responsibility (ISR)**3.6.1 How does the institution promote institution-neighbourhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?**

To make the students to learn good values and responsibilities required for good citizenship, service orientation and holistic development, the institution develop institution-neighbourhood-community network.

- ❖ The institution has adopted Government schools from Padalur, Siruvachur, and Alampadi and organized coaching classes on Computer, Physics, Chemistry and Mathematics.
- ❖ Aerial reforestation method is demonstrated (seed balls dropped from Remote Control plane to land).

- ❖ Biomedical camp (Blood & health checkup).
- ❖ Construction practice workshop for masons.
- ❖ Computer awareness programmes organized in rural area students.
- ❖ Fire and Safety awareness program.
- ❖ National Voter's Day conducted by NCC students of the college.
- ❖ Celebrating Flag Day by fund raising and collection to help Orphanages.
- ❖ Eradication of child labour awareness Program is conducted for the welfare of the public.
- ❖ Conducted awareness programme towards the drug addicts.

3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

- ❖ Institution has college level coordinator and every department has a corresponding coordinator who is responsible for coordinating such activity and record the student achievement.
- ❖ The information about social activities is disseminated on the college notice board and circulars.
- ❖ Certificate of participation is given to the participant.

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

The Institute solicits both internal and external stakeholder's perception on the overall performance and quality of the institute.

- ❖ Suggestion/complaint box is placed at various places on the campus which are accessible to the students and faculty.
- ❖ The HoD-Staff meetings are conducted regularly to keep the staff updated about changes and development of the institute.
- ❖ Parent-Teachers meeting are regularly conducted to know about academic performance of their wards and to provide suggestions to improve the overall performance.
- ❖ The institution periodically conducts the alumni association and seeks their suggestions for quality improvements.
- ❖ The external stakeholder's are invited to visit the campus and interact with the faculty to obtain necessary information on the overall performance and quality of institution.

3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

Every year the institution has planned and organizing several outreach programmes which is directly associated with student's academic, social relationship, cultural, community services and moral values.

Year	NSS	NCC
2011-2012	45,000	-
2012-2013	45,000	62,675
2013-2014	45,000	96,500

Major extension and outreach programmes

- ❖ Blood donation camp.
- ❖ Consumer awareness.
- ❖ Law and traffic awareness.
- ❖ Medical and veterinary camp.
- ❖ Rally for save water and environmental pollution.
- ❖ Rally for national voter's day.
- ❖ Right to Information Act.

Such outreach programmes have been found to improve the moral, ethical values and the leadership qualities of the students while doing different social and cultural activities.

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

- ❖ The college organizes society-friendly programmes as part of its extension activities. Students and faculty participate in extension activities of NSS and NCC.
- ❖ The information about the social activities is disseminated on the college notice board and circulars.
- ❖ The institution is providing incentives for faculty and students who are recognized for their assessment, by providing certificates, awards and cash rewards.

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

- ❖ The NSS unit has organized special camps to visit various villages like Kurur, Alampadi and Kalpadi. Social survey is also carried out by the student volunteers.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

Extension activities complement student's academic learning experience and inculcated the values and skills. It gives the following values

- ❖ Building Leadership qualities.
- ❖ Social service to the rural people.

- ❖ Ecology and environmental protection.
- ❖ Handling issues with self confidence.
- ❖ Having the knowledge to solve the community problems.
- ❖ Developing interpersonal skills, self-employment and entrepreneurial skills and managerial skills.

Expected Outcomes

- ❖ Easy to decide their role in the society.
- ❖ Help them to build themselves.
- ❖ Improve their confidence level.
- ❖ Having a Positive attitude.
- ❖ Group Attitude.

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

- ❖ The Institute does the survey of the society needs and accordingly plans these activities. The college also provides special permissions for students/teachers to execute these activities.
- ❖ The Institution is focusing to promote awareness towards various programmes. These external activities are scheduled and executed with the village chairman in collaboration with the village community.

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

The institution has forged constructive relationship with the following institution/organization to carry outreach and extension activities.

- ❖ Dhanalakshmi Srinivasan Medical College.
- ❖ Lions Club, Perambalur.
- ❖ Rotary club, Perambalur.

3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

The institution had received the following credits for extension activities

- ❖ Blood Donation Camp Appreciation Certificate was received from Tamilnadu state AIDS control society and Tamilnadu state blood transfusion council.
- ❖ 5 cadets are awarded the certificate of honor with sincere appreciation for their voluntary blood donation camp held at periyar Maniammai University.

- ❖ Lt.S.Jayanthi, Associate professor have completed the PRCN training course association NCC officers at officer training academy Gwalior from 12th August to 9th November 2013 and conferred the rank of Lieutenant.
- ❖ 4 (TN) girls Bn NCC has conducted “B” Certificate examination held on 23.02.2013 in which 3 cadets got “A” grade, 18 cadets got “B” grade and 2 cadets got “C” grade.

3.7 Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

- ❖ The institute organizes various interactive sessions like seminars, workshops, symposiums with experts from industry to create research interest.
- ❖ The college has signed MoUs with industry to increase Industry-institute interaction.
- ❖ Faculty members visit the industry and interact with the experts for their research activities.
- ❖ The students also interact with experts during in-plant training and industrial visits.
- ❖ Faculty members have chance to work with experts during their sabbatical leave.

Benefits

- ❖ Internship and some of the projects done in collaboration with organizations / companies have inculcated research attitude and motivated them for doing research.
- ❖ Students got exposure to the emerging trends in their respective domain.

3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

The institute has signed MoU with the following companies

- ❖ DSEC-TCS has signed MoU for Campus Connect programme.
- ❖ MoU with Sriram Value for active centre.
- ❖ DSEC has signed MoU with Microsoft IT academy for program member.
- ❖ WIPRO Mission 10X Learning Approach.
- ❖ ICT Academy of Tamilnadu.

Due to the MOUs/collaborations with the industry, the institution has benefitted with the developments in improvement of the training facilities for

students, increased in number of placement, inviting more number of eminent researchers from industry.

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.

Institution interacts with reputed industry for creation/up-gradation of academic facilities/infrastructure facilities. The institution has signed many MoU with the industry.

3.7.4 Highlighting the names of eminent scientists / participants, who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

Eminent scientists visited /participated in the college events for the last four years are listed below.

S. No.	Eminent scientists / professors	Workshops /National conference/International conference
1	Dr. K. Muthumani, Chief scientist and Head of “Advanced Seismic testing and Research Lab”, CSIR-SERC, Taramani, Chennai.	A one day national level technical conference ASEAID.
2	Dr.G. Nagarajan, Professor and head/Electronics and Communication Engineering, Pondicherry Engineering college, Pondicherry.	National level Conference on Emerging Trends In Communication (NCETC’14).
3	Dr.K.Manokaran, Associate Professor, Computer Science and Engineering, Pondicherry Engineering College, Pondicherry.	National level conference.
4	Dr.G.Mohankumar, Professor, Department of Civil and structural Engineering, Annamalai University Chidambaram.	A one day national level technical conference ECPNT.
5	Dr.P.Palanisamy, National Institute of Technology, Tiruchirappalli.	National level Conference on Emerging Trends In Communication (NCETC’13).
6	Dr E.Ilavarasan Associate Professor, Computer Science and Engineering, Pondicherry Engineering College, Pondicherry.	National level conference CATER 13.

S. No.	Eminent scientists / professors	Workshops /National conference/International conference
7	Dr.K.Baskaran, Associate Professor, Government College of Technology, Coimbatore.	National level conference.
8	Dr.D.Sriram Kumar, National Institute of Technology (NIT), Tiruchirappalli.	National Level Conference On Emerging Trends In Communication (NCETC'12).
9	Mr.TM Raguraman, Assistant Vice-Prisedent, MPHASIS Chennai.	National Conference CATER'12.
10	Dr.Elizabeth Caroline, J.J.College of Engineering and Technology, Tiruchirappalli.	International Conference on Engineering, Science and Technology.(ICEST'11)
	Dr.A.Revathi, Saranathan College of Engineering, Tiruchirappalli.	
11	Dr.G.Balakrishnan, Managing Director, Indra Ganesan college of Engineering, Tiruchirappalli.	International Conference on Image processing, wireless networks, MEMS and its applications.
	Dr.N.A.Vasanthi, KCE, Coimbatore.	
	Dr.D.Sriram Kumar, National Institute of Technology, Tiruchirappalli.	
12	Mr.K.Narayanan ITS, General Manager (NW-OPS-CM), BSNL, Cellular Mobile Telecom Service, Tamilnadu Telecom Circle, Tiruchirappalli.	National level Conference on Emerging Trends in Communication (NCETC'11).
	Mr.S.Vinayaka Babu, M.Tech. MBA (IIM-B), Managing Director, Semi Technology India Pvt. Ltd, Bangalore.	
13	Dr.V.Sadasivam, Professor, Manonmaniam Sundaranar University.	National level conference.
14	Dr.G. Nagarajan, Professor and Head, Electronics and Communication Engineering, Pondicherry Engineering college, Pondicherry.	National level Conference on Emerging Trends in Communication (NCETC'10).
	Dr.J.Raja, Anna University Chennai.	
15	Dr.K.Vivekanandhan Professor & Head Pondicherry Engineering College, Pondicherry.	National level conference CATER'09.

S. No.	Eminent scientists / professors	Workshops /National conference/International conference
16	Dr.G.Gunasekaran, Principal, Meenakshi College of Engineering, Chennai.	National level conference CATER'10.

3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated –

a. Curriculum development/enrichment

The institute is affiliated under Anna University Chennai, so there is no scope of change in curriculum as curriculum to be followed is prescribed by affiliating university.

b. Internship/On-the-job training

The institute makes the facilities for arranging inplant training /industrial visit at various industries for the students.

c. Summer placement

During the semester vacation the students are encouraged to visit various companies to develop their technical skills.

d. Faculty exchange and professional development - Nil

e. Research

The institute regularly organizes workshops/seminars/conferences to promote research activities.

f. Consultancy

The college undertakes consultancy works as a service.

g. Extension

The college organizes society-friendly programmes as part of its extension activities. Students and faculty participate in extension activities of NSS and NCC.

h. Publication

The faculty and students published their research work in national/international journals.

i. Student Placement

Year	No.of Students Placed
2010-2011	296
2011-2012	364
2012-2013	499
2013-2014	568

j. Twinning programmes – Nil.

k. Introduction of new courses –Nil.

l. Student exchange – Nil.

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations.

Efforts taken in planning, establishing and implementing the initiatives of the linkages/collaborations are:

- ❖ Inviting eminent personalities from various industries for delivering guest lectures, key note address in conferences, invited speaker in workshops.
- ❖ Conducting joint technical programs and events with other organizations.
- ❖ College enters into MoU arrangements with various establishments mainly to establish the linkages / collaborations related to academic and research activities.

Criterion IV: Infrastructure and Learning Resources**4.1 Physical Facilities:****4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?**

- ❖ The institution abides by the regulations of UGC / AICTE / Anna University in all aspects relating to the creation and enhancement of infrastructure and other facilities.
- ❖ Class rooms and laboratories are well designed to maintain the ambience for an effective teaching and learning process.
- ❖ The college strives to build infrastructure facilities for research activities.
- ❖ The management constantly evaluates the existing facilities and takes steps to improve them.
- ❖ The Governing council of the college takes care of the administrative problems and oversees the maintenance of the college.
- ❖ The institution has OHP and LCD projectors, smart-class rooms, audio-visual rooms, and Wi-Fi as teaching tools for an effective learning method to improve the quality.
- ❖ The institution has IQAC, which regularly promotes infrastructure and learning resources.
- ❖ Feedback on infrastructure is collected from the stakeholders.
- ❖ Realizing the need of the competitive job market, the institute regularly conducts value-added technical courses, skill enhancement programs and enrichment courses, etc.

4.1.2 Detail the facilities available for:

a) Curricular and Co-curricular activities: Classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, animal house, specialized facilities and equipment for teaching, learning and research etc.

Curricular and Co-curricular activities:

The college campus is located in a sprawling area of clean and green ambience and covers 1,01,171.25 m² with a built-in area of 56,350 m², which provides a well balanced and soul enriching campus environment. It also provides the following facilities:

Details of Room Allotment

S.No.	Rooms allotted for:	No. of Rooms
1	Correspondent	02
2	College office	01
3	Principal	01
4	Vice-Principal / Advisor / HRD cell	03
5	HODs & Staff (11) + Network team (1)	12
6	Exam cell	01
7	Library (2-PG-block +2-new block)	04
8	Digital Library	01
9	Class rooms (UG-64+MBA/MCA-10+ME-16)	90
10	Laboratories (24+2-first year block)	26
11	Smart class room	06
12	UPS and power room	03
13	Drawing hall	03
14	Auditorium	01
15	Canteen	02
16	Rest room / toilet	34
17	Health centre room	01
18	Botanical garden	01
19	Workshop (Shed)	05
20	NSS	01
21	NCC	01
22	Physical director	01
23	Common room (boys-1 + girls-1)	02
24	Central store	01
24	Security room	01

b) Extra-Curricular activities: Sports, outdoor and indoor games, gymnasium, swimming, auditorium, NSS, NCC, cultural activities, public speaking, communication skills development, yoga, health and hygiene etc.

Extra-Curricular activities: The institution has the following facilities for the purpose of extra-curricular activities:

Sports: Standard track for girls and boys. We conduct the following athletic events: 100 m, 200 m, 400 m, 1500 m, 5000 m, 10000 m, 110 m hurdles, 400 m hurdles, 100 m relay and 400 m relay, long jump, high jump, triple jump, hammer throw, discus throw and javelin throw.

Outdoor games: Volley ball, foot ball, kabaddi, basket ball, badminton, kho-kho, cricket, hand ball and throw ball (for both boys and girls).

Indoor games: Carrom, chess, ball badminton and table tennis.

Gymnasium: Available.

Auditorium: Air-conditioned auditoriums available.

NCC:

- ❖ 4 Tamilnadu girls Battalion NCC granted 50 cadets to our college.
- ❖ Training of NCC develops qualities like patriotism, discipline, team spirit, leadership, self confidence and promotes overall personality development among the cadets.
- ❖ To be the best in all walks of life and to emerge as women leaders of rising India.
- ❖ NCC cadets attended various camps such as the annual training camp, national integration camp and trekking camp.
- ❖ The NCC has organized various social service activities like awareness on adult-education, tree plantation, blood donation, rainwater harvesting, health, voters day awareness rally, etc.

NSS:

- ❖ The institute has 2-units with 50 students each.
- ❖ 2-units of students participate in NSS camp every year.
- ❖ During the last academic year our units have undertaken the villages, Kurur and Chettikulam for the social services.
- ❖ The following activities are conducted by NSS:
 - Awareness program (AIDS, save water, save trees, first-aid, recent technology-based education system, etc).
 - Rally (to avoid pollution and save water).
 - Medical camp.

Cultural activities:

Every year the institution organizes cultural day to involve the students in various events like dance, mime, skit, drama, poem writing, etc.

Public speaking:

Eminent speakers from well known institutions are invited to deliver lectures on the latest trends in engineering and technology for the benefit of our faculty and students. For example, this year Dr. Akdhar Kalam, Melbourne University, visited our college.

Communication skills development:

HRDC offers soft skill programmes by outsource experts to improve the communication ability of the students.

Yoga:

Yoga centre is functioning in our campus to enhance physical and mental growth of students.

Health and Hygiene etc.,:

- ❖ Medical camps for the benefit of staff members and students of our institution and our group of institutions are organized.
- ❖ In this camp various medical tests like, BMI Value, BP, blood group, hemoglobin, blood sugar, etc., are done.
- ❖ A prominent view of this camp is to organize awareness programs in the field of medical and environment by issuing notices, placards and delivering perception videos.

- ❖ The institution conducts various workshops related to medical instruments and safety measures for seasonal diseases and others.

Swimming pool: Available.

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed / augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).

- ❖ The institute has been keeping track with the changing needs and requirements to meet academic growth.
- ❖ Our institution has new block with class rooms, staff rooms, laboratories, auditoriums, and rest rooms.
- ❖ The institution plans and ensures the optimal utility of the infrastructure by keeping in view the present felt needs and the steps taken to improve the infrastructure.
- ❖ All the activities are under ISO quality system.

The following table shows amount spent for last four years

Amount spent on	Amount in Rupees			
	2010-2011	2011-2012	2012-2013	2013-2014
Books, Journals, and E-Journals	14,25,306	17,10,410	17,87,890	18,48,095
Building Development	17,76,27,983	4,97,27,665	4,95,71,994	85,20,397
Lab. consumables	38,619	3,56,961	4,42,128	5,80,326
Lab. repairs & maintenance	2,36,750	16,05,159	31,92,057	7,32,835
Website deve. & maintenance	15,000	17,000	20,000	30,000
Internet usage	14,10,981	12,59,592	18,56,888	15,10,655
Sports	1,20,646	1,62,168	1,25,362	1,46,282

Amount spent on	Amount in Rupees			
	2010-2011	2011-2012	2012-2013	2013-2014
Placement expenses	5,10,818	23,47,166.50	7,44,190	9,80,582
Furniture and Fittings	43,67,093	11,62,245	12,64,175	30,72,491
Maintenance (Electricity, Telephone)	27,83,949	1,43,36,039	1,47,80,571	1,53,82,020
Function expenses	9,45,415	7,29,315.80	16,11,072	10,61,824
BSI Groups expenses	-	-	-	1,60,300
Lab. equipments	32,01,957	16,33,302	13,53,263	66,35,547
A/C, Genset	3,38,000	8,11,500	1,16,500	8,65,500
Vehicles	12,30,000	27,55,000	-	-
Transports (Diesel) expenses	1,18,18,258	85,18,316.29	1,11,81,399.30	1,16,83,325
Academic activities of Departments	5,63,094	4,32,115	8,19,241	37,67,051
Research, seminars, workshops etc.	5,77,504	3,86,974	8,65,628	6,42,706
Miscellaneous items	87,872	68,866	1,97,325	1,89,185

Future Plan:

- ❖ Extra floors are under construction in a new block.
- ❖ The institution has planned to improve the library facilities like e-journals, e-books, book bank, etc.

4.1.4. How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

- ❖ Class rooms are arranged in ground floor.
- ❖ The needs of physically challenged students are met through supporting staff.
- ❖ The institute provides battery operated car facility for internal transportation of the disabled.
- ❖ The disabled are also provided with wheel chair and ramp facility.
- ❖ Providing lift facility for the physically disabled students is under process.

- ❖ The institution has special provision in toilet for physically disabled.

4.1.5. Give details on the residential facility and various provisions available within them:

Hostel Facility - Accommodation available.

Separate hostel facilities are available for both boys and girls. The hostel details are listed below in table:

S. No.	Gender	Hostel Name	Block Name / Floor No.	No. of Rooms available for Students	Total No. of Inmates	No. of Rooms available for Warden / Staff		
1	BOYS	ABCD	A	46	1423	2		
			B	46		2		
			C	46		2		
			D	46		2		
2		I-Year Block	I	25		1		
			II	25		1		
			III	25		1		
3		TITANIC	Ground	42		-		
			I	41		1		
			II	42		-		
			III	42		-		
4	GIRLS	H3	Ground	42	959	2		
			I	42		2		
			II	42		2		
			III	43		1		
5		H4	Ground	41		1		
			I	35		-		
		Total		671		2,382	20	

- ❖ Hygienic dining hall with variety and well balanced food is provided for our students (T.N., A.P., Kerala and North India).
- ❖ Swimming pool and gym facilities are also available.
- ❖ RO purified mineral water for drinking purpose is provided.

Recreational facilities, gymnasium, yoga center, etc.

- ❖ TV, DVD, news papers and music system are provided in the recreation room.
- ❖ Opportunities are given to the students to involve in dance, music and drama during recreation hours.

Computer facility including access to internet in hostel.

- ❖ Computer room having sufficient number of computers with internet facility is provided for the benefit of hostel students.

- ❖ Wi-Fi facility at hostel building.

Facilities for medical emergencies.

- ❖ A health center with 3-beds are available.
- ❖ The campus have the following facilities:
 - One part-time Medical Officer.
 - One full time Staff-Nurse.
 - Life saving medicines.
 - Ambulance and cars for emergency.
 - First-aid boxes at key locations.
 - Battery operated cars to help mobility of physically disabled.
 - Doctors and nurses from our Nursing College and Medical College offer their services on part-time basis.

Library facility in the hostels.

- ❖ A separate room allotted for reading general books.
- ❖ Room-wise daily news papers are provided.

Available residential facility for the staff and occupancy. Constant supply of safe drinking water.

- ❖ 10 teaching and 5 non-teaching staff members are accommodated in the college residency buildings nearer to the college.
- ❖ Hostel accommodation is provided for 'single' faculty.
- ❖ RO purified mineral water for drinking purpose is provided.

Security

Security guards are available in the hostel and college campus 24x7.

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?**On Campus:**

Health centre with 3-bed available in the campus with the following facilities:

- ❖ One part-time medical officer.
- ❖ One fulltime staff nurse.
- ❖ Life saving medicines.
- ❖ Ambulance and cars are provided in case of emergency.
- ❖ First-aid boxes kept at key locations.
- ❖ Battery operated cars are provided to help mobility of physically disabled.
- ❖ The institution gets assistance from our nursing college and medical College staff on part time basis.

Off Campus:

Medical facilities are offered free of cost at Dhanalakshmi Srinivasan Medical College and Hospital which is located near the college.

4.1.7 Give details of the Common Facilities available on the campus-spaces for special units like IQAC, Grievance Redressal unit, Women's

Cell, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

Separate facilities are available on the campus for IQAC, student grievance and redressal cell, women cell, counseling and career guidance, placement unit, health centre, canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

IQAC:

- ❖ There is a separate room allotted for IQAC with computer and internet facility.
- ❖ This cell ensures timely, efficient and progressive performance of academic tasks.

Students Grievance Redressal cell:

Its establishment under the guidance of Principal, the cell is striving to solve problems in a rapid and effective manner. The institution has suggestion boxes which are set up in main areas of the campus. Regularly the grievances are collected from the suggestion boxes and are forwarded to the committee where the grievances are redressed.

Women Cell:

This cell addresses the problems of female students and staff regarding their grievances.

Counseling and Career Guidance:

The HRDC has been established to contribute directly to the growth of the student. Right from its inception, it is continuously focused on the uplift of human resource.

Canteen:

The college has a hygienic food for students and staff. It also provides a comfortable environment for refreshment during their stipulated work schedule.

Safe drinking water facility:

The institution ensures safe and sufficient drinking water facility with RO system.

Auditorium:

The institution has well equipped air-conditioned auditoriums.

4.2 Library as a Learning Resource:

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student / user friendly?

Yes; the library has an advisory committee, consisting of the following members:

Member	Name	Designation
Executive Members	Sri.P.Neelaraj	Secretary
	Dr.S.Thayumanavan	Advisor
	Dr.C.Natarajan	Principal
	Mr.S.Nandha Kumar	Vice-Principal
Faculty Members	Dr.K.Soundararajan	Professor & Head, MBA
	Dr.K.Ashok	Professor & Head, AERO
	Mr.P.Sivamurugan	Professor & Head, MECH
	Mr.G.Murugesan	Librarian
Student Representatives	S. Manivannan-CSE	Students
	M. Nandhini-ECE	

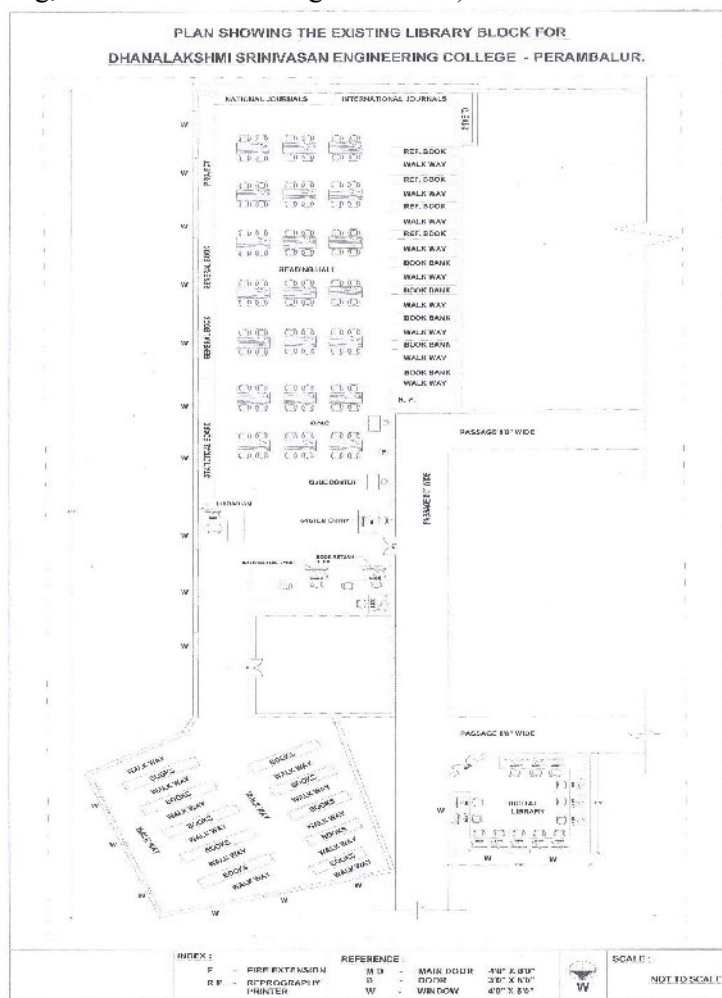
The significant initiative of this committee are as follows:

- ❖ Procurement of journals including e-journals.
- ❖ Purchase of books and journals relevant to research activities.
- ❖ Book bank scheme.
- ❖ DELNET (Developing Library Network).
- ❖ Full automation of the library.
- ❖ Inter-institutional library loans.
- ❖ Bibliography service to researchers.

4.2.2 Provide details of the following:

- ❖ Total area of the library : 1800 sq. m.
- ❖ Total Number of seating capacity : 220 nos.
- ❖ Working hours (on working days, on holidays, before examination days, during examination days, during vacation).
 - On working days : 08.00 A.M. – 07.00 P.M.
 - On holidays : 08.30 A.M. – 04.00 P.M.
 - Before examination days : 08.00 A.M. – 08.00 P.M.
 - During examination days : 08.00 A.M. – 08.00 P.M.
 - During vacation : 08.30 A.M. - 05.30 P.M.

Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resource).



- ❖ Another centralized air-conditioned library is under construction.

4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

- ❖ Book reviews and trade catalogues are circulated to the Heads of the departments and on their recommendation, the list of books and journals are finalized.
- ❖ Online sources to trace latest publications.
- ❖ Library committee scrutinizes and approves the requirements of each department collected by the librarian.
- ❖ Books are also purchased by visiting book exhibitions arranged by leading publishers / distributors.

Library Holdings	2010-2011		2011-2012		2012-2013		2013-2014	
	Number	Total Cost (Rs.)	Number	Total Cost (Rs.)	Number	Total Cost (Rs.)	Number	Total Cost (Rs.)
Text Books	3226	12,90,421	3654	14,61,600	3865	15,46,525	3940	15,80,145
Journals / Periodicals	130	1,23,385	131	1,32,310	134	1,35,365	145	1,46,450
E-resources	1214	11,500	2262	1,16,500	2262	1,06,000	2262	1,21,500
Any others	Stationeries	13,000	Stationeries	17,500	Stationeries	23,500	Stationeries	25,450

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

OPAC: OPAC (Online Public Access Catalogue) is provided to the users through NIRMALS library software.

Electronic Resource Management package for e-journals:

The library has online, e-journals access through DELNET services.

Federated searching tools to search articles in multiple databases:

Yes; the library has a large and constantly growing collection of online resources such as NPTEL, e-journals, e-books, and so on. These e-resources are accessible anywhere in the campus at any time. We are using campus wide unlimited access.

Library Website: www.dsengg.ac.in/facilities/library.

In-house / remote access to E-publications:

Yes; the library is using campus wide unlimited access through intranet.

Library Automation:

Library materials and services are automated with commercial software package called NIRMALS. All the transactions are fully computerized. The bar-coded ID and the scanner are used for charging and discharging the books.

Total number of computers for public access: 24

Total numbers of printers for public access: 3

Internet band width speed: 16 Mbps and Wi-Fi facility available.

Institutional Repository: Yes.

- ❖ Question bank.
- ❖ Theses (students projects).
- ❖ Newspapers (last six months).

Content management system for e-learning:

- ❖ Done with the help of NPTEL.

Participation in Resource sharing networks / consortia (like INFLIBNET)

- ❖ DELNET – Developing Library Network, New Delhi.

4.2.5 Provide details on the following items:

Average number of walk-ins / day	: 650
Average Number of books issued / returned / day	: 256
Ratio of library books to students enrolled	: 1/12
Average number of books added during last three years	: 4182
Average number of login to (OPAC)	: 56
Average number of login to e-resources	: 54
Average number of e-resources downloaded / printed	: 25

Number of information literacy trainings organized:

Every year library orientation programme is conducted to the freshers.

Details of “weeding out” of books and other materials:

With the approval of the advisory committee proposal to weed out the books are prepared.

4.2.6 Give details of the specialized services provided by the library**Manuscript:**

- ❖ At present the library does not have manuscripts; the institute is trying to collect.

Reference:

- ❖ A separate reference section is available. The reference section contains dictionaries, encyclopedia, atlas, and general books.
- ❖ Books relating to various competitive examinations like TOEFL, GRE, GATE and Civil Services, are made available to the students in the reference library.
- ❖ The faculty also makes use of the reference library.

Reprography:

- ❖ The library has a separate photocopy machine. Users are permitted to copy necessary material at a nominal cost.

ILL (Inter Library Loan Service):

- ❖ If the demanded books are not available in the library, the same is arranged to our readers through our sister institutions.
- ❖ Inter-Library Loan Services are provided through British Council and DELNET- Developing Library Network.

Information Deployment and Notification

- ❖ Arrival of new books, journals and magazines are displayed on a separate new arrivals rack.
- ❖ Announcement of information on national, international conferences, etc., are put-up in the notice boards.
- ❖ Newspaper clippings, on important events are displayed on notice boards.

Download

- ❖ Downloading the e-resource through online databases is provided to the users.

Printing

- ❖ Printing and scanning facilities are provided to the students and faculty.

In-house/remote accesses to e-resources: are provided through DELNET and NPTEL.

User Orientation and awareness:

- ❖ User orientation programme was conducted to first year students at the beginning of the academic year.
- ❖ One hour per week to spend in library is prescribed to all the students.
- ❖ The library conducts library week in every academic year.

Assistance in searching Databases:

- ❖ Yes; assistance in searching databases is provided whenever requested.

INFLIBNET / IUC Facilities:

- ❖ DELNET Facility available.

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.

The Library Staff always extend their services to the students and teachers of the college on various aspects mentioned below:

- ❖ Circulation service.
- ❖ Reference service.
- ❖ Reprographic facility.
- ❖ Personal guidance in finding the books.
- ❖ Referral service.
- ❖ Inter Library Loan service.
- ❖ New books, journals and magazines displayed on new arrivals rack.
- ❖ User orientation service.
- ❖ Computer and printing service.
- ❖ Internet service.
- ❖ Clipping service.
- ❖ Open access system.
- ❖ Access to CD-ROM including circulation.

4.2.8 What are the special facilities offered by the library to the visually/Physically challenged persons?

- ❖ The section in-charge helps such students in every possible way. The physically challenged students are given top priority for accessing the library.
- ❖ Preference is given to them in the Book Bank Scheme.
- ❖ The required books and reference materials are supplied to their seat in the library. The library assistant takes care of them in all aspects for their comfort within the library.
- ❖ The students who are visually impaired are provided with audio/video courses through NPTEL.
- ❖ The library has some braille books for visually challenged students.

4.2.9 Does the library get the feedback from its users? If yes, how is it analysed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analysed and used for further improvement of the library services?)

- ❖ A survey is conducted in the library to know the needs and requirements of the library users by administering a structured questionnaire along with personal interaction and also by observation.
- ❖ After assessing the needs, necessary measures are taken to update the collection and the library is made user-oriented and user friendly in its functioning.
- ❖ Feedback collected from the staff and students based on requirement of books and journals are analyzed by the library committee and necessary measures are taken immediately.

4.3 IT Infrastructure:

4.3.1. Give details on the computing facility available (hardware and software) at the institution.

Number of Computers with configuration

S. No.	Configuration Type	Configuration Details	Supplier Name	Qty.
1	Lenovo Thinkcentre	Intel core i3 3220 Processor, Intel H61 chipset motherboard, 2GB DDR3 RAM, 500GB SATA HDD, Lenovo Keyboard, Optical mouse, Lenovo 18.5" LED Monitor	Sri Acl Infosys	560
2	Hp dx2480	Intel core 2 Duo E4600 Processor, Intel G33Chipset Motherboard, 1GB DDR2 RAM, 160GB SATA HDD, HP Keyboard, Optical mouse, HP 17" LCD Monitor	Sri Acl Infosys	120
3	Hp dx2480	Intel core 2 Duo E4600 Processor, Intel G33Chipset Motherboard, 1GB DDR2 RAM, 160GB SATA HDD, HP Keyboard, Optical mouse, HP 17" LCD Monitor	Sri Acl Infosys	350

S. No.	Configuration Type	Configuration Details	Supplier Name	Qty.
4	Acer	Intel core 2 Duo 4400 Processor@ 2GHz, Intel G31 Chipset Motherboard, 512MB DDR2 RAM, 80GB SATA HDD, Acer Keyboard, Optical mouse, Acer 17" TFT Wide screen Monitor	Sri Acl Infosys	20
5	Hp Compaq D290	Intel P4 @ 3GHz Processor, Intel 915GVMotherboard, 1GB DDR RAM, 80GB SATA HDD, HP Keyboard, Optical mouse, HP 15" TFT Monitor	Sri Acl Infosys	110
6	Hp Compaq Commercial Dx2180	Intel P4 @ 3GHz Processor with HT , Intel 915chipset Motherboard, 1GB DDR RAM, 40GB SATA HDD, HP Keyboard, Optical mouse, HP 15" CRT Monitor	Sri Acl Infosys	132
7	Hp Compaq Multimedia Dx6120	Intel P4 @ 3GHz Processor with HT, Intel 915 chip set Motherboard, 1GB DDR RAM, 1.44 FDD, CD ROM Drive, 80GB SATA HDD, HP Keyboard, Optical mouse, HP 15" CRT Monitor	Sri Acl Infosys	15
8	IBM	Intel P4 @ 3GHz with HT Processor, Intel 865 GV chipset Motherboard, 1GB DDR RAM, 40GB HDD, 1.44 FDD, IBM Keyboard, Optical mouse, IBM 15" CRT Monitor	Genuine Infotech	100
9	Intel P4	Intel P4 @ 2.4GHz Processor, Intel 845 GVSR chipset Motherboard, 256MB DDR RAM, 40GB HDD, Logitech Keyboard, Logitech optical mouse, Samtron 15" CRT Monitor	Sri Acl Infosys	75
	TOTAL			1482

Available Licensed Softwares

Software required	Name of the software available
System software - Three	1. Windows 95, 98, 2000, 2003, XP, Windows 7, Windows Server 2008
	2. Unix / Linux
	3. Novell Netware
Application software - Twenty	1. IBM Rational Suite
	2. Adobe Create Suite Premium
	3. Macro Media Studio MX2004
	4. Director MX Win Educational Eng
	5. Visual Studio
	6. SQL Server
	7. Dot Net
	8. SPSS 16.0
	9. MATLAB
	10. AutoCAD
	11. ETAP
	12. Turbo C
	13. Java
	14. Ms Office
	15. Tomcat
	16. ProE
	17. Tora
	18. Model Sim
	19. Mathematica
	20. S-Plus

Computer-Student Ratio:

1:4 – U.G. Students

1:2 – P.G. Students

LAN facility:

The college has a well connected campus LAN.

Wi-Fi facility :

Our campus has Wi-Fi facility.

Number of nodes/ computers with Internet facility:

- ❖ The institute has a total of 1440 computers with internet facility.

Any other:

- ❖ 16-Mbps dedicated leased line from BSNL.
- ❖ Watch Guard firewall is used.

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

- ❖ The institute has separate computer centre with internet browsing facility looked after by system administrator.
- ❖ The students, faculty and staff can access internet in computer labs.
- ❖ The campus Wi-Fi enabled for the easy use of internet by the students and faculty.
- ❖ Each department has their own computer with internet facility for their faculty and students.
- ❖ LAN facilities are also available.
- ❖ Resources for conducting online examinations exist in the institute.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

- ❖ The college has planned to provide laptops to the faculty members first, at free of cost.
- ❖ Later it is planned to provide laptop to the students at free of cost.
- ❖ The college encourages the students to submit their home works / assignments / mini-project to the department through E-Mail.
- ❖ The college is planning to improve the bandwidth of internet to 32 Mbps.
- ❖ Also the college is planning to provide more computer systems to all the computer laboratories.
- ❖ For all the programmes, syllabus and materials are uploaded in the college website.

4.3.4 Provide details on the provision made in the annual budget for procurement, up-gradation, deployment and maintenance of the computers and their accessories in the institution (Year wise in the last four years).

Annual Budget for computers in the past 4 years

Items	2010-11		2011-12		2012-13		2013-14	
	Budgeted	Actual expenses	Budgeted	Actual expenses	Budgeted	Actual expenses	Budgeted	Actual expenses
Computers & Accessories	16,00,000	15,99,180	12,00,000	10,15,882	17,50,000	16,37,890	1,60,00,000	1,54,79,100

4.3.5 How does the institution facilitate extensive use of ICT resources in including development and use of computer-aided teaching / learning materials by its staff and students?

- ❖ The individual department develops their course materials through power point presentation for use in their interactive classes.
- ❖ Scheduling of smart class rooms for students.
- ❖ Audio-visual learning approach.
- ❖ Softcopy of many learning resources, lecture materials, e-books are provided to students.
- ❖ Orientation programs are offered to the staff members with respect to computers.
- ❖ Feedback forms are collected from the users of ICT to improve Teaching-Learning Process.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

- ❖ The institution has a large and constantly growing collection of online resources such as NPTEL, e-journals, e-books, and so on. These e-resources are accessible anywhere within the campus at any time.
- ❖ The institute understands that the teachers are to be reoriented from time to time.
- ❖ The institution encourages the staff and technical assistants to undergo training on the computer-aided teaching and training and conducts departmental seminars and workshops for training on computer applications.
- ❖ The Department of Computer Science Engineering and Information Technology also organize training sessions on the use of internet for learning resources, conducting seminars and workshops in various fields related to hardware and software.
- ❖ Well equipped computer labs, LCD projectors and OHPs are available to the faculty for conducting seminars, workshops, computer aided training, faculty development programs and conferences.
- ❖ The e-journal and e-library facility is available for both students and faculty members.
- ❖ The campus is fully enabled with Wi-Fi access to avail internet facilities.
- ❖ The faculty are always available for any need based assistance in the use of ICT.

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

Yes; the college has the services of NPTEL.

4.4 Maintenance of Campus Facilities:

4.4.1. How does the institution ensure optimal allocation & utilization of the available financial resources for maintenance & upkeep of the following facilities? (Substantiate your statements by providing details of budget allocated during last 4 years).

Sl. No	Particulars	(Budget Amount in Rupees)			
		2009-10	2010-11	2011-12	2012-13
a.	Buildings	18,00,00,000	5,00,00,000	5,00,00,000	1,00,00,000
b.	Furniture	44,00,000	12,00,000	13,00,000	40,00,000
c.	Equipment	33,00,000	17,00,000	14,00,000	67,00,000
d.	Computers	16,00,000	12,00,000	17,50,000	1,60,00,000
e.	Vehicles	1,50,00,000	1,50,00,000	1,50,00,000	1,50,00,000
f.	Any other (Lab,Sports, Machines)	8,00,000	30,00,000	39,00,000	24,00,000

4.4.2. What are the institutional mechanisms for maintenance and upkeep of the infrastructure facilities & equipment of the college?

- ❖ Each department in the college is asked to give an annual budget estimate to upgrade and maintain the existing facilities available in the laboratories and workshop and also for the purchase of new equipments.
- ❖ The budget is monitored periodically by Board of Trustees, Principal and HODs in the review meetings and funds are allotted to ensure optimum utilization.
- ❖ Department infrastructure facility and equipments are periodically verified by the staff members. In case of further requirements, the individual department reports are correlated and approved by the Principal and Management for further action.

4.4.3. How and with what frequency does the institute take up calibration & other precision measures for the equipments / instruments?

- ❖ Electrical and Mechanical equipments are taken up for calibration and precision measurement as and when required which is decided by the respective departments.
- ❖ The diagnostic equipments are calibrated regularly for precise measurement.
- ❖ Detected calibration faults are repaired immediately.

4.4.4. What are the major steps taken for location upkeep & maintenance of sensitive equipment (Voltage fluctuation, constant water supply of water etc?)

- ❖ The institution has a team for maintenance works for the improvement of infrastructure.
- ❖ In addition, the college has a good team of sweepers and scavengers to keep the campus clean.
- ❖ The institution has an outsourcing team for garden maintenance.
- ❖ Annual maintenance contracts are in place.
- ❖ Water supply is assured in the college.
- ❖ The institution has got high powered Genset with the capacity of 400 KVA.
- ❖ A separate automatic voltage regulator facilities are provided for high voltage fluctuation.
- ❖ Lightening arrester is installed in each block.
- ❖ The short circuit problem is managed by using MCB switches.
- ❖ Fire extinguishers are made available for emergency.
- ❖ The institution also has electrical storage and maintenance systems like stabilizer, UPS, etc., to take care on fluctuation of electric power supply.

Criterion V: Student Support and Progression**5.1 Student Mentoring and Support****5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?**

Yes; the institution publishes its updated handbook and prospectus annually. The information provided to the students are,

- ❖ College Profile.
- ❖ Vision and Mission statements.
- ❖ Information about various programmes.
- ❖ Facilities provided.
- ❖ Details of working days and holidays.
- ❖ Rules and regulations.
- ❖ Schedule of academic, co-curricular and extra-curricular activities.

The institute is committed to the information provided in the handbook in all aspects and the academic activities planned in the handbook. For example, the academic calendar dates for the association functions and test schedules are strictly adhered to.

5.1.2 Specify the type, number and amount of institutional scholarships / freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

Yes; financial aid is available to students and is disbursed on time.

ACADEMIC YEAR	TYPE OF SCHOLARSHIP	NUMBER OF STUDENTS	AMOUNT (Rs.)
2013-2014	Fee Waiver Scheme	32	7,70,000
	SC/ST Scholarship	475	2,38,89,825
	BC/MBC Scholarship	908	52,11,300
	First Graduate Scholarship	1115	2,23,00,000
	Farmer Scholarship	26	58,500
	Other Agencies*	16	3,49,500
2012-2013	Fee Waiver Scheme	29	7,05,000
	SC/ST Scholarship	256	99,45,000
	BC/MBC Scholarship	871	23,28,865

ACADEMIC YEAR	TYPE OF SCHOLARSHIP	NUMBER OF STUDENTS	AMOUNT (Rs.)
2012-2013	First Graduate Scholarship	897	1,79,40,000
2011-2012	Fee Waiver Scheme	28	6,86,000
	SC/ST Scholarship	230	79,27,000
	BC/MBC Scholarship	745	25,37,730
	First Graduate Scholarship	591	1,18,20,000
2010-2011	Fee Waiver Scheme	26	5,92,000
	SC/ST Scholarship	115	9,87,570
	BC/MBC Scholarship	240	10,61,220
	First Graduate Scholarship	290	58,00,000

* - Merit cum means Minority Scholarship, State Govt. Scholarships for North Indian students.

5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?

2013-2014	State Government	64%
	Other National Agencies	1.2%

5.1.4 What are the specific support services/facilities available for Students from SC/ST, OBC and economically weaker sections

- ❖ Scholarships received from government and other agencies are disbursed on time.
- ❖ Text books in all the subjects are loaned from book bank for the entire semester.
- ❖ Fee waiver for participation in various co-curricular and extra-curricular activities.

Students with physical disabilities

- ❖ Battery operated car facility is provided.
- ❖ Supporting staff are available to help them.
- ❖ Class rooms are allocated in the ground floor.
- ❖ Lift and Ramp are being installed.
- ❖ Specially designed rest rooms and wash rooms are being made.

Overseas students

- ❖ Facilities are available for overseas students.

Students to participate in various competitions/National and International

- ❖ Permission is given for students to participate in various competitions.
- ❖ Registration fee with TA/DA are provided.
- ❖ Reward for winners.
- ❖ Flexibility is given in examination schedules.

Medical assistance to students: health centre, health insurance etc.

- ❖ First aid boxes are available in main areas of the campus.
- ❖ The institution has a well-equipped health centre which works 24X7.
- ❖ Gynaecologists are invited to address girl students on health and hygiene aspects.
- ❖ Round the clock ambulance facility is available.
- ❖ The college has a tie-up with Dhanalakshmi Srinivasan Medical College for getting medical care in addition to the facilities provided by the health centre.
- ❖ Regular medical checkup camps are conducted.

Organizing coaching classes for competitive exams

- ❖ Coaching classes are conducted and study materials are provided for taking up competitive exams.
- ❖ Special coaching classes are conducted for developing aptitude skills, general knowledge, current affairs, communication skills, logical reasoning, verbal and non-verbal reasoning and quantitative analysis.

Skill development (spoken English, computer literacy, etc.,)

- ❖ To enhance the communication skills of the students, use of special software equipped with audio facility is provided.
- ❖ Digital literacy computer training classes have been conducted and course materials are provided.
- ❖ Bridge courses for subjects like mathematics, physics, chemistry and computer science are conducted for
- ❖ Programmes on environmental awareness, first-aid training, fire and safety awareness are conducted.

Support for “slow learners”

- ❖ Every faculty act as a mentor for a group of slow learners.
- ❖ Regular counseling hours are conducted to identify their difficulties, to counsel and to motivate them.
- ❖ Remedial courses are conducted.
- ❖ Supplementary materials are provided.

Exposures of students to other institution of higher learning/corporate/business house etc.

- ❖ Students are exposed to higher education by the career guidance programmes.
- ❖ Mock tests, mock interviews and group discussions are conducted.

- ❖ The Entrepreneurship Development Cell conducts seminars and workshops to facilitate entrepreneurial skills among the students.
- ❖ Students are facilitated to attend seminars, conferences, workshops, industrial visits and in-plant training.

Publication of student magazines

- ❖ The institution publishes student magazine and wall magazine which comprise of articles written by students.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

- ❖ The institute has an Entrepreneurship Development Cell. The cell organizes seminars and workshops periodically.
- ❖ Eminent persons from industry are called for making the students understand business ethics and start-up procedures.
- ❖ Bank officers inform the procedure for availing loan.
- ❖ Guidance for Small Scale and Large Scale Industries registration is given by experts from Government agencies.

The impact of entrepreneurship education on entrepreneurial intentions was examined by surveying groups of graduates. The study found that the students are successful in creating products with commercial utility.

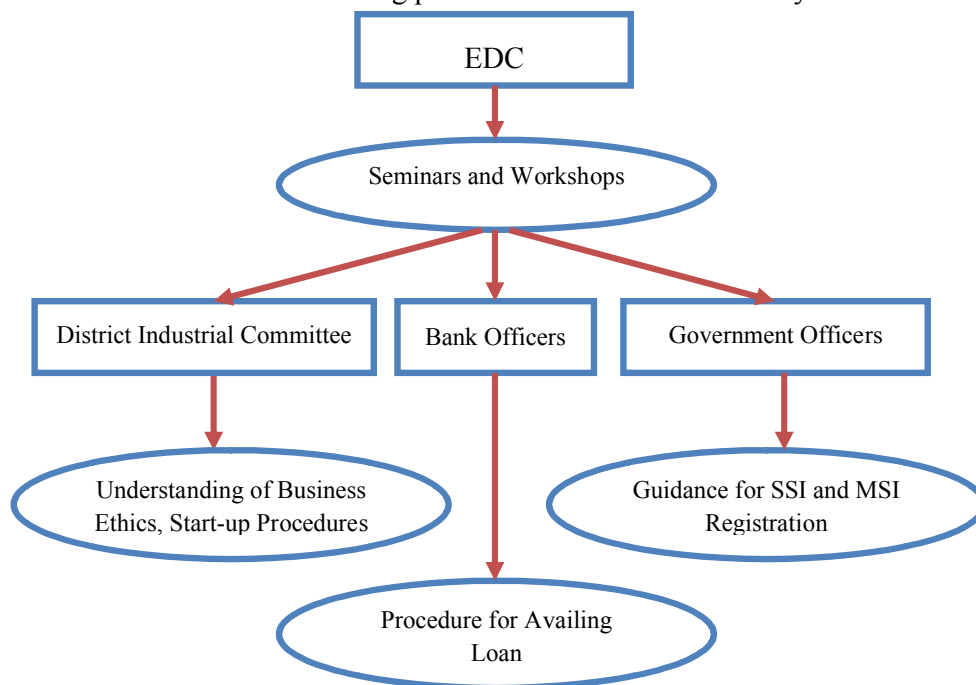


Figure 5.1. Efforts made to facilitate entrepreneurial skills

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

- ❖ **additional academic support, flexibility in examinations**
- ❖ **special dietary requirements, sports uniform and materials**
- ❖ **any other**

The policy of the institution is to make the students shine in curricular, co-curricular and extra-curricular activities. The institution believes that such students can prosper as wholesome engineers who will contribute to the sustained success of a society.

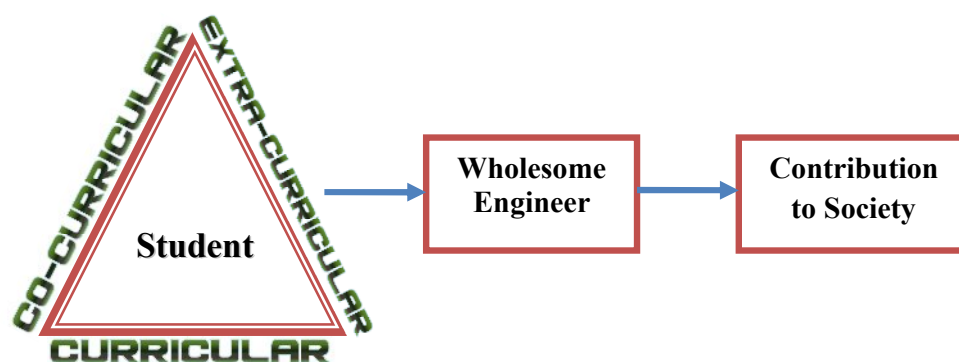


Figure 5.2. Policy to promote students participation and outcome.

- ❖ Permission is given for students to participate in various competitions.
- ❖ TA/DA and registration fee is paid by the institution.
- ❖ Re-tests are arranged for the students who participate in the events conducted by other institutions at the time of internal exams.
- ❖ Rewards are given to the students who excel in competitions with notable performances.
- ❖ Sports uniform and other sports materials are given to the students who are participating at zonal and university level competitions.
- ❖ Materials like uniform and shoes are provided to the NCC students.
- ❖ For the students involved in sports activities, special diet is provided in the college hostel to boost their energy requirements.

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services, etc.

- ❖ Classes for taking up competitive exams are arranged for the students.

- ❖ Online tests are conducted for enhancing various skills.
- ❖ Study materials are provided to all the students in preparing for the competitive exams.

EXAMS	APPEARED	QUALIFIED
GATE	40	18
GRE	10	2
TOEFL	8	0
TNPSC	29	3
TANCET	82	71
BANK EXAMS	16	11
DEFENCE	1	1
CONSORTIUM	72	69
OTHERS (NSS, NCC, YRC, RRC)	18	11

5.1.8 What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.)

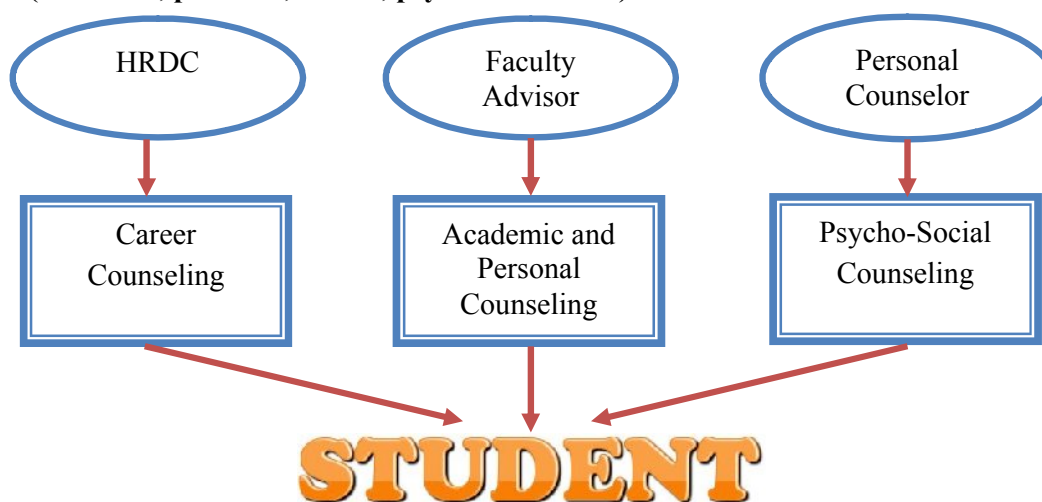


Figure 5.3 Counseling services provided to students

- ❖ **Career counseling** is provided by the HRDC.
- ❖ It assists students in understanding their values, interests, skills, passions and world outlook which influence their career decisions.
- ❖ The cell also provides support in securing jobs by counseling and job search strategy, resume making tips and preparation to face interviews.
- ❖ **Academic and personal counseling** is provided by faculty advisor scheme where 20 students are assigned to each faculty member.
- ❖ The faculty advisor assists students to monitor and improve their academic progress and provides support on personal appropriate issues.

- ❖ When appropriate, he helps mentee to think and take important strategic decisions.
- ❖ **Psycho-social counseling** is also provided.
- ❖ He focuses on identifying and exploring risk behaviors and motivates the individual towards risk reduction.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

Yes; the institution has HRDC for career guidance and placement of its students.

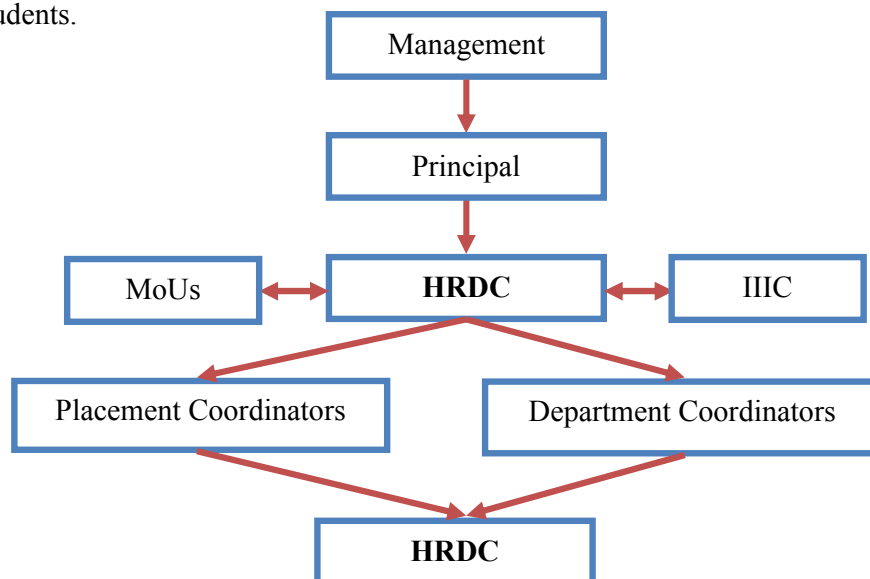


Figure 5.3. Structured mechanism of HRDC

- ❖ **Management:** MoUs have been signed with reputed companies to provide soft skills, guest lectures, industrial visits, project guidance and recruitments.
- ❖ **Faculty:** The dedicated Faculty members guide the students to develop their technical skills and to build their self-confidence.
- ❖ **Placement Unit:** HRDC arranges career guidance programmes, personality development programmes through external experts to develop communication skills of students.
- ❖ Training in aptitude and in C, C++ languages are arranged to improve their technical knowledge.
- ❖ Mock interviews are conducted to enhance skills and to rectify their mistakes to enable them to face the interviews successfully.

Services Provided

1. Self assessment
Interest, skills & personality, personal influence
2. Career Exploration
Contingency planning, researching various options
3. Decision making
Making good decisions, timeline exercise
4. Plan Implementation
Preparing CVs, mock interviews, on and off campus drives

The following table shows that Students recruited for the last four academic years;

YEAR	LIST OF EMPLOYERS	NO. OF STUDENTS PLACED
2013-2014	Tata Consultancy Services	11
	IDBI Life Insurance	11
	HDFC Bank	13
	Mitharg	4
	E4E Solutions	28
	India Healthcare Solutions	20
	Kochar Tech	143
	Sutherland Global Services	8
	Yogam BPO	2
	L&T Infotech	4
	CSS Corp	11
	Genpact	3
	Petrofac	1
	RRP Housing	43
	KB Foundations	11
	Eureka Forbes	35
	Andromeda	85
	Eureka OSL	61
	Aqua Pure Plus	74
2012-2013	Yogam BPO	4
	Indian Navy	1
	Tata Consultancy Services	25
	Millennium Pinnacle Futures Pvt. Ltd	18
	Cognizant Technology Solutions	1
	Sundaram Finance	28
	Sutherland Global Services, Chennai	10
	Petrofac, Chennai	2
	Shriram Transport Finance Pvt Ltd	13
	Macons Solutions	3

YEAR	LIST OF EMPLOYERS	NO. OF STUDENTS PLACED
2012-2013	Technosoft Global Services (P) Ltd	26
	Crescent Technosoft	12
	HCL BSERV	18
	Data Logix	2
	Colan, Chennai	1
	4W Technologies	5
	CEBACA - Sree Daksha Property Developers	1
	CEBACA - Rishi and Associates	1
	CEBACA - Shree Mahalakshmi & Co	1
	CEBACA - Sri Sasthaa Constructions	1
	Glenwood System, Chennai	11
	L Cube Innovative Solutions	2
	India Healthcare Solutions Pvt Ltd, Chennai	35
	Bajaj Allianz	1
	Exeter Premedia services, Chennai	1
	Sandesh Solutions, Chennai	1
	Smile Customer, Chennai	1
	TVS, Chennai	1
	HCL Info Systems	1
	Care IT Solution, Trichy	2
	GPS Solutions, Chennai	3
	V D Samy Company (P) Ltd	3
	Surprise Solutions, chennai	5
	E4E Healthcare Business Services Pvt Ltd	18
	Acliv Technologies	1
2011-2012	Wipro Limited	30
	24/7 HEADHUNTING, Trichy	2
	HDFC Bank	21
	Mobyle TechnologiesChennai	5
	Engine Factory	2
	OFT	3
	Eureka OSL	91
	Andromeda	86
	Tata Consultancy Services	67
	Zoho Development Centre, Chennai	1
	Zenxo Infosoft Pvt Ltd, Mumbai	11
	CSS Corp, Chennai	17
	Mukesh Infoserve Pvt Ltd, Chennai	37
	Hexaware Technologies	1

YEAR	LIST OF EMPLOYERS	NO. OF STUDENTS PLACED
2011-2012	Aditya Trading Solutions Pvt Ltd, Chennai	8
	Dhan Foundation, Madurai	6
	Nayasoft Solutions Pvt Ltd, Chennai	9
	ST Technology, Chennai	18
	Crossfields India Pvt Ltd, Coimbatore	14
	Sutherland Global Services, Chennai	3
	HCL Technologies - BSERV, Chennai	25
	India Healthcare Solutions Pvt Ltd, Chennai	65
	ICICI Bank	42
	Harvest Futures Consultants Pvt Ltd, Chennai	18
	Millennium Pinnacle	22
2010-2011	Tata Consultancy Services	20
	Birla Soft	1
	CSS Corp Pvt. Ltd, Chennai	30
	Hari Xperts Solution Private Limited	27
	Wisdom Technology	37
	Vectra Form Engineering Solutions	6
	Versatile Information Solution	2
	F&D Engineers Private Limited	1
	Thyro Care Limited	3
	Shriram Transport Finance Co. Ltd	13
2010-2011	The Hindu	2
	Idayam Oil, Trichy	8
	Appco Group	21
	Accel Frontline	15
	Allsec Technologies	17
	STC Technologies	19
	Vodafone	15
	Integrated Wireless Solutions	5
	HCL BPO	11
	Reliance Communications	10
	Sutherland Global Services	8
	Tech Mahindra	1
	Wipro Technologies	2
	CCCL	5
	Cethar Vessels	10
	Rane	7

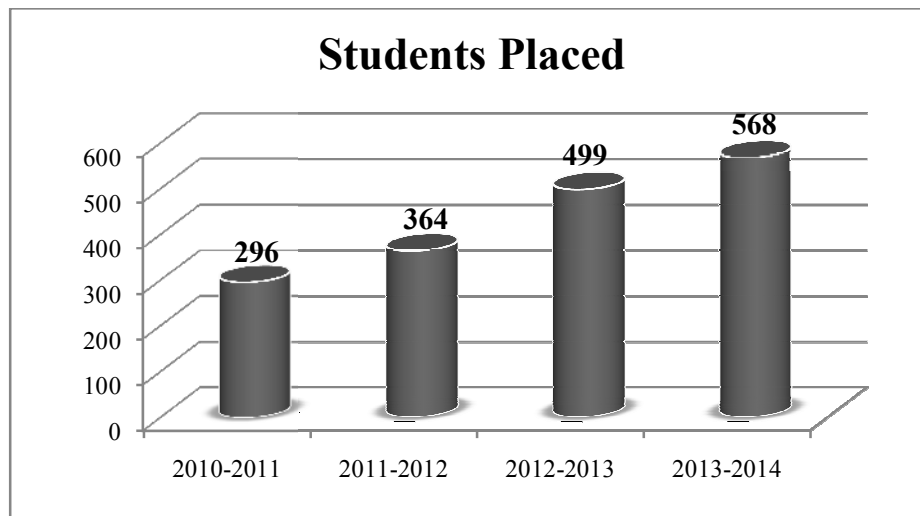


Figure 5.4 Number of students placed in campus interviews

5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

Yes; the institution has a student grievance redressal cell. The institution has suggestion boxes which are set up in main areas of the campus. Regularly the grievances are collected from the suggestion boxes and are forwarded to the committee where the grievances are redressed.

YEAR	GRIEVANCES REPORTED	GRIEVANCES REDRESSED
2013-2014	Widening the range of wi-fi network	Additional access point is installed and bandwidth is increased for wi-fi
2012-2013	Extension of bus routes	Bus routes are extended
	Additional ATM facility	ATM installed through concerned bank
2011-2012	Hot water facility in hostel	Solar water heaters installed
	Placing of trash bins in the campus	Trash bins are placed at convenient places
	Internet facility in library	Internet facility is made available in the library
2010-2011	Extension of lab hours	Labs are open up to 8pm in week days

5.1.11 what are the institutional provisions for resolving issues pertaining to sexual harassment?

- ❖ A team comprising of a senior female faculty, faculty from all programmes and student representatives comprise the Women Cell.
- ❖ It looks into the grievances of women, particularly, harassment against women, neglect, desertion, etc, if any.
- ❖ Extension of college hours for women faculty is avoided to the extent possible.

No cases regarding sexual harassment have been reported in the college till date.

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

Yes; there is an anti-ragging committee in the college. Anti-ragging slogans are displayed in main areas of the campus and in college website. Students can contact the anti-ragging committee members 24x7 at any instance. Hence the initiation of ragging is avoided.

No such instances are reported in the last four years. This college is a Ragging-free campus.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

- ❖ Details about the scholarships are intimated to the students through regular circulars.
- ❖ Fee waiver scheme has been provided to economically weaker students, sports persons, best cultural performers and achievers in research.
- ❖ The Institute provides financial aid for deserving students on merit-cum-means basis in the form of tuition fee waivers.
- ❖ The institute has a book-bank in the library for the benefit of SC/ST and economically weaker students.
- ❖ The college provides prizes for the toppers and students with 100% attendance in each and every semester.

5.1.14 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?

Yes; the institution has a registered Alumni Association. Every year the institute organizes alumni meet. The activities and contributions of the Alumni Association are,

- ❖ Bridging the gap between institute and industry, motivating the juniors, giving special lectures, career planning and placement assistance

- ❖ Assisting student groups in organizing symposia, conferences, and other special events.
- ❖ Providing an avenue for feedback to the administration and contributing to the infrastructural facility of the college

5.2 Student Progression

5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

BATCH	STUDENT PROGRESSION	%
2009-2013	UG to PG	10.1
	PG to M.Phil.	1
	PG to Ph.D.	1
	Employed	
	• Campus Selection • Other than campus recruitment • Entrepreneurs	56.6 27.5 3.5
2008-2012	UG to PG	10.8
	PG to M.Phil.	1.5
	PG to Ph.D.	1
	Employed	
	• Campus Selection • Other than campus recruitment • Entrepreneurs	41.9 32.3 2.1
2007-2011	UG to PG	10.6
	PG to M.Phil.	1.7
	PG to Ph.D.	0.8
	Employed	
	• Campus Selection • Other than campus recruitment • Entrepreneurs	42.8 38.1 0.6
2006-2010	UG to PG	10.6
	PG to M.Phil.	1.7
	PG to Ph.D.	0.8
	Employed	
	• Campus Selection • Other than campus recruitment • Entrepreneurs	37.5 29.6 0.6

5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

Year of passing	Programme	No. of students appeared	No. of students passed	Pass percentage	University ranks
2013	AERO	66	48	78.79	4
	BME	66	49	74.2	2
	CIVIL	131	108	82.44	8
	CSE	96	71	73.96	4
	ECE	134	104	77.61	9
	EEE	64	48	75	3
	IT	45	32	71	5
	MECH	137	101	73.72	1
	ME-CS	33	30	88.23	5
	ME-CSE	35	35	100	2
	ME-PED	17	16	94.11	-
	ME-ES	-	-	-	-
	ME-CAD/CAM	10	5	50	-
	MCA	88	81	92	7
	MBA	66	21	32	-
2012	AERO	-	-	-	-
	BME	66	55	83.33	3
	CIVIL	67	64	95.22	2
	CSE	100	84	84.00	4
	ECE	144	118	79.16	6
	EEE	70	50	71.42	-
	IT	65	50	76.92	2
	MECH	107	95	88.78	5
	ME-CS	35	32	91.42	1
	ME-CSE	33	33	100	3
	ME-PED	-	-	-	-
	ME-ES	-	-	-	-
	ME-CAD/CAM	-	-	-	-
	MCA	82	80	98.7	5
	MBA	76	44	58	-

Year of passing	Programme	No. of students appeared	No. of students passed	Pass percentage	University ranks
2011	AERO	-	-	-	-
	BME	57	50	87.71	2
	CSE	63	63	100	3
	ECE	130	121	93.07	2
	EEE	65	55	84.61	1
	IT	63	52	82.53	1
	MECH	65	51	78.46	-
	ME-CS	18	17	94.4	2
	ME-CSE	18	18	100	-
	MCA	64	63	98	8
	MBA	117	102	87	-
2010	AERO	-	-	-	-
	BME	34	27	79.41	-
	CSE	63	60	95.24	-
	ECE	100	87	79	-
	EEE	94	67	71.27	-
	IT	65	54	83.07	-
	MECH	64	48	75	-
	ME-CS	11	11	100	1
	ME-CSE	5	5	100	1
	MCA	120	119	99	5
	MBA	110	102	93	-

The following table shows the comparison of performance of the institution with other colleges:

Year	Dhanalakshmi Srinivasan Engineering College	Roever Engineering College	Oxford Engineering College
2012-2013	76%	63%	65%
2011-2012	83%	73%	67%
2010-2011	86%	74%	83%
2009-2010	84%	78%	78%

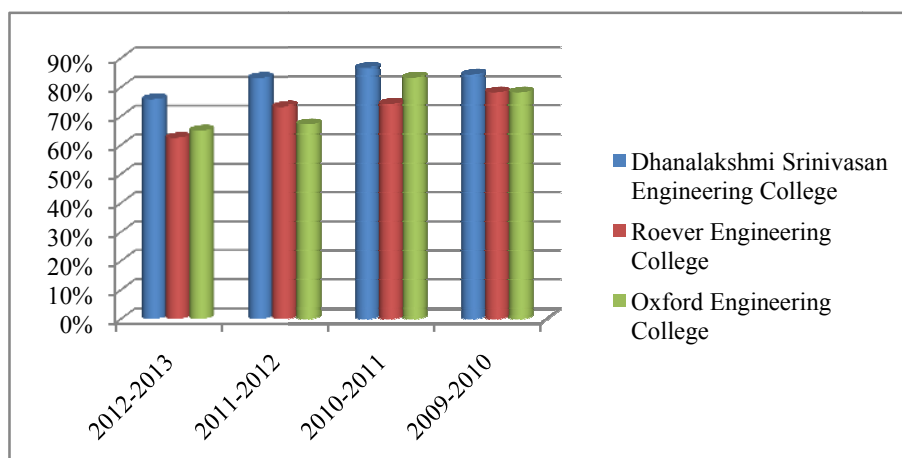


Figure 5.5 Comparison of performance of the institution with other colleges

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

- ❖ The institution facilitates modern teaching learning techniques in making the students plan/select higher education.
- ❖ Programmes offered by various colleges and job opportunities are displayed regularly in the library and department notice boards.
- ❖ Awareness programmes are conducted to gain greater clarity regarding their interests and values, identify the gaps between their current strengths and abilities in relation to their future aspirations, and make plans to develop their personal learning.
- ❖ Career guidance programmes are held in preparing students for the world of work by equipping them with the skills to remain relevant in the global economy.
- ❖ Alumni meets are arranged periodically for providing career planning and placement assistance.
- ❖ MoUs have been signed with various industries.

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

- ❖ Every student's progress is evaluated and the students who are at risk of failure are provided with academic counseling, supplementary materials, intensive coaching, etc.
- ❖ Faculty advisors and parents interact with students who are at risk of drop out to find out the solutions to enable them to continue studies.
- ❖ Marriage is the main reason for girls drop out.

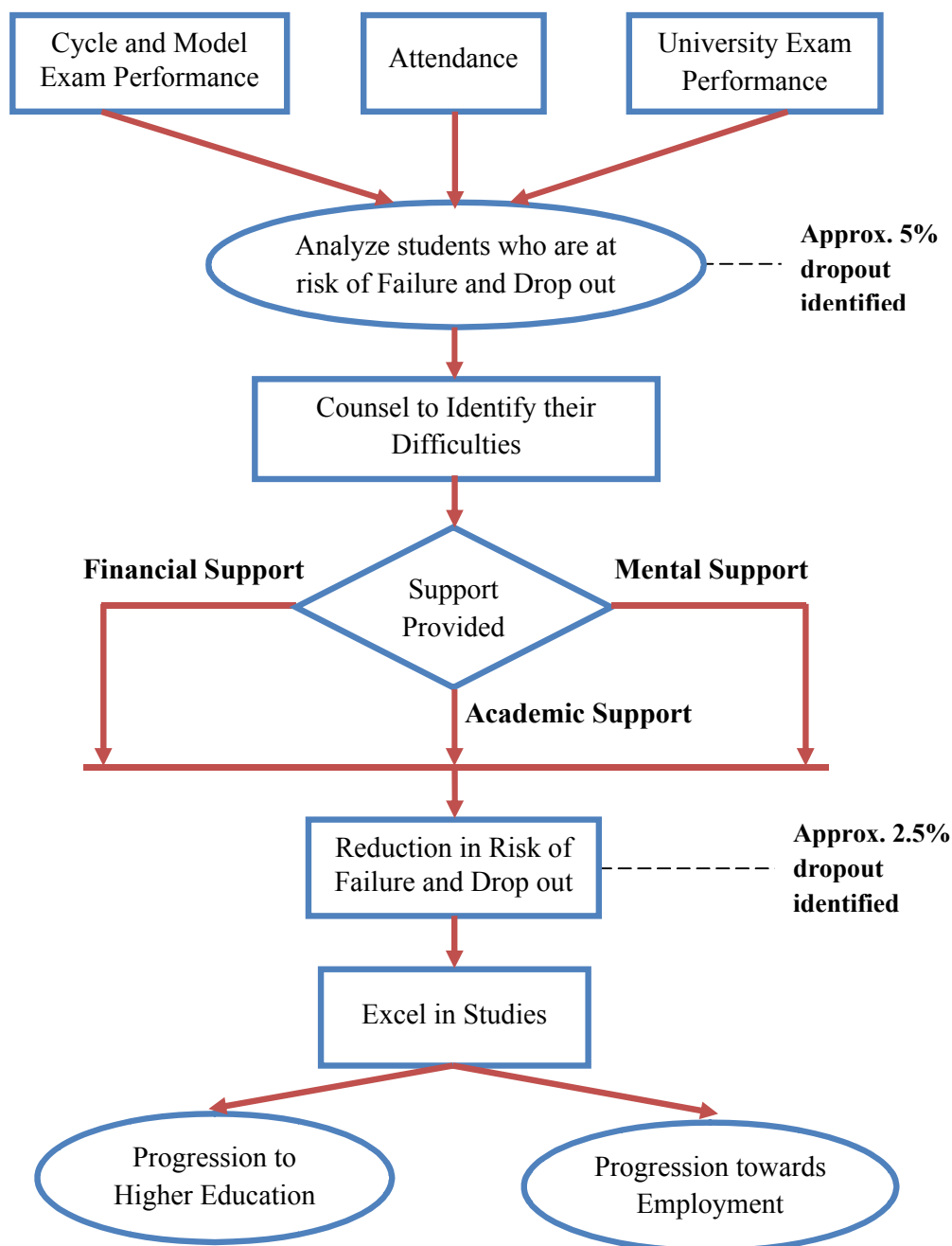


Figure 5.6 Reduction of failure and drop out

5.3 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

- ❖ The college provides excellent sports and games facilities in cricket, football, basket ball, volley ball, throw ball, ball-badminton, athletics and indoor games.
- ❖ Yoga classes are arranged for improving student's health and to control an individual's mind, body and soul.
- ❖ A full-fledged gym is available to make the students fit with a physique.
- ❖ Various cultural and extracurricular activities like folk dances, classical singing, group singing, theatrical items, traditional heritage items, fine arts items, quiz, and literary items are offered to the students.
- ❖ Annual sports meet and annual carnival are conducted.
- ❖ NCC and NSS camps are arranged.

Details of Participation

Year	Level	No. Of students participated
2013-2014	Zonal	130
2012-2013	Zonal	122
2011-2012	Zonal	21
2010-2011	Zonal	25

Program Calendar

Event	Date
Sports Day	20.02.14
College Day	22.03.14
NSS Special Camp	17.02.14

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.

Academic year	No. of students	Events	Venue	Level of Achievement	Position
2010-2011	12 (Men)	Volley Ball	Srinivasan Engineering College	Zonal Tournament	Winner (Third)
2011-2012	4 (Women)	Relay (4X400m)	M.A.M. School of Engineering		Winner (Third)
2011-2012	1 (Women)	Long Jump	M.A.M. School of Engineering	Zonal Tournament	Winner (Third)
	1 (Men)	Running (100m)			Winner (Second)
	1 (Men)	Javelin			Winner (Third)
	1 (Men)	Running (5000m)			Winner (Third)

Academic year	No. of students	Events	Venue	Level of Achievement	Position
2012-2013	16 (Men)	Cricket	M.A.M. College of Engineering & Technology	Zonal Tournament	Winner
	16 (Men)	Foot Ball			Runner
	8 (Women)	Ball Badminton			Runner
	10 (Women)	Volley Ball	Ramakrishna Engineering College		Winner
	4 (Men)	Chess	Parisutham Institute Of Tech & Science	Open State Meet	Runner
	28 (Women)	Athletics	Jayaram Engineering College	Zonal Athletic Meet	Overall Champion
	1 (Men)	Runninig (100m)			Winner (Third)
	1 (Men)	Running (5000m)			Winner (Third)
	1 (Men)	Long Jump			Winner (Second)
	1 (Men)	Long Jump			Winner (Third)
	4 (Men)	Relay (4x100m)			Winner (Second)
2013-14	16 (Men)	Foot Ball	K.Ramakrishnan Engineering College	Zonal	Winner
	5 (Men)	Ball Badminton	TRP Engineering College	Zonal	Winner
	18 (Men)	Cricket	University College of Engineering, Ariyalur	Anna University Zonal	Winner (Third)
	4 (Women)	Ball Badminton	University College of Engineering, Ariyalur		Winner
	12 (Women)	Volley Ball	Shri Angalamman College of Engineering & Technology		Winner

Academic year	No. of students	Events	Venue	Level of Achievement	Position
2013-14	10 (Women)	Ball Badminton	M.A.M. School of Engineering	Anna University Zonal	Winner (Third)
	1 (Men)	Hammer Throw	M.A.M. College of Engineering & Technology	Anna University Zonal Athletic Meet	Winner (First)
	1 (Men)	Running (200m)			Winner (Second)
	1 (Men)	Running (400m)			Winner (Second)
	1 (Men)	Running (10000m)			Winner (Third)
	1 (Men)	400m Hurdles			Winner (Second)
	1 (Men)	Long Jump			Winner (Third)
	4 (Men)	Relay (4x100m)			Winner (Third)
	16 (Women)	Athletics			Overall Champion

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

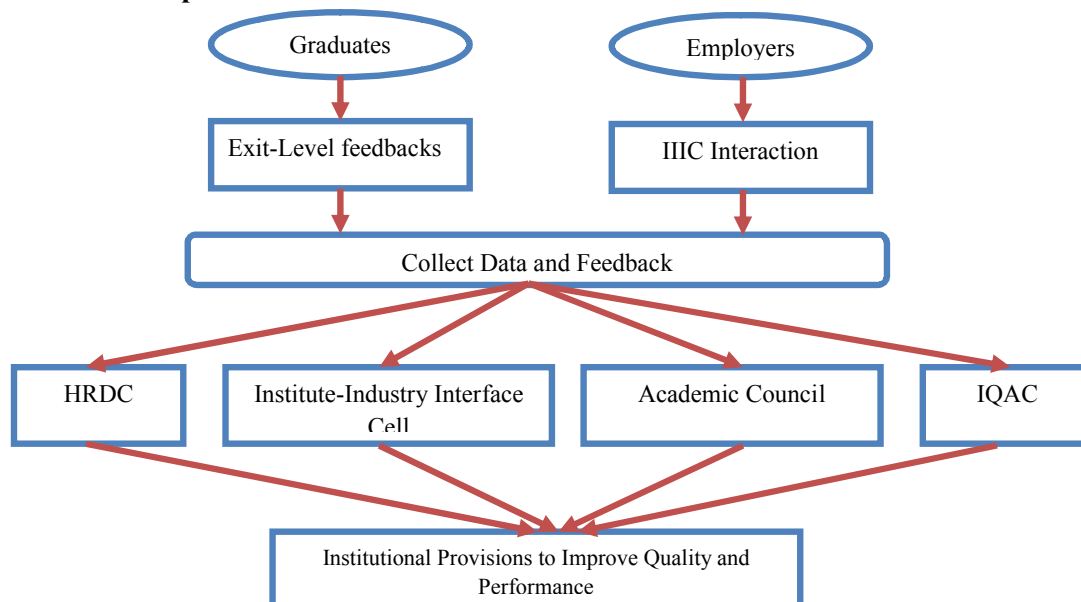


Figure 5.7. Feedback collection Process

The college collects exit level feedback from the graduates. The Industry Advisory Committee collects feedback and suggestions from the employers. The provisions for improving quality and performance are discussed with the advisory committee of the college and necessary steps are taken.

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

The college encourages students to publish their articles, innovative ideas in the student magazine and wall magazine. 40% of students published their articles in the past four years.

Year	Type of magazine	Name of magazine	Period of publication
2013-2014	Student Magazine	iRule'13	Annual
	Wall Magazine	Velocity'13	Half-yearly
2012-2013	Student Magazine	iRule'12	Annual
	Wall Magazine	Velocity'12	Half-yearly
2011-2012	Student Magazine	iRule'11	Annual
	Wall Magazine	Velocity'11	Half-yearly
2010-2011	Student Magazine	iRule'10	Annual
	Wall Magazine	Velocity'10	Half-yearly

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

Yes. The college has a Student Council. Students Council maintains the standards of the college to the satisfaction of the Administration. The President of Students Council will present the agenda for the current academic year. The members present in the council are,

- ❖ President
- ❖ Vice-president
- ❖ Secretary
- ❖ Treasurer
- ❖ Department Representatives

Selection procedure

(i) Students vote on a secret ballot for one of the nominees for each council member, may write in the names of members of the Students Council in the space that is provided, or may abstain.

(ii) The ballot will include the following choices:

- 1) The name of each nominated candidates
- 2) A space for write-in vote
- 3) A “no vote” option

(iii) If no candidate receives forty percent (40%) or more of the votes cast, a run-off election will be held within twenty-four (24) hours with the names of the candidates receiving the highest number of votes appearing on the ballot.

(iv) If “no-vote” wins, nominations will be re-opened and the elections re-run.

(v) Elections may be re-run to fill the positions for which no nominations are received. If no nominations are received in the re-run, the President shall appoint a member to fill the position with the approval of Students Council.

Activities

- ❖ Engineers Day – An awareness program is conducted to show what engineers are doing in the real world.
- ❖ HUB SURFER – A platform to expose talents and to develop their skills in all respects.
- ❖ Organizing college day, sports day, graduation day and association functions.

Funding

The funds for the Students Council are collected in the following ratio,

- ❖ 50% from the management
- ❖ 20% from sponsors
- ❖ 30% from students

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

- ❖ Students Council
- ❖ Academic Council
- ❖ IQAC
- ❖ Research & Development Committee
- ❖ Library Advisory Committee
- ❖ Alumnae Association
- ❖ Women Cell
- ❖ ISTE students chapter
- ❖ Class committee
- ❖ Department associations
- ❖ NCC
- ❖ NSS
- ❖ YRC
- ❖ RRC
- ❖ Anti-Ragging Committee

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.

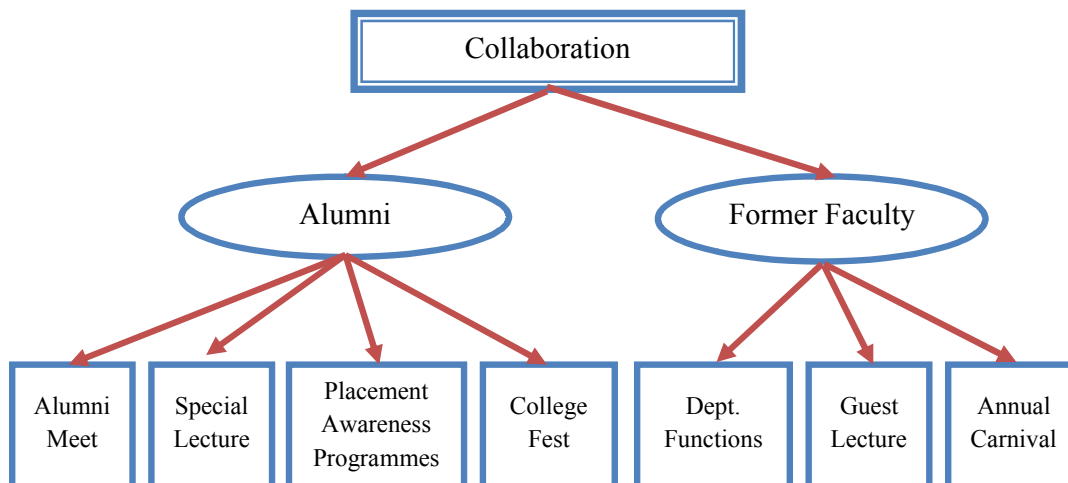


Figure 5.8. Collaboration with the Alumni and former faculty

Interaction with the alumni is done through

- ❖ Conducting periodical alumni meetings
- ❖ Inviting to give special lectures
- ❖ Inviting for placement awareness programmes
- ❖ College fest

The college collaborates with the former faculty by

- ❖ Inviting to department functions
- ❖ Inviting to give guest lectures
- ❖ Annual carnival

Criterion VI: Governance, Leadership and Management**6.1 Institutional Vision and Leadership**

6.1.1 State the Vision and Mission of the Institution and enumerate on how the mission statement defines the Institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, Institution's traditions and value orientations, vision for the future, etc?

Vision

To be a World class nodal center committed to enhance advanced Learning, research and training to serve the nation, meeting the national/international standards.

Mission

To be a premier Engineering College, much sought after by the industries and society by offering professional education and training blended with ethical values to convert student resource into strong assets of our nation.

Our mission is to emerge as an excellent learning centre for budding professional engineers, where social and ethical values are imparted along with technical education that promotes expertise. The education imparted in the college trains the students to take up challenges and become competent to render selfless service to humanity. By promoting the college into an Institution of excellence; this will serve the rural youth by providing easy access to higher education and job opportunities.

6.1.2 What is the Role of Top Management, Principal and Faculty in design and Implementation of its Quality Policy and Plans?

Top Management

- ❖ Management strives hard to design and implement the quality policy and provides long term strategic guidance and direction for the college.
- ❖ Management makes necessary provisions for providing the fund to maintain and improve the quality of infrastructure, faculty, teaching-learning process and research.
- ❖ Management periodically interact with Principal and discuss about quality plans and take necessary steps to improve the quality policy and plans.
- ❖ Management encourage the faculty and students by giving awards for their achievements.

Principal

- ❖ Principal is responsible for the academic and administrative activities of the Institution.
- ❖ Principal frequently interacts with faculty and students to get the feedback and he also interacts with management for the development of Institution.
- ❖ Principal along with faculty, students, and other stakeholders prepares the quality policy of the Institution.
- ❖ Principal takes initiative to develop liaison with eminent academicians, researchers, industries and professional bodies which help to design and implement the quality policy and plans.

Faculty

- ❖ Faculty maintains a high sense of dedication towards their duties with high responsibility.
- ❖ Faculty adheres to the rules and regulations of the Institution and also plays a major role in design and implementation of quality policy.
- ❖ Faculty share their experiences and expertise while designing the quality policy.
- ❖ Faculties counsel the students about the importance of quality and identify their difficulties and guide them to improve their performance.
- ❖ Faculty actively associates with all departmental Institutional activities such as arranging guest lectures, seminars, workshops etc.

6.1.3 What is the involvement of leadership in ensuring?**The Policy Statements and Action plans for fulfillment of the stated mission**

The Policy statements coincide with Institution mission. Management takes the responsibility to provide the facilities for learning and growth of the college by providing budget for improving the infrastructure and making an excellent learning centre where social and ethical values are imparted so that the students are competent enough to meet needs of industry and society. The policy statements and action plans are designed to fulfil the requirements of the mission

Formulation of action plans for all operations and incorporation of the same into the Institutional strategic plan

Action plans prepared under the guidance of Principal and HODs by Academic Affairs Committee to fulfil the strategic plan of the institute. Strategic plan helps to decide the funding, evaluation, appreciation, research etc, and to the growth of the institute. Teaching plans, timetable arrangements and various committees are initiated into their defined roles in formalising and achieving the strategic plan.

Interaction with stakeholders

- ❖ Institute organizes the parents meeting to keep them posted with the information regarding the progress of their wards.
- ❖ Student counselling is conducted every week during counselling hours to identify their problems and they are resolved appropriately.
- ❖ Alumni meetings are conducted to get the suggestions for the betterment of the Institution.
- ❖ Meeting with industrial experts are conducted to get the suggestions about recent trends and needs of industries.
- ❖ Based on current trends the needs are analyzed, planned and implemented in consultation with the stake holders.
- ❖ Management collects the inputs from stake holders about academic results, projects, new programs, research and placements to improve the quality of students as well as Institution.

Reinforcing the culture of excellence

The Motto of our institute, “Towards Excellence” is always avidly maintained. The college believes and strives for excellence through methods of professionalism.

Champion organizational change

Promote collaborative introduction among organization members, establishes a supportive social climate and promotes the practices that ensure equitable treatment by organizing orientation programme, research and, development programme, career guidance programme for faculty and students which are considered critical for organizational change.

6.1.4 What are the Procedures adopted by Institution to monitor and evaluate policies and plans of the Institution for effective implementation and improvement from time to time?

- ❖ Some members of the management trust serve as members of the college governing council.
- ❖ The committee meets periodically to discuss the progress of the college.
- ❖ It evaluates the existing policies and gives guidelines for improvement.
- ❖ It monitors the preparation of academic calendar and prospectus of the college.
- ❖ Recommends to conducts motivational lectures, seminars, workshops and conference to achieve academic excellence.
- ❖ Arranges campus interviews.
- ❖ The facilities of counselling cell and grievance redressal committee are used to address and solve the problems of students.
- ❖ Allocates a budget for each department keeping in mind the specific requirements.

Institute adopts the following procedure

- ❖ Monitors the attendance of students through HOD and respective subject faculty.
- ❖ Conducts cycle test, and internal assessments.
- ❖ Analysis of university exams is done.
- ❖ Takes feedback from students, alumni and industry.
- ❖ Class committee meetings are conducted by HOD twice in a semester to review the attendance, syllabus completion and students' difficulties.
- ❖ Periodical ISO certification audit.
- ❖ Accreditation for eligible programmes.
- ❖ Conducting conferences seminars, workshops, guest lecture etc.
- ❖ Promotes staff members and students to participate in seminars, conferences, workshops, quality improvement programs etc.
- ❖ Promotes participation of students in NSS, NCC activities to improve overall personality and an attitude of service to the society.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

- ❖ The faculty members are made to actively get involved in decision-making process at all levels.
- ❖ They are members of IQAC, class committee, student counselling, EDC, IIC, Grievance committee, purchase committee, discipline committee, HRDC, alumni association, time table committee, anti-ragging committee, hostel committee, anti-ragging committee and various committee for college functions like College Day, Annual Day, Graduation Day, Sports Day etc.,
- ❖ Meetings of the above mentioned Committee are conducted in which the faculty members provide suggestions on different issues like subject allotments, lab and library requirements, student projects, etc.
- ❖ In all the student centred activities also the faculty members have important role to play, recommending places for industrial visits, in-plant training, topics for final year projects, student discipline, development programmes, seminar, conferences and cultural functions.

6.1.6 How does the college groom leadership at various levels?

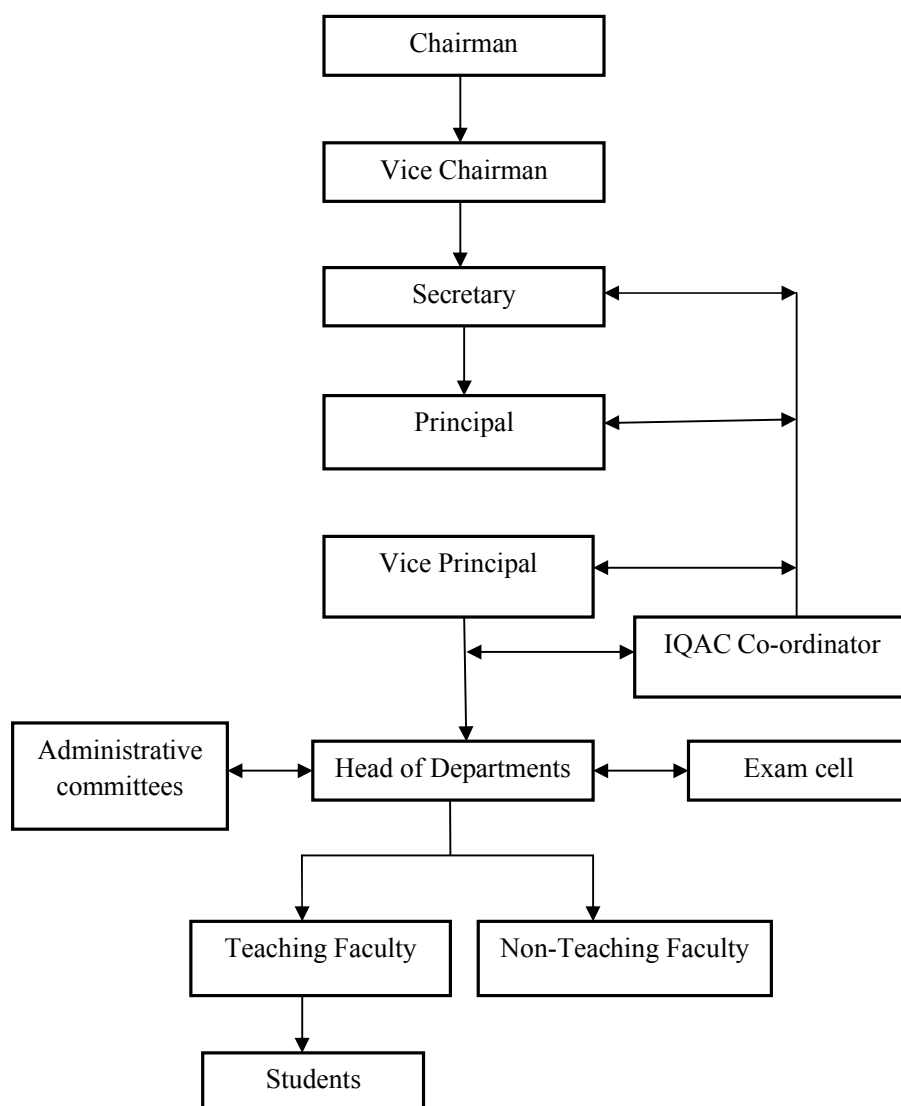
Management Level: Forms various committees with faculty at the helm and train them in leadership. It also appoints the Principal and Vice-principal as members in the committee.

Principal Level: Responsible for academic and administrative activities of the Institution. Hence forms several committees (with the approval of management) with staff members as head of such Committee and grooms leadership.

HOD Level: Responsible for overall functioning, laboratory and maintenance of department. Forms the head of the departmental committee, groom staff members to lead different departmental committee.

Faculty Level:

- ❖ As mentors and class advisors
- ❖ Planning and execution of several department activities, preparation of budget and purchase effectively.
- ❖ As coordinators for preparation of ISO, NBA, NAAC inspections.
- ❖ Organizing College Day, Graduation Day, Independence Day, Sports Day and other functions.



6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the Institution and work towards decentralized governance system?

The Institution believes in promoting a culture of decentralized governance system,

- ❖ Adequate and systematized autonomy to all the departments and sections is provided.
- ❖ Class committee and students associations with representation from meritorious, average, slow learners from both male and female students.
- ❖ Refining and redefining activities by keeping in view of the deliberations of class committee and associations.
- ❖ Organization of several activities by students to enhance the capabilities of students under the advisory ship of faculty member, hone their event management skills.
- ❖ Empowering HOD to distribute work load to faculty, to identify the add on courses to deliver and to identify the content beyond syllabus and to organize various faculty and student empowerment programmes with the help of members of class committee, teaching and non-teaching faculty of the department.
- ❖ Allocation of budget on the basis of the proposals received from the department.
- ❖ Participation of lab technicians also in making budget proposals.
- ❖ Conduct of midterm examinations by departments.
- ❖ Decentralized governance system with well defined inter relationships.
- ❖ Empowering the faculty member in-charge of a lab to devise and implement the necessary plans for effective conduction of the lab.

6.1.8 Does the College promote a culture of Participative Management? If “Yes”, Indicate the Levels of Participative Management?

Yes; the college promotes a culture of participative management. Participative management Levels are Management, Principal, HOD, Faculty and Students. At each level active part is taken in planning and implementation of and policy matching of the institute. Faculty is involved in planning and implementation of the academic and teaching-learning processes.

HOD: Responsible for overall functioning including laboratory and maintenance of discipline.

Principal: Responsible for all academic, non-academic and administrative activities of the Institution.

Management: Suggestions for provision of taking welfare measures and monitors quality improvements.

- ❖ The Management invites a senior faculty member to represent the faculty in the academic meetings where important resolutions are taken.
- ❖ The Heads of all departments and the senior faculty are actively involved in the decision making process ensuring an overall growth of all departments.
- ❖ IQAC is constituted as per the norms of UGC. This ensures involvement of teaching and non teaching faculty, students, industrialist and the management board members in the decision making process.

6.2 STRATEGY DEVELOPMENT AND DEPLOYMENT

6.2.1 Does the Institution have a formally stated quality Policy? How is it developed, driven, deployed and reviewed?

Yes; Our Institution has formally stated a quality policy, “Our College is committed to achieve recognition as Institution of Excellence by consistently providing quality education in the fields of Engineering, Technology and Management with professionalism and global outlook ensuring continual Improvement”.

Based on the vision and mission of the Institution, the governing council develops the quality policy driven by the needs of the industries, society and stakeholders to bridge the gap in curriculum and the same is deployed and monitored through:

- ❖ IQAC.
- ❖ Enhancing teaching-learning process.
- ❖ Making self deployment through FDP.
- ❖ Arranging industrial visits, inplant trainings, guest lecture for students.
- ❖ Efforts are taken to provide career opportunities for the students.
- ❖ Students’ performance is analysed by faculty and faculty performance is analysed by Principal. Finally the feedback is given to the management.

Quality policy is periodically reviewed by the information gathered from the students, parents, various committees on teaching-learning process and development of the Institution are acknowledged for the further improvement of the performance and decision making.

6.2.2 Does the Institute have a Perspective Plan for Development? If so, give aspects considered for inclusion in the Plan.

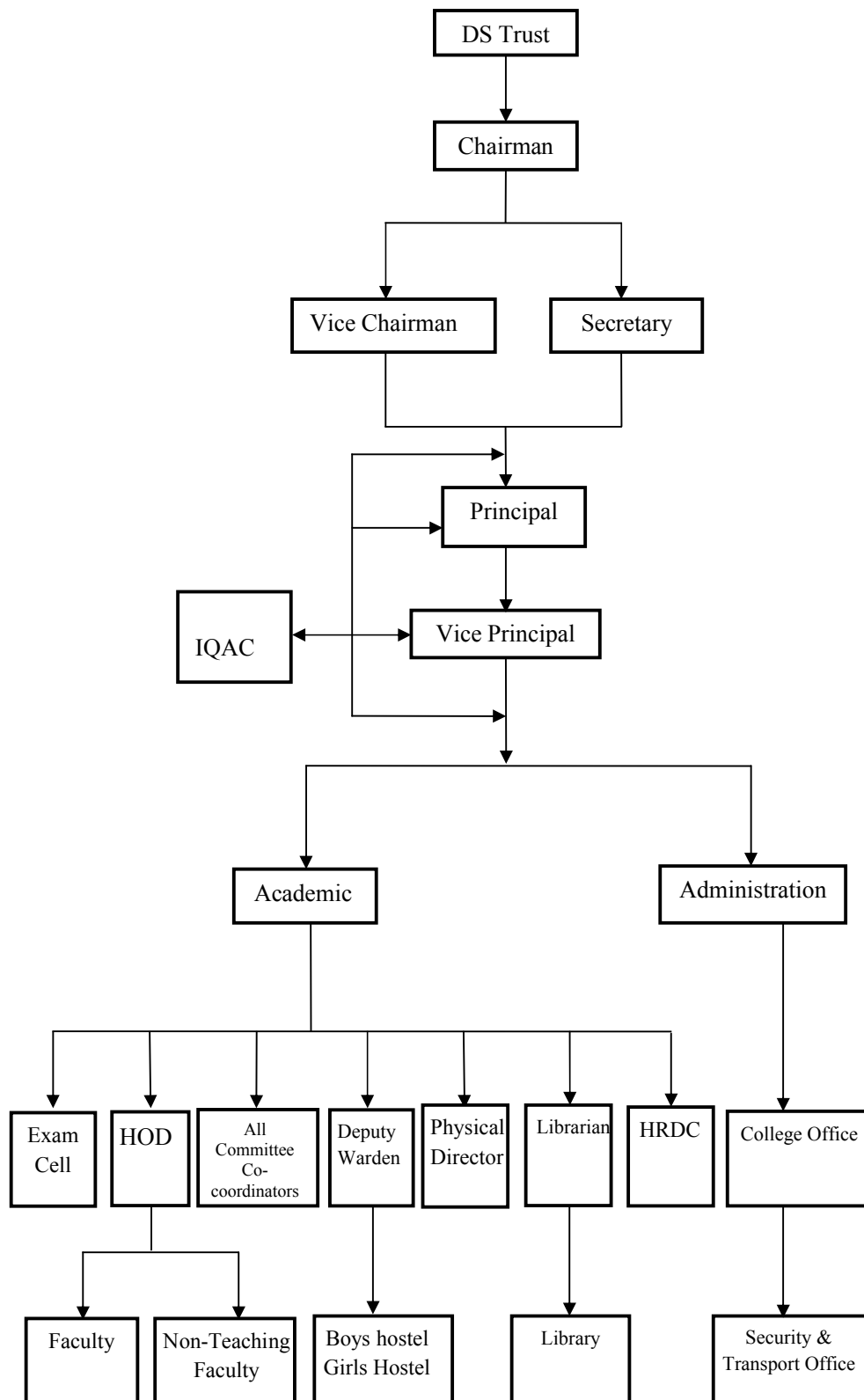
Yes; the institute has a perspective plan for development.

- ❖ It is developed by Principal under the guidance of governing council and HOD’s of various departments. Based on the academic schedule given by the affiliating university, academic calendar was prepared by the Academic Affairs Committee

- ❖ The Academic calendar includes the list of pre-planned programmes of various departments and exam schedules prepared with the knowledge of HOD's. To ensure development of the college, all the planning and execution are monitored regularly.
- ❖ Provision of adequate annual budget in the plan.
- ❖ The aspects to be included in the perspective plan will be drawn from the following committee recommendations with priority,
 - Governing Council
 - Academic Affairs Committee
 - Student Council
 - Human Resource and Development Cell
 - Entrepreneurship Development Cell
 - Internal Quality Assurance Cell
 - Institute- Industry Interface Cell
 - Student Counselling Mentors
 - Grievance Redressal Cell
 - External and Internal Quality Audit
 - Anti –Ragging Committee
 - Plan and Welfare Committee
 - Alumni Association
 - Library Committee
 - Journal Committee
 - Research Committee
 - Hostel Committee
 - Women Cell

6.2.3 Describe the Internal organizational structure and decision making Process.

The college is run by Dhanalakshmi Srinivasan Charitable and Educational Trust. The Chairman, Vice-Chairman and Secretary take care of functioning and operations of academic and administrative aspects of the Institution. The Principal heads the academic and administrative departments of the college. The Vice – Principal and HODs are in-charge of academic and administrative functioning of the departments. Faculty takes care of the academic aspects and activities related to co-curricular and extra-curricular aspects. The college has various committees to monitor the quality of the Institution. The following flowchart shows that the internal organizational structure and decision making process.



6.2.4 Give a Broad description of the quality improvement strategies of Institution for each of the following:

The Institution executes all quality improvement strategies through the formation of an IQAC.

a) Teaching & Learning

Our college delivers curriculum using an innovative "blended approach" that includes development of programmes and courses based on industry and academics inputs, classroom teaching coupled with web based contents, continuous assessment, organized feedback from students and further improvisation of teaching techniques.

- ❖ Course plan, Course materials and notes.
- ❖ Black board presentation, OHP Presentation, Power Point Presentation, Study on Model.
- ❖ Group Discussions, Tutorial classes, Individual student seminars.
- ❖ E-learning resources like NPTEL and other video lectures.
- ❖ Library references, journals, DELNET and internet facilities.
- ❖ Guest lectures, Workshops, Seminars.
- ❖ Assignments, Slip Tests, Quizzes etc.
- ❖ Industrial visits, In-plant trainings, internship, in-house projects.
- ❖ Class committee meetings and counselling hours.

The subjects are allotted to the faculty before the semester begins based on their specialization and experience. The Faculty members are then asked to submit the lesson plan, notes and question bank to the HOD. Faculty maintain the subject log books, records of daily lectures delivered and practical's conducted. This is reviewed by the HOD weekly and counter signed by Principal monthly. Internal tests are conducted to students and their results are analysed. Based on the results, the following remedial measures are taken:

- ❖ Guiding the students on the preparation and presentation in exams.
- ❖ Arranging tutorial classes.
- ❖ Conducting special coaching classes for slow learners.
- ❖ Conducting additional tests.
- ❖ Offering counsel to the students.
- ❖ Encouraging the students to attend workshops, conferences and seminars.
- ❖ Providing assorted references material.

b) Research and Development

Faculty is encouraged to pursue research by providing them the facilities by research committee and journal committee. The above mentioned committee is framed to motivate the faculty and students to promote research and development activities and registering for patents. Further also encourages technical publications, submission of research proposals to various funding agencies. Faculty is allowed for on-duty leave to attend the seminars, research

activities etc. We received the grants from AICTE and other funding agencies, which helps our faculty to pursue their research.

c) Community engagement

Institute conducts the Community Programmes like NSS, NCC, Red Cross, Health Centre, Blood Donation, Awareness Programmes, and Interact with the community. Entrepreneurship Development Cell focuses on development of Entrepreneurs. The students of the college get an opportunity to imbibe the basic principles of serving society.

d) Human Resource Management

Our Institution has a HRD cell which liaises with prospective employers to recruit the qualified students on the basis of their performance in the campus interviews. The requirement of faculty is given by the HODs to the Principal well in advance. The HR consolidates all the requirements and sends an open advertisement in the dailies. Then, the received applications in response to the advertisement are shortlisted and recruited through staff selection committee.

e) Industry Interaction

Industry interaction is necessary to understand the current trends in industries. Our institute got accreditation with TCS and Shri Ram valued Limited. MOUs are signed with other industries to get our students trained through in-plant training and eventual placement. The industry interaction made by the following,

- ❖ Industrial Visits
- ❖ In-plant Training
- ❖ Guest Lectures by professionals from industry
- ❖ Institute - Industry Interface Cell
- ❖ Entrepreneurship Development Cell
- ❖ Professional bodies like CSI, ISTE, ICTACT, etc.

6.2.5 How does the Head of the Institution ensure that adequate information (from feedback and personal contacts etc) is available for top Management and the stakeholders, to review the activities of Institution?

- ❖ Grievances committee is formed by the Head of the Institution to monitor the Complaints received from faculty and students and subsequent remedial measures adopted.
- ❖ The feedback from the students is collected twice a semester. Based on the feedback the Principal/HOD conduct the faculty meeting to discuss the students' grievances.
- ❖ Class committee meeting is conducted twice a semester by HOD and Principal. All grievances of students and faculty are ironed out.
- ❖ Alumni association / meet help to get the feedback from the alumni and improve the quality of students.
- ❖ The feedback from the above committee is collected and analyzed by the Principal and conveyed the issues to management to fulfil the needs of all stakeholders.

- ❖ Actions taken on feedbacks are communicated to all stakeholders.

6.2.6 How does the Management encourage and support involvement of the staff in improving the effectiveness and efficiency of the Institutional processes?

The Management is always encouraging and supporting the involvement of staff in improving the Institutional process. The faculty is encouraged to attend seminars, workshops, and conferences, guest lecturers either as participants or resource persons. On-duty leave is given for such activities. Staff members are made members of one committee or the other. This improves the effectiveness and efficiency of the Institutional processes through effective involvement of teachers.

6.2.7 Enumerate the resolutions made by the management council in the last year and the status of implementation of such resolutions?

Details of resolutions made by the Management council (Governing Council) in the last year are:

- ❖ To seek 2(f) recognition from the UGC.
- ❖ To apply for getting accreditation from NAAC.
- ❖ To apply for a Research Centre Status for the departments of Computer Science and Engineering, Electronics and Communication Engineering and Mechanical Engineering.
- ❖ To take necessary steps to improve the performance of students in the internal and university exams.
- ❖ To prepare and submit suitable project proposals to AICTE and other external funding agencies.
- ❖ To improve research, extension and consultancy activities.

Status of implementation of resolution passed by Management Council is:

- ❖ The Departments of Computer Science and Engineering, Electronics and Communication Engineering and Mechanical Engineering having applied for Research Centre Status by the Anna University.
- ❖ The College has applied for 2(f) recognition from the UGC.
- ❖ Research Proposals like MODROB, Seminar Grants, and FDP are submitted to AICTE.
- ❖ Application for accreditation from NAAC is in progress.
- ❖ Journal publications are encouraged and necessary steps are taken to publish the research papers of faculty and students in reputed journal by Journal Committee and Research Committee.

6.2.8 Does the affiliating university make a provision for according the status of autonomy?

Yes; the affiliating university makes provision for according the status of autonomy to an affiliated Institution. Presently our Institution has planned to apply for the autonomous status.

6.2.9 How does the Institution ensure that grievances/complaints are promptly attended to and resolved effectively? Is there a Mechanism to analyse the nature of grievances for promoting better stakeholder relationship?

Yes; the Institute has a grievances cell to resolve the grievances of students and staff.

- ❖ Grievances/complaint redressal committee provides complaint boxes at various locations in campus grievances redressal committee conduct meeting frequently and discuss about the grievances given by the students and staff and take the necessary steps to resolve the grievances immediately.
- ❖ Anti-Ragging committee was formed and the contact numbers of the committee members are displayed in all notice boards through which students can contact the committee members for their grievances and to resolve it.

6.2.10 During the Last Four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

NIL

6.2.11 Does the Institution have a Mechanism for analyzing student feedback on Institutional performances? If “yes”, what was the outcome and response of the Institution to such an effort?

Yes; the Institution has a mechanism for analysing the student feedback on Institutional performances.

- ❖ The feedback from the students regarding the staff members, facilities and other issues are received twice a semester.
- ❖ By conducting the class committee meeting the difficulties faced by the students are rectified.
- ❖ By means of alumni meeting, the feedback regarding the Institution from passed out students is collected.
- ❖ As a result of those feedbacks, the Principal is able to interact with faculty and HODs to improve the Institutional performance. Then Principal is able to convey the problems discussed in the meeting to management. The Management finally takes proper decision to improve the overall competency of the students.

6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the Institution to enhance the professional development of its teaching and non teaching staff?

The Institution is making its efforts for the professional development of the teaching and non-teaching staff through encouraging the staff to attend

academic activities like workshops, conferences, and seminars. It also provides registration fees, TA/DA and On-Duty leave for these events. The Institution has conducted several faculty development programmes for teaching faculty. They include programmes on faculty development, personality development, skill upgradation, software testing workshops, Training on business application in software, effective communication skills etc., Faculty makes use of NPTEL video lectures prepared by IIT experts to improve teaching-learning process. Faculty is encouraged to utilize the infrastructure of the college to enhance their professional development and also to do research work in their respective field. The Institution provides the facilities for the technical staff members to upgrade themselves and also pursue higher studies.

6.3.2 What are the strategies adopted by the Institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

Teaching experience prior being recruited in this college is considered for increment in their pay. Every year Faculty Development Programme is conducted by the management to train and refresh the teachers in latest information and improvements made in their respective field. Pay for the faculty will be revised every year according to their performance and experience. Faculty are motivated to publish articles in journals and books and also permitted to attend Faculty Development Programmes conducted by different Institutions. The Staff members are appreciated and motivated for their exemplary performance by means of cash awards, certificate of appreciation and promotion.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

Standard performance appraisal forms have been created, such as faculty self appraisal, HOD appraisal and student feedback on each faculty. Once in a semester performance appraisal is carried out for staff members. The self appraisal enables the staff to give information of the activities like teaching, research, co-curricular and extracurricular, social, study material development and counseling of students. It is perused by HOD and Principal for granting appraisal, appreciation and rewards. The information on multiple activities is appropriately captured and considered for better appraisal through periodical reviews, feedback from the stakeholders and faculty self appraisal. Self-appraisal of staff members are evaluated by an expert in the areas of specialization of the staff members and their evaluation is communicated for their improvement.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

The management always plays a vital role in the performance appraisal of the staff. Annual increments and promotions in the grades are all implemented by the management. The management takes effective decisions and provides appraisal details to the appropriate staff members by incorporating the decisions in the proceedings of the meetings of the managing committee to make them aware of the improvements and action plan of the Institution. Decisions taken by the management are communicated through HOD concerns, circular, official orders etc. Faculty are motivated to publish their research papers in reputed journals and books and also to submit research proposals to funding agencies.

6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

A college can be a creative place, only if the employees are satisfied. The management has offered several welfare schemes for teaching and non-teaching faculty. The management provides a good working environment for the employees by way of providing good infrastructure, internet facilities, canteen, transport facilities etc.

- ❖ Every day free refreshments are provided.
- ❖ Provision for Provident fund.
- ❖ Free Medical Aid through Dhanalakshmi Srinivasan Medical College and Hospital.
- ❖ Hostel facilities are provided 'single' faculty.
- ❖ On-Duty facility is extended wherever applicable.
- ❖ Fees concessions are provided for the faculty's ward.
- ❖ Memberships in associations are encouraged.
- ❖ ATM facilities are provided in the campus.
- ❖ Maternity, Medical and Marriage leave is provided to the faculty.

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

Providing an academic environment conducive for teaching, pursuing research, participation in curricular, co-curricular, extra-curricular, training and placement activities aimed to enhance the quality of education, competency of the students and the reputation of the Institution. Systematically conducted appraisal and giving due recognition and awards for good performance, making available a number of staff welfare schemes, maintaining a good administrative system and offering attractive salary.

6.4 Financial Management and Resource Mobilization**6.4.1 What is the Institutional mechanism to monitor effective and efficient use of available financial resources?**

The overall budget for the college is approved by the Management at the end of each financial year. The budget includes the recurring and non-recurring expenses of each department for the whole year. Finance department of the trust takes care of the collection of tuition fees, salary distribution, tax payment, Preparation of purchase orders for purchase of laboratory equipments, teaching aids, furniture, payment of bills and maintaining the department budget allocation and expenditure etc. Every financial transaction is recorded. All procedures and dealings are computerized. For day to day expenses a petty cash account is maintained and the account is recouped weekly. The institute maintains the account by means of a software called e-college. Each transaction is supported by Vouchers.

6.4.2 What are the Institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

Institute conducts the internal audit twice in a year. In internal audit, expenses incurred against budget approved are verified. Expense vouchers approved by Principal and Vice-Principal are audited by internal auditors. Audit reports are submitted to the auditor's office.

External audit is conducted in the month of March. Books of accounts are prepared as per statutory requirement and audited annually by External Qualified Chartered Accountants.

6.4.3 What are the major sources of Institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

As the college is a self financing Institution, affiliated to Anna University, its income is mainly from tuition fee receipts, as fixed by State Government. Due to collection of sufficient funds, there is no deficit. If there is any deficit, the Management will bear it.

6.4.4 Give details on the efforts made by the Institution in securing additional funding and the utilization of the same (if any).

A source of additional fund includes AICTE – MODROB, seminar grants and other outsourcing funded activities for conducting seminars, conferences and workshops, besides sponsorships from alumni. Additional requirement of fund as and when needed will be allotted by the trust. The Institution organizes seminars, conferences and modernizing the laboratories

and the expenditure for those activities are met by the grants received from various agencies.

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

a. Has the Institution established an Internal Quality Assurance Cell (IQAC)? If ‘yes’, what is the Institutional policy with regard to quality assurance and how has it contributed in Institutionalizing the quality assurance processes?

Yes; the Institute has established IQAC on 14.03.2014. Our Quality Policy “**Our College is committed to achieve recognition as an Institute of Excellence by Consistently providing quality education in the fields of engineering and technology with professionalism and global outlook ensuring continual improvement**”, which continuously strives to achieve standards of excellence in teaching-learning process, continuous education, research and lifelong learning.

b. How many decisions of the IQAC have been approved by the management/ authorities for implementation and how many of them were actually implemented?

All the decisions of IQAC, ever since its formation have been approved by the management and implemented.

Decisions taken by IQAC:

- ❖ Enhancing teaching-learning process.
- ❖ Recommends to organize/attend FDP, seminars, workshops, etc.
- ❖ Efforts are taken to provide career opportunities to all the students.
- ❖ Course materials must be prepared with visual aids.
- ❖ Recommends to form a committee for motivating the students towards research publications.

c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

Yes; IQAC has External members. They have offered suggestions based on their perspectives in improving the performance of our Institution.

d. How do students and alumni contribute to the effective functioning of the IQAC?

IQAC has students as its members. IQAC interacts with the student members as well as alumni for their feedback on effective functioning of the IQAC. Alumni give the suggestions about industry expectations. Students also share the academic and co-curricular requirements with IQAC.

e. How does the IQAC communicate and engage staff from different constituents of the Institution?

IQAC Coordinator visits the departments and conducts the meetings with the staff. In the meeting they review the performance of the staff. IQAC also engage some staff for its administration and development work. The communication is done through circulars, e-mails and meetings. The IQAC also has staff members of the Institution as its members. These members also help in communication with IQAC.

6.5.2 Does the Institution have an integrated framework for Quality assurance of the academic and administrative activities? If ‘yes’, give details on its operationalisation.

Yes; the academic and administrative activities are monitored regularly through internal and ISO audits, as our Institution is **ISO 9001:2008** Certified Institution. In addition to this accreditation process also helps in ensuring quality in academic and administrative activities.

6.5.3 Does the Institution provide training to its staff for effective implementation of the Quality assurance procedures? If ‘yes’, give details enumerating its impact.

Yes; the Institution provides training to its staff for effective implementation of quality assurance procedures. Our Institution encourages the selected faculty on a regular basis to undergo the courses to enable them to perform internal audit for other departments. Further, employees are also trained at the department level. Faculty are advised to monitor the workflow of the competitive colleges and thereby to improve their inter personnel skills. Meetings are conducted to apprise staff of quality assurance procedures and their implementation. IQAC organized training on quality assurance and improvements have been planned and such trainings have been given. Dr.K.V.Krishnamurthy, former Registrar, has been invited to appraise the staff members regarding NAAC accreditation and its importance through a one day seminar.

6.5.4 Does the Institution undertake Academic Audit or other external review of the academic provisions? If ‘yes’, how are the outcomes used to improve the Institutional activities?

Yes; external academic audit is being carried out by the ISO system auditors at both internal and external levels. External review by ISO and the suggestions given by BSI are taken into account and the non compliance report is rectified. The audit gives the feedback about the areas where there is scope for improvement. Accordingly Institute plans and implements the processes.

Academic audit is a regular feature in continuous monitoring of the students. Academic performance of the college is monitored by the affiliating university regularly, through, (i) Students attendance, (ii) Internal Exam Marks, (iii) Semester Exam Marks and (iv) Semester wise performance and comparison with other University affiliated colleges.(v) IQAC made one internal audit to all disciplines

6.5.5 How is the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

Internal Quality Assurance System is aligned with requirements of external quality assurance agencies in terms of quality of teaching-learning process. Teaching Quality is monitored by the HOD's concerned. Based on above the corrective and preventive actions are implemented. ISO audit conducted every year to monitor academic and administrative performance. Feedback from the stakeholders is collected and on that basis the Institution ensures effective quality assurance. IQAC mechanisms are developed using the guidelines of various quality assurance agencies like NBA, BSI, NAAC and professional bodies for quality education. Internal audits generally match with ISO audit reports.

6.5.6 What Institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

Subject allocation is done as per the faculty specializations, willingness and experience. Faculty are requested to submit lesson plan, notes and question bank before the commencement of the semester and verified by the HOD. Log book is maintained by each faculty which contains the students' attendance and performance in tests and syllabus completion status. This is reviewed weekly by the HOD and monthly by Principal. Teaching-learning process is monitored and improved by internal exams, student' feedback, class committee meeting, counseling, faculty self appraisal etc. IQAC reviews the above process and takes necessary steps for the improvement of quality education. IQAC along with HRDC interacts with industry experts to identify latest trends in industries. Then the quality in learning process is improved effectively by providing industrial training. Through these activities, the number of university ranks and placement increased considerably besides an increase in number of students pursuing higher education. Every year ISO audit report component on teaching-learning process is reviewed at the Institutional level and its suggestions are implemented.

6.5.7 How does the Institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

Institution communicates its quality assurance policies, mechanisms and outcomes to internal stakeholders (Students, Staff) through meetings, circulars and notice boards and to external stakeholders (Parents, Alumni, Industries) through mail, college websites, brochures, calendar, magazines etc., and also by means of conducting meetings with parents, alumni and industries.

Criteria VII: Innovations and Best Practices**7.1 Environment Consciousness****7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?**

Yes; the college takes great interest in maintaining the campus highly eco-friendly and energy conservative. Environment perception club is actively participating in taking survey process once in a year for auditing campus facilities and environment consciousness like analyzing carbon sequestering, green-treating the waste water, planting green trees and maintaining green environment. The Institution spends an ample amount for conservation of meadows and for planting of trees in the campus.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?**Energy Conservation**

- ❖ Placards conveying the importance of the energy conservation are made visible all over the college campus to create awareness among the staff and students on energy conservation.
- ❖ The institute propagates the importance of energy conservation by intimating staff and students to turn off the fans and lights in hostel and college whenever not needed. Proper supervision is carried out by concerned authorities.
- ❖ Awareness programme is conducted periodically for elaborating the importance of water resource and advised to close the tap water whenever not needed.
- ❖ The use of transparent glass windows surmounts the use of other windows by providing natural light in all classrooms.

Renewable Energy

- ❖ The lawns and saplings in the garden are watered by the recycled waste water which is treated properly in the plant.
- ❖ Solar heaters are installed for minimizing the usage of electrical power. It provides hot water to the students in the hostels.

Water Harvesting

- ❖ To sustain the ground water availability the Institution has adopted rain water harvesting system.
- ❖ All open terraces are fitted with collection pipes which collect rainwater and sent to the ground through designed drains.

Check Dam Construction

- ❖ Wells are constructed inside the campus. Rain water is accumulated in these wells and they are used for daily use.

Efforts for Carbon Neutrality

- ❖ College vehicles are subjected to carbon emission test regularly.

- ❖ Moreover the campus allows only restricted entry of motored vehicles inside the campus with well planned parking facility.
- ❖ To maintain eco-friendly environment, battery operated vehicles are functioning in our college premises.

Plantation

- ❖ Many saplings are planted in the campus periodically.
- ❖ Proliferation of green environment is encouraged by our Institution.
- ❖ The planted trees are used to shelter many birds.
- ❖ NSS camps organize tree plantation in and around campus during annual 'Vanamahotsav Day'.

Hazardous Waste Management

- ❖ Waste separation at sources.
- ❖ Biomedical waste are sterilized and buried into the soil after proper precaution.

e-waste Management

- ❖ e-waste like computers, printers and laboratory waste are properly disposed through approved agency as suggested by pollution control board.

7.2 Innovations**7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the College.**

The Institution has strived to introduce the IQAC and Research committee to encourage departments to innovate in areas of teaching - learning process and research. Innovations that evolve in these areas are discussed in board meetings and staff meetings of the Institution.

- ❖ The Research committee involves in evaluating "Innovative Project Award" which is given to the students of every department for the best project. This in turn motivates students to explore many innovative ideas.
- ❖ Placards were displayed all over the college conveying Do's & Don'ts in case of emergency situations like fainting, chest pain, seizure and unconsciousness. The contact numbers are displayed for immediate communication during emergency period.
- ❖ The college encourages students to actively participate in national and international conference organized by various Institutions, say providing travel allowance, daily allowance and registration fees. This creates opportunity for the students to meet competitive world.
- ❖ The Institution offers skilled courses beyond the syllabus for the students of every department. This programme is conducted every weekend, giving them opportunity to improve their technical knowledge.
- ❖ During annual day, rewards are given to staff members who produce results of 95% and above in Anna University Examinations.

- ❖ News in Education [NIE] system was followed in hostel for enhancing the students' creativity.
- ❖ Organizing personality development programmes every year.
- ❖ Biogas plant is installed at our campus for catering purpose.
- ❖ The waste water plant is constructed inside the Institution, to recycle the waste water from various domestic usages. The proper functioning of the plant is regularly supervised by the concerned authorities.
- ❖ Laundry services are provided to hostel students at nominal cost
- ❖ Separate quality food is provided for Andhra, Kerala, Tamil Nadu and Manipuri students according to their custom.
- ❖ Hall system is introduced where students govern and maintain the facilities in the hostel on their own.

7.3 Best Practices

7.3.1 Elaborate on any two best practices in the given format at page no.98, which have contributed to the achievement of the Institutional objective and/or contributed to the Quality improvement of the core activities of the college.

Best Practice 1

1.Title of Practice

“Organizing Personality Development Programme for the students”

2.Goals

- ❖ To encourage hostel students for practicing Yoga.
- ❖ To enhance the students' reasoning ability.
- ❖ To improve the decision making ability of the student
- ❖ To motivate the student to get placed in core companies.
- ❖ To create leadership qualities among every individual.
- ❖ To support the students' career by ensuring their job in reputed companies.

3. The Context

The students are in a competitive world. Efficient planning and extraordinary training is required by every individual to claim their desired attitudes. Our Institution trains the students from the third semester onwards. The involvement of the students and the contribution of the faculty in this training programme have uplifted the status of the students to greater heights. As a consequence the students move towards their desired goals hopefully.

4. The Practice

The Institution put forth all its efforts for bringing out a positive outcome from personality development programme. It includes

- ❖ Our college encourages hostel students to practice yoga, meditation and pranayamas which help the students to gain concentration and to get relived from stress through strengthening the physical health and human soul.

- ❖ The training programme conducted by reputed training Institutions which visit our college regularly.
- ❖ Various seminars are arranged for the students' to eliminate their stage fear specifically.
- ❖ Eminent personalities from several multinational industries and companies are expressing their experience to the students. So the students are aware of the organization's work culture.
- ❖ Regular monitoring is carried out by the faculty over the students from human resource department to identify their progress after training.
- ❖ The training programme conducted for the past years are listed below:

Personality Development Programme Details

Training Details - Academic Year 2010 -2011						
S. No	Date / Period	No. of Days	Training Details	Training Agency	No. of Students	Batch Details
1	20.12.2010 - 24.12.2010	5	Soft Skills	FACE	380	Final B.E / B.Tech & MCA
2	02.12.2010 03.12.2010 07.12.2010 08.12.2010	4	Aptitude Training - Numerical Ability	A Cube Training Consultants	250	Final B.E / B.Tech & MCA
3	Daily (Morning Session)	-	Yoga and Meditation	World Community Service Centre, Perambalur	180	First year B.E
4	11.12.2010 12.12.2010 13.12.2010	3	Aptitude Training - Verbal Ability	A Cube Training Consultants	130	Final B.E / B.Tech & MCA
5	4.01.2011	1	Aptitude (TCS Question Discussions)	FACE	380	Final B.E / B.Tech & MCA
6	7.02.2011 - 11.02.2011	5	Personality Development Programme	Aspire Career Educations	110	MBA

S. No	Date / Period	No. of Days	Training Details	Training Agency	No. of Students	Batch Details
7	18.12.2010 19.12.2010 29.12.2010 05.01.2011	4	Aptitude Training (Verbal Reasoning & TCS Interview Pattern)	A Cube Training Consultants	380	Final B.E / B.Tech & MCA
8	02.09.2010	1	Personality Development Programme (Motivation Programme)	Dr. Alex Reader In Commerce St. Joseph's College Trichy	780	1st Year
9	25.01.2011	1	Entrepreneurship Development Programme	Dr. T.A. Venkatachalam Dean- MBA Karpagam College Of Engineering	110	2nd Year
Training Details - Academic Year 2011 -2012						
1	Daily (Morning Session)	-	Yoga and Meditation	World Community Service Centre	211	First year B.E
2	22.08.2011 - 25.08.2011	4	Aptitude Training - Numerical Ability	A Cube Training Consultants	520	Final B.E / B.Tech & MCA
3	26.08.2011 29.08.2011 30.08.2011	3	Aptitude Training - Verbal Ability	A Cube Training Consultants	520	Final B.E / B.Tech & MCA
4	5.09.2011 - 7.09.2011	3	Verbal Reasoning & Interview Techniques	A Cube Training Consultants	520	Final B.E / B.Tech & MCA

S. No	Date / Period	No. of Days	Training Details	Training Agency	No. of Students	Batch Details
5	20.04.2012	1	One Day Workshop On Entrepreneurial Development Programme	MR. S. Fazal Ali G M District Industrial Centre	190	2nd Year
6	19.03.2012	1	Orientation programme	Mr.P Mohan Sriram Value Services	819	First year
7	20.1.2012 21.1.2012	2	Soft Skills & Aptitude Training (Arrange by Anna Univ, Chennai)	Transtaff Solutions Chennai	216	Final B.E / B.Tech
8	16.07.2011 17.07.2011	2	Aptitude Training	A Cube Training Consultants	550	Pre Final B.E/ B.Tech /MCA
9	30.07.2011 31.07.2011	2	Aptitude Training	A Cube Training Consultants	550	Pre Final B.E/ B.Tech /MCA
10	13.08.2011 14.08.2011	2	Aptitude Training	A Cube Training Consultants	550	Pre Final B.E/ B.Tech /MCA
11	26.08.2011 27.08.2011	2	Aptitude Training	A Cube Training Consultants	550	Pre Final B.E/ B.Tech /MCA
12	13.08.2011	1	Motivational Training	Mr.Antony Valen HRDC	520	Final B.E / B.Tech & MCA

S. No	Date / Period	No. of Days	Training Details	Training Agency	No. of Students	Batch Details
13	3.09.2011	1	Personality Development	Mr. Manickam David (Trainer)	520	Final B.E / B.Tech & MCA
14	24.09.2011 25.09.2011	2	Mock Interviews	A Cube Training Consultants	520	Final B.E / B.Tech & MCA
Training Details - Academic Year 2012-2013						
1	18.8.2012	1	Quantitative Aptitude	Asset	635	Pre Final Year -All Dept Except Mechanical
2	Daily (Morning Session)	-	Yoga and Meditation	World Community Service Centre,	289	First year B.E
3	23.08.2012 24.08.2012	1	Quantitative Aptitude	Asset	739	All Depts
4	06.09.2012 13.09.2012 20.09.2012 04.10.2012	4	Quantitative Aptitude	Asset	432	ECE,CSE, CIVIL , IT & EEE
5	07.09.2012 14.09.2012 21.09.2012 05.10.2012	4	Quantitative Aptitude	Asset	307	AERO,B ME,MECH & MCA
6	13.12.2012 21.12.2012 10.01.2013 07.02.2013	4	Quantitative Aptitude & Verbal Ability	Asset	432	ECE,CSE, CIVIL , IT & EEE
7	14.12.2012 22.12.2012 11.01.2013 08.02.2013	4	Quantitative Aptitude & Verbal Ability	Asset	307	AERO,B ME, MECH & MCA

S. No	Date / Period	No. of Days	Training Details	Training Agency	No. of Students	Batch Details
8	10.01.2013 17.01.2013 15.02.2013 07.03.2013	4	Soft Skills - Basic to Intermediate	SMART	358	II nd Year - AERO, BME & CIVIL A, CSE A, MECH B
9	11.01.2013 18.01.2013 14.02.2013 06.01.2013 08.03.2013	5	Soft Skills - Basic to Intermediate	SMART	565	II nd Year - CSE B, ECE, EEE,IT, CIVIL B, MECH A
10	17.07.2013 19.07.2013 24.07.2013 26.07.2013	4	Soft Skills - Personality Development	SMART	358	II nd Year - AERO, BME & CIVIL A, CSE A, MECH B
11	18.07.2013 23.07.2013 25.07.2013	3	Soft Skills - Personality Development	SMART	565	II nd Year - CSE B, ECE, EEE,IT, CIVIL B, MECHA
12	04.06.2012 08.06.2012	2	Shortcut Methods in Aptitude	Mr. Thanika chalam Awake IAS & IPS Coaching Centre	83	Final EEE & MCA
13	06.08.2012 - 08.08.2012 13.08.2012 14.08.2012	5	Aptitude Training - Quantitative Vol I	Transtaff	434	Mix up with all Dept except EEE & MCA
14	06.08.2012 - 08.08.2012 13.08.2012 14.08.2012	5	Aptitude Training - Quantitative Vol II	Transtaff	83	EEE & MCA

S. No	Date / Period	No. of Days	Training Details	Training Agency	No. of Students	Batch Details
15	16.08.2012 - 18.08.2012 23.08.2012 24.08.2012	5	Aptitude Training - Quantitative Vol III	Transtaff	434	Mix up with all Dept except EEE & MCA
16	16.08.2012 17.08.2012	2	Personality Development	Transtaff	83	EEE & MCA
17	12.09.2012	1	Career Development Programme	Dr. Alex Reader In Commerce St. Joseph's College Trichy	790	1st Year U.G Students
18	20.02.2013	1	Entrepreneurship Development Programme	Dr. T.A. Venkatachalam Dean- MBA Karpagam College Of Engineering	119	2nd Year Students
19	14.07.2012 15.07.2012	2	Personality Development	Vibrant	517	Final B.E / B.Tech & MCA
20	25.08.2012 26.08.2012	2	Mock Interviews	Asset	517	Final B.E / B.Tech & MCA
21	8.09.2012 9.09.2012	2	Company Specific Training for TCS	SMART	517	Final B.E / B.Tech & MCA
22	12.01.2013 13.01.2013	2	Company Specific Training for Petrofac	SMART	114	Final B.E / B.Tech (Mech & EEE)

Training Details - Academic Year 2013-2014						
S. No	Date / Period	No. of Days	Training Details	Training Agency	No. of Students	Batch Details
1	03.10.2013 - 09.10.2013	6	Aptitude Training	SMART	528	Final B.E / B.Tech & MCA
2	Daily (Morning Session)	-	Yoga and Meditation	World Community Service Centre,	323	First year B.E
3	12.10.2013 13.10.2013	2	Aptitude Training & TCS Questions Discussion	SMART	436	Final B.E / B.Tech (except Civil & BME) & MCA
4	30.08.2013 31.08.2013	2	Aptitude - Verbal Ability	ASSET	685	Pre Final Years - All Departments
5	06.09.2013 04.10.2013 11.10.2013	3	Aptitude - Quantitative Aptitude Vol I	ASSET	319	AERO, CIVIL, ECE, MECH
6	05.10.2013 12.10.2013	2	Aptitude - Data Interpretation	ASSET	386	BME, CSE, EEE, IT & MCA
7	08.01.2014 24.01.2014 01.02.2014 15.02.2014 01.03.2014 07.03.2014	6	Aptitude - Verbal Ability	ASSET	319	AERO, CIVIL, ECE, MECH
8	09.01.2014 24.01.2014 31.01.2014	3	Aptitude - Quantitative Aptitude Vol II	ASSET	386	BME, CSE, EEE, IT & MCA
9	14.02.2014 28.02.2014 06.03.2014 14.03.2014	4	Aptitude - Quantitative Aptitude Vol II	ASSET	386	BME, CSE, EEE, IT & MCA

S. No	Date / Period	No. of Days	Training Details	Training Agency	No. of Students	Batch Details
10	13.09.2013 05.10.2013	2	Soft Skills - Communication & Goal Setting	Keyminds	876	2nd Year - All U.G Departments
11	23.01.2014 24.01.2014 31.01.2014	3	Soft Skills - Listening Skills, Presentation Skills & Dreams	Keyminds	876	2nd Year - All U.G Departments
12	01.02.2014 14.02.2014 15.02.2014 28.02.2014 01.03.2014	5	Soft Skills - Sociometry, Writing Skills & Negotiation Skills	Keyminds	876	2nd Year - All U.G Departments
13	26.12.2013 - 31.20.2013	5	Technical Training (Basics of C, OOPS, Data Structures)	SMART/ Asset	528	Final B.E / B.Tech & MCA
14	5.10.2013 6.10.2013	2	Personality Development	Keymind	528	Final B.E / B.Tech & MCA
15	12.10.2013 13.10.2013	2	Mock Interviews	Ethnus	528	Final B.E / B.Tech & MCA
16	04.01.2014 05.01.2014	2	Company Specific Technical Discussion for Petrofac	Dr.C.Natarajan (Principal) & Mr.Sivamurugan (HOD-Mech)	98	Final B.E / B.Tech (Mech & EEE)
17	11.01.2014 12.01.2014	2	Company Specific Technical Discussion for L&T	Mrs.Revathy (AP-IT) & Mr. Gokul (AP-CSE)	436	Final B.E / B.Tech (except Civil & BME) & MCA

5. Evidence of success

List of Students Placed –Academic Year 2010-2011		
S. No	Name of the Company	No of Students Placed
1	Tata Consultancy Services	20
2	Birla Soft	1
3	CSS Corp Pvt. Ltd, Chennai	30
4	Hari Xperts Solution Private Limited	27
5	Wisdom Technology	37
6	Vectra Form Engineering Solutions	6
7	Versatile Information Solution	2
8	F&D Engineers Private Limited	1
9	Thyro Care Limited	3
10	Shriram Transport Finance Co. Ltd	13
11	The Hindu	2
12	Idayam Oil, Trichy	8
13	Appco Group	21
14	Accel Frontline	15
15	Allsec Technologies	17
16	STC Technologies	19
17	Vodafone	15
18	Integrated Wireless Solutions	5
19	HCL BPO	11

S. No	Name of the Company	No of Students Placed
20	Relience Communications	10
21	Sutherland Global Services	8
22	Tech Mahindra	1
23	Wipro Technologies	2
24	CCCL	5
25	Cethar Vessels	10
26	Rane	7
Total		296
List of Students Placed –Academic Year 2011-2012		
1	Tata Consultancy Services	67
2	Zoho Development Centre, Chennai	1
3	Zenxo Infosoft Pvt Ltd, Mumbai	11
4	CSS Corp, Chennai	17
5	Mukesh Infoserve Pvt Ltd, Chennai	37
6	Hexaware Technologies	1
7	Aditya Trading Solutions Pvt Ltd, Chennai	8
8	Dhan Foundation, Madurai	6
9	Nayasoft Solutions Pvt Ltd, Chennai	9
10	ST Technology, Chennai	18
11	Crossfields India Pvt Ltd, Coimbatore	14
12	Sutherland Global Services, Chennai	3

S. No	Name of the Company	No of Students Placed
13	HCL Technologies - BSERV, Chennai	25
14	India Healthcare Solutions Pvt Ltd, Chennai	65
15	ICICI Bank	42
16	Harvest Futures Consultants Pvt Ltd, Chennai	18
17	Millennium Pinnacle	22
TOTAL		364
List of Students Placed –Academic Year 2012-2013		
1	Yogam BPO	4
2	Indian Navy	1
3	Tata Consultancy Services	25
4	Millennium Pinnacle Futures Pvt. Ltd	18
5	Cognizant Technology Solutions	1
6	Sundaram Finance	28
7	Sutherland Global Services, Chennai	10
8	Petrofac, Chennai	2
9	Shriram Transport Finance Pvt Ltd	13
10	Macons Solutions	3
11	Technosoft Global Services (P) Ltd	26
12	Crescent Technosoft	12
13	HCL BSERV	18

S. No	Name of the Company	No of Students Placed
14	Data Logix	2
15	Colan, Chennai	1
16	4W Technologies	5
17	CEBACA - Sree Daksha Property Developers	1
18	CEBACA - Rishi and Associates	1
19	CEBACA - Shree Mahalakshmi & Co	1
20	CEBACA - Sri Sasthaa Constructions	1
21	Glenwood System, Chennai	11
22	L Cube Innovative Solutions	2
23	India Healthcare Solutions Pvt Ltd, Chennai	35
24	Bajaj Allianz	1
25	Exeter Premedia services, Chennai	1
26	Sandesh Solutions, Chennai	1
27	Smile Customer, Chennai	1
28	TVS, Chennai	1
29	HCL Info Systems	1
30	Care IT Solution, Trichy	2
31	GPS Solutions, Chennai	3
32	V D Samy Company (P) Ltd	3
33	Surprise Solutions, chennai	5

S. No	Name of the Company	No of Students Placed
34	E4E Healthcare Business Services Pvt Ltd	18
35	Acliv Technologies	1
36	Wipro Limited	30
37	24/7 HEADHUNTING, Trichy	2
38	HDFC Bank	21
39	Mobyle TechnologiesChennai	5
40	Engine Factory	2
41	OFT	3
42	Eureka OSL	91
43	Andromeda	86
TOTAL		499
List of Students Placed –Academic Year 2013-2014		
1	Tata Consultancy Services	11
2	IDBI Life Insurance	11
3	HDFC Bank	13
4	Mitharg	4
5	E4E Solutions	28
6	India Healthcare Solutions	20
7	Kochar Tech	143
8	Sutherland Global Services	8

S. No	Name of the Company	No of Students Placed
9	Yogam BPO	2
10	L&T Infotech	4
11	CSS Corp	11
12	Genpact	3
13	Petrofac	1
14	RRP Housing	43
15	KB Foundations	11
16	Eureka Forbes	35
17	Andromeda	85
18	Eureka OSL	61
19	Aqua Pure Plus	74
TOTAL		568

6. Problems encountered and resources required

The Institution believes this could be a very robust approach for enhancing the students' technical and reasoning ability. Furthermore, modern pedagogical best practices often require class time that was traditionally devoted for transmitting facts and hence the learning of content is shifted to students, outside the class. Personality Development Programmes seem to be a way to student's career by ensuring their job in reputed companies. Various training agencies are involved as a resource to give training to the students. The Human Resource Development Cell is finding it difficult to find the time to carry out this type of activities due to their academic commitment.

7. Concluding Notes

The Institution has found using Personality Development Programme to be a highly successful way to encourage student's preparation before going for interview thus freeing up more class time for active-learning exercises through various training programmes.

8. Contact Details

Name of the Principal	: Dr. C.Natarajan
Name of the Institution	: Dhanalakshmi Srinivasan Engineering College
City	: Perambalur
Pin Code	: 621 212
Accredited Status	: Applied
Work Phone	: 04328 - 327732
Fax	: 04328 - 220075
Website	: www.dsengg.ac.in
E-mail	: principaldsec@dsgroupmail.com
Mobile	: 9994630696

Best Practice 2**1. Title of the Practice**

"News in Education (NIE)"

2. Goal

- ❖ To strengthen the reading habit and to enhance the overall development of the students.
- ❖ Help students to become informed and involved citizens who can determine and guide their own destinies in a democratic society.
- ❖ Help students develop skills of critical reading by teaching competence in newspaper reading.
- ❖ To improve the confidence of student to participate in inter-college quiz competitions.

3. The Context

News in education is a long standing programme utilized by our college to bring the excitement of timely "real world" learning tools to the hostel students at free of cost. Newspapers have been provided to help engage students, stimulate creativity, enhance reading skills, and improve academic performance. Our institute focus to encourage students to read the newspaper, learn about their community, and live a more successful life as well informed citizen.

4. The Practice

Students who participated in News in Education programme excelled and came out with flying colors than the students who did not take part in NIE programme. The other positive impacts of the practice are:

- ❖ Students did better on standardized reading tests.
- ❖ Helping the students to enhance the fluency in English language and improving the communication skills.
- ❖ Regular use of the NIE programme positively created an impact on the reading attitude of students.

- ❖ Created a desire in Young people to read with practical and fun teaching ideas.
- ❖ NIE helped students develop reading skills that they need all their lives.
- ❖ It increased students vocabulary, critical thinking and reasoning skills.
- ❖ News Papers are informative. This information helps the students to compete with their counterparts in other metropolitan cities who have better exposure of the current events.

5. Evidence of Success

The number of students from rural region, got benefited by NIE programme. Reading skill for the students has been increased considerably. The results of above said practice increases the comfort zone in English fluency and attain positive response after the group discussion sessions during interview process.

6.Resource Required

A facilitator has been allotted to take care of News Analysis sessions and News Discussions among the students.

7. Contact Details

Name of the Principal	: Dr. C.Natarajan
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Work Phone	: 04328 - 327732
Fax	: 04328 - 220075
Website	: www.dsengg.ac.in
E-mail	: principaldsec@dsgroupmail.com
Mobile	: 9994630696

1. DEPARTMENT OF CIVIL ENGINEERING

1. **Name of the Department** : CIVIL ENGINEERING
2. **Year of Establishment** : UG: 2008
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)** :

Programmes offered
Civil Engineering (UG)

4. **Names of Interdisciplinary courses and departments/ units involved:**

Sl.No	Courses offered by other Departments	Departments involved
1	MA 2211/ Transforms and Partial Differential Equations	Science and Humanities
2	MA 2264/ Numerical Methods	
3	GE 2021/ Environmental Science and Engineering	
4	MG 2301/ Total Quality Management	Master of Business Administration

5. **Annual/ semester/choice based credit system (Programme wise)** – Choice Based Credit System is followed.
6. **Participation of the department in the courses offered by other departments:**

S.NO	Courses Offered to other Department	Departments involved
1	GE 2152/ Basic Civil and Mechanical Engineering	Electrical and Electronics Engineering

7. **Courses in Collaboration with other universities, industries, foreign institutions, etc. :**

S.No.	Course	Participating institution /industry
1	Repair and Rehabilitation of Structures	Annamalai University Annamalai Nagar
2	Advanced Shuttering Techniques	Consolidated Construction Consortium Limited, Chennai
3	Industrial Effluent Treatment	Dhanalakshmi Srinivasan Sugars India Private Limited, Perambalur
4	STAAD Pro, Primavera, Revit. Arch	CADD Center, Perambalur

8. **Details of courses/ programmes discontinued (if any) with reasons:**
Nil

9. **Number of teaching posts**

	Sanctioned	Filled
Professor	2	1
Associate Professor	5	2
Assistant Professor	18	22

10. **Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D. /M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided In The Last 4 Years
Dr.S.Thayumanavan	Ph.D	Professor	Water Resource Engineering	48 Years	12
S.Aruljothi	M.E	Associate Professor	Structural Engineering	14 Years	-
S.Karthikeyan	B.E., MBA	Associate Professor	Human Resource	11 Years	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided In The Last 4 Years
T.Pushpalatha	M.E	Assistant Professor	Construction Engineering and Management	03 Years	-
E.Suresh Kumar	M.E	Assistant Professor	Construction Engineering and Management	01 Year	-
A.Ramachandran	Ph.D	Assistant Professor	Geology	10 Months	-
V.Vasanth	M.E	Assistant Professor	Structural Engineering	2 Years	-
R.Loganathan	M.E	Assistant Professor	Structural Engineering	2 Years	-
S.P.Sreeram	M.E	Assistant Professor	Construction Engineering and Management	3 Years	-
S.Suresh	M.E	Assistant Professor	Structural Engineering	2 Years	-
C.Jeyaselvakumar	M.E	Assistant Professor	Structural Engineering	2 Years	-
R.Banupriya	B.E	Assistant Professor	Civil Engineering	2 Years	-
R.Vijayan	B.E	Assistant Professor	Civil Engineering	2 Years	-
R.Praveen Kumar	B.E	Assistant Professor	Civil Engineering	2 Years	-
R.Prema	B.E	Assistant Professor	Civil Engineering	2 Years	-
T.Divya	B.E	Assistant Professor	Civil Engineering	2 Years	-
G.Ragupathy	B.E	Assistant Professor	Civil Engineering	10 Months	-
V.Santhosh	B.E	Assistant Professor	Civil Engineering	10 Months	-
T.Kumaresan	B.E	Assistant Professor	Civil Engineering	10 Months	-
N.Rajapandyan	B.E	Assistant Professor	Civil Engineering	10 Months	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided In The Last 4 Years
G.Sivaranjani	B.E	Assistant Professor	Civil Engineering	10 Months	-
R.Saranya	B.E	Assistant Professor	Civil Engineering	10 Months	-
M.Vinodhini	B.E	Assistant Professor	Civil Engineering	10 Months	-
M.Rajalingam	B.E	Assistant Professor	Civil Engineering	02 Months	-
P.Rajvimal	B.E	Assistant Professor	Civil Engineering	02 Months	-

11. List of senior visiting faculty :

Name of the visiting faculty	Working Organization
Dr.M.P.Chockalingam	Retd. Professor Annamalai University, Annamalai Nagar
Dr.K.Pappan	Retd. Civil Engineer Bharath Heavy Electric Limited, Trichy
Dr.N.Krishnaswami	Retd. Professor National Institute of Technology, Trichy
Dr.K.Parandhaman	Retd. Chief Engineer Tamil Nadu Water Supply And Drainage Board,
Dr.Rajagopal	Retd. Professor Alagappa Chettiar College of Engineering and Technology, Karaikudi

12. Percentage of lectures delivered and practical classes handled (Programme wise) by temporary faculty:

Both theory and practical classes are handled probationary assistant professor – 8%.

13. Student Teacher Ratio (Programme -wise)

Programme	Student Teacher Ratio	
	As per norms	In Operation
B.E	15:1	15:1

14. Number of academic support staff (technical) and administrative staff: sanctioned and filled.

	Sanctioned	Filled
Technical Assistant	5	4
Administrative Staff	1	1

15. Qualification of teaching faculty with D.Sc/ D.Litt/ Ph.D/M.Phil/PG:

Qualification	Number of Faculty
Ph.D	2
M.E	8
B.E., MBA	1

16. Number of faculty with ongoing projects from a) National b) International Funding Agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:

Project Title	Funded By	Total Grant Received	Faculty Name	Status of the Project
Geochemistry and Sedimentological Studies of Cretaceous Formation in Ariyalur area	Dhanalakshmi Srinivasan Educational Charitable Trust	10 Lakhs	A.Ramachandran	Ongoing
Depositional Environment of carbonate rocks in Ariyalur area	Dalmia Bharath Group (Dalmia Cement) Ariyalur	2 Lakhs	A.Ramachandran	Ongoing

Proposals are submitted to AICTE for grant of funds under the following schemes and awaiting for the response

- MODROB Scheme
- To organize seminar on “Sustainable Structures for Green Environment” and Faculty Development Programme on Soil Mechanics.

17. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received – The Department has applied to get funds from the above mentioned agencies for many project and till waiting for the results, in the mean time the Department has involved in the following project works.**

Name of the project	Funded By	Total Grant Received	Status of the Project
Waste Water Treatment Plant for Dhanalakshmi Srinivasan Engineering College Campus, Perambalur	Dhanalakshmi Srinivasan Educational Charitable Trust	5.5 Lakhs	Ongoing
Design and Implementation of Water Supply System for Irrigation purpose in Dhanalakshmi Srinivasan Engineering College Campus, Perambalur	Dhanalakshmi Srinivasan Educational Charitable Trust	5 Lakhs	Completed
Implementation of 4R Concept in Dhanalakshmi Srinivasan Engineering College campus, Perambalur	Dhanalakshmi Srinivasan Educational Charitable Trust	2 Lakhs	Completed
Field survey and conducting Awareness Programmes towards effective use of Power and Water	Dhanalakshmi Srinivasan Educational Charitable Trust	2 Lakhs	Completed
Spatial distribution of Water quantity and Quality analysis in Trichy Region	Dhanalakshmi Srinivasan Educational Charitable Trust	2 Lakhs	Completed
Waste water collection, Treatment and Disposal for MRF, Narnamangalam	Private Agency	6 Lakhs	Completed
Design and Implementation of Effluent Treatment Plant for Dhanalakshmi Srinivasan Sugars India Private Limited	Dhanalakshmi Srinivasan Educational Charitable Trust	8 Lakhs	Completed

18. **Research centre / facility recognized by the University:** Nil.

19. **Publications:**

a) Publication per faculty

Name of the Staff	National Publications	International Publications
Dr.S.Thayumanavan	18	09
Dr.A.Ramachandran	05	02
Mrs. S.Arul Jothi	03	-
Ms. T.Pushpalatha	02	-

**b.Number of papers published in peer reviewed journals
(national / international) by faculty and students:**

Name of the Faculty/Student	Journal	Paper Title	Volume, Year
Dr.S.Thayumanavan	Center for Environmental Studies (Impact Factor - 2.3 Citation index - 482 h – index - 10)	Effect of hydraulic loading rates in the modified RBC for treating sago waste water	Vol.1 2006
	Center for Environmental Studies (Impact Factor – 1.67 Citation index - 482 h – index - 10)	Effect of speed or rotating discs in the modified RBC for treating sago waste water	Vol.1 2006
	Center for Environmental Studies (Impact Factor – 2.3 Citation index - 482 h – index - 10)	Effects of organic loading rates in the modified RBC for treating	Vol.1 2006
	Coastal Research (Impact Factor – 0.55 Citation index - 6 h – index - 10)	Shoreline changes and near shore processes along Ennore Coast, East Coast of South India	Vol.20 No.1 2004
	Anna University Research Communication (Impact Factor – 1.17 Citation index - 54 h – index - 7)	Study on coast line changes and sediments transport using numerical modeling	Vol.1, No.5 2002

Name of the Faculty/Student	Journal	Paper Title	Volume, Year
Dr.S.Thayumanavan	Indian Journal of Geomorphology (Impact Factor – 1.87 Citation index - 16 h – index - 9)	Erosion and accretion problems on coastal land forms	Vol.7 2002
Dr.A.Ramachandran	Global Journal of Applied Environmental Sciences (ISBN : 978-81-909728-4-0 Citation index – 14 h – index - 2)	Sedimentgeochemistry and depositional environment of shallow cores form Off Kodiakkarai, Tamil Nadu	Vol 1 PP.16 1- 178/20 11
	International Journal of Earth and Environmental Sciences (Impact Factor – 0.56 Citation index - 18 h – index - 2)	Sedimentological Studies of Kallamedu Formation in Ariyalur area	Vol 2 PP.11 8- 234/20 12
	Journal of Frontiers of Earth Science and Research (Impact Factor – 0.08 Citation index - 16 h – index - 3)	Distribution of foraminifera and ostracoda in core samples Off Kodiakkarai, Tamil Nadu	Vol 1 PP.88 – 95/201 2
	Journal of Indian Mineralogist (Impact Factor – 0.62 Citation index - 9 h – index -1)	Petrography and heavy minerals distribution of DNR-58 core of Kaladgi sediments, Deshnur area Belgaum, Karnataka	Vol 46- No-2 PP. 1- 16/2012
	International Journal of Earth Science and Engineering (Impact Factor – 0.5 Citation index - 2 h – index -1)	Textural and petrography study of multi storey sand bodies as observed in quarry sections in West Godavary District Andhra Pradesh	Vol 6/2013
	Arabian Journal of Earth Science	Carbon, Oxygen and strontium isotopic signatures in Maastrichtian-Danian lime stones of Cauvery basin, South India	Review

Name of the Faculty/Student	Journal	Paper Title	Volume, Year
	Arabian Journal of Earth Science	Geochemistry of the Proterozoic clastic rocks of DNR-58 core of Kaladgi Badami Basin, North Karnataka, South India	Review

* **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.)** : NIL

* **Monographs** : NIL

* **Chapter(s) in Books**: Changes in beach profile due to manmade barriers – A case study of Ennore satellite port, Southeast coast of India, In: Advances in coastal engineering, book of the conference of ICOPMAS' 2002, Iran.

* **Edited Books** : NIL

* **Books with ISBN numbers with details of publishers** : NIL

* **SNIP** : NIL

* **SJR** : NIL

* **h – index** : NIL

20. **Areas of consultancy and Income generated**

Year	Project Title	Client's Detail	Fund Received
2012-2013	Quality Assessment of waste water	Dhanalakshmi Srinivasan Sugars India Private Limited Perambalur	12000
	Design of Water Supply Distribution System for Elambalur Village	Elambalur Village Panchayat Perambalur	48000
	Tests to determine the characteristics of Cohesive and Non- Cohesive soils	KVM Promoters Srirangam Trichy	8000
	Quality Assessment of building materials	MSP Builders Sundhar Nagar Trichy	6500
	Material testing for pavement construction	MSP Contractor Sundhar Nagar Trichy	4500
The Department also provides consultancy service towards rural development at free of cost.			

21. Faculty as members in a)National Committees b)International Committees c)Editorial boards etc., :

Name of Faculty	Membership /Committee
Dr.S.Thayumanavan	Technical Member, Appellate Authority Tamil Nadu Pollution Control Government of Tamil Nadu
	Member, Tamil Classical Language Committee on Irrigation Water Management
	Member Technical Tamil Writing of books Tamil University, Thanjavur
	Life Member, Indian Water Resources Society
	Life Member Indian Society for Technical Education
	Life Member Indian Society for Remote Sensing
Dr.S.Thayumanavan	Life Member Institution of Engineers, India
	Academic Council Member Anna University Chennai
	Academic Council Member Anna University, Trichy
	Board of Studies in Civil Engineering University of Bombay
	Board of Studies in Civil Engineering University of Goa
	Board of Studies in Civil Engineering Anna University Chennai
	Board of Studies in Civil Engineering Anna University, Trichy
	Board of Studies in Civil Engineering Periyar Maniammai University, Vallam Thanjavur
	Board of Governors Board of Apprenticeship Training, Western Zone Bombay
	Member in UGC Syllabus Framing Committee for Environmental Science
Dr.A.Ramachandran	Life Member in Tamil Nadu Association of Geologist
Mrs.S.Aruljothi	Life Member in Indian Society For Technical Education

22. Student projects

Academic Year	% of In house projects	% of Industrial projects
2008-2012	84.23	15.77
2009-2013	84.97	15.03
2010-2014	87.37	12.63

**23. Awards / Recognitions received by faculty and students –
Achievement by Faculty**

Academic Year	Achievements
2009-2010	* 2 Faculty have been awarded by the management for their best performance
2010-2011	* 1 Faculty has participated in AICTE sponsored Quality improvement Programme. * 10 Faculty have been awarded by the management for their best performance
2011-2012	* 16 Faculty have been awarded by the management for their best performance
2012-2013	* 5 Faculty have been awarded by the management for their best performance
2013-2014	* 4 Faculty have been awarded by the management for their best performance

Achievement by Students

Name of the Student	Batch	University Rank
Prajeesh.M	2008-12	39 th
Divya.D		45 th
GowriShankar.R	2009-13	12 th
Naveen Kumar.D		28 th
Arthi.S		38 th
Niranchanadevi. J		41 st
Subhashini.B		44 th
Gowri.M		45 th
Sivaranjani. G		46 th
Vinaya Joy		50 th

Academic Year	Name of the student	Organizing Institution	Name of the Event	Recognition/ Award Received
2011-2012	S.Semmalai	M.A.M College of Engineering Trichy	Paper Presentation	I
	M.Prajeesh	M.A.M College of Engineering Trichy	Paper Presentation	I
	A.Ahamed Labbai	M.A.M College of Engineering Trichy	Paper Presentation	II
	A.Ahamed Labbai	P.R.Engineering College Thanjavur	Paper Presentation	III
2012-2013	K.Senthamizan	Bannari Amman Institute of Technology Sathyamangalam	Concrete Kayak	I
	S.Sathish Kumar	Bannari Amman Institute of Technology Sathyamangalam	Concrete Kayak	I
	R.Suresh	Bannari Amman Institute of Technology Sathyamangalam	Concrete Kayak	I
	P.Nandha Kumar	Vandayar Engineering College Thanjavur	Paper Presentation	II

24. List of eminent academicians and scientists / Visitors to the department

Academic year	Details of Resource person
2009 – 2010	Dr.R.Sowmeyan Professor and Head Dept of Civil Engineering Periyar Maniammai University Vallam, Thanjavur

Academic year	Details of Resource person
	Dr. K.Palanisamy Professor Department of Civil Engineering National Institute of Technology Trichy
2010 – 2011	Mrs.R.Sasikala Associate Professor Dept of Civil Engineering M.A.M Engineering College Trichy
	Dr.P.Vincent alias Venkatesan Professor Dept of Civil Engineering Mepco Schlenk Engineering College Sivakasi
	Dr. S.T. Ramesh Associate Professor (Academic Dean) Department of Civil Engineering National Institute of Technology Trichy
2011 – 2012	Dr.B.N.Krishnaswami Director Time Institute of Material Testing Trichy
	Dr.R.Ilangovan Director Students Affair Anna University BIT Campus Trichy
2011 – 2012	Mr. S Kanthimathinathan Chartered Engineer And Approved Valuer Structural Engineer Consultant Trichy Engineering Consultant House Trichy
2012 - 2013	Dr.P.Vincent alias Venkatesan Professor Dept of Civil Engineering Mepco Schlenk Engineering College Sivakasi

Academic year	Details of Resource person
	Dr.G.Mohan Kumar Professor Dept of Civil and Structural Engineering Annamalai University Annamalai Nagar
	Dr.R.Sowmeyan Professor and Head Dept of Civil Engineering Periyar Maniammai University Vallam, Thanjavur
2013 – 2014	Dr.J.Karthikeyan Professor Dept of Civil Engineering National Institute of Technology, Trichy Mr.K.Sakthimurugan Assistant Professor Dept of Civil Engineering Periyar Maniammai University Vallam, Thanjavur
	Dr. K. Muthumani Chief Scientist and Head Advanced Seismic Testing and Research Lab Council of Scientific and Industrial Research Structural Engineering Research Center Taramani, Chennai.
	Er. Sitharthan Proprietor : KVM Promoters, Chairman : Trichy Builders Association

25. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:

Details of Seminars / Workshops / Conferences		Source of Funding
2009-2010		
A National Level One Day Technical Symposium	Recent trends in construction practice	Dhanalakshmi Srinivasan Educational Charitable Trust
A National Level One Day Technical Workshop	Contribution of Computer aided programme in construction industries	Dhanalakshmi Srinivasan Educational Charitable Trust
2010-2011		
A National Level One Day Technical Symposium	Emerging techniques	Dhanalakshmi Srinivasan Educational Charitable Trust
A National Level One Day Technical Workshop	Global Warming	Dhanalakshmi Srinivasan Educational Charitable Trust
A One Day National Level Technical Conference	Earthquake resisting structures	Dhanalakshmi Srinivasan Educational Charitable Trust
A National Level One Day Technical Workshop	Advancement in Structural Engineering	Dhanalakshmi Srinivasan Educational Charitable Trust
2011-2012		
A National Level One Day Technical Workshop	Recent innovation in concrete construction	Dhanalakshmi Srinivasan Educational Charitable Trust
A One Day National Level Technical Conference	Retrofitting Techniques	Dhanalakshmi Srinivasan Educational Charitable Trust
2012-2013		

Details of Seminars / Workshops / Conferences		Source of Funding
A National Level One Day Technical Workshop	Solid waste management	Dhanalakshmi Srinivasan Educational Charitable Trust
A One Day National Level Technical Conference	Sustainable Environment	Dhanalakshmi Srinivasan Educational Charitable Trust
2013-2014		
A National Level One Day Technical Symposium	Innovations and its leads	Dhanalakshmi Srinivasan Educational Charitable Trust
A One Day National Level Technical Conference	Advancement in safety and recovery	Dhanalakshmi Srinivasan Educational Charitable Trust
A National Level One Day Technical Workshop	Energy recovery processes	Dhanalakshmi Srinivasan Educational Charitable Trust

26. Student profile course-wise:

Name of the Course / Programme	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
Civil Engineering (2008- 2012)	81	72	56	16	73.13
Civil Engineering (2009- 2013)	155	144	119	25	76.33

27. Diversity of students

Name of the Course	% of students from the same State	% of students from other States	% of students from abroad
Civil Engineering (2008- 2012)	72	28	-
Civil Engineering (2009- 2013)	77	23	-
Civil Engineering (2010- 2014)	78	22	-
Civil Engineering (2011- 2015)	91	9	-
Civil Engineering (2012-2016)	82	18	-

28. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?

Competitive Exam	No. of students Qualified
GATE	2

29. Student progression

Student Progression	Against % Enrolled		
	2008 - 2012	2009 - 2013	2010 - 2014
UG to PG	15.15	18.12	-
PG to M.Phil	-	-	-
PG to Ph.D	-	-	-
Ph.D to Post-Doctoral	-	-	-
Employed			
• Campus selection	25.00	28.25	49.32
• Other than campus recruitment	40.17	38.08	35.11
Entrepreneurs / Self-Employment	4	4	-

30. Details about infrastructural facilities

- a) The Department also maintains a separate library apart from general library. Totally 118 Titles and 256 Volumes are kept in the department library.
- b) Internet facilities for staff and students –Yes
 - * Dedicated computing facility : 50 Systems with Internet Connectivity
 - * LAN Facility : 100/1000 Mbps
 - * Internet Speed : 32 Mbps
 - * Service Provider : BSNL (16 Mbps)
- c) Class rooms with ICT facility – 06 class room (2 class rooms with ICT facilities)
- d) Laboratories – The department has 07 laboratories, each laboratory has a seating capacity for 40 students.
 - * Surveying Practice Lab
 - * CAD Lab
 - * Strength of Materials Lab
 - * Hydraulics Engineering Lab
 - * Concrete and Highway Lab
 - * Environmental Engineering Lab
 - * Soil Mechanics Lab

31. Number of students receiving financial assistance from college, university, government or other agencies

Academic Year (2013-2014)	Total No. of Students (SC/ST/BC/MBC/FG)
II Year	68
III Year	46
IV Year	66

32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts

Year	Details of Seminars / Workshops / Conferences	External Experts
2009-2010	A National Level One Day Technical Symposium on "Recent Trends in Construction Practice"	Dr.R.Sowmeyan Professor and Head Dept. of Civil Engineering Periyar Maniammai University Vallam, Thanjavur
	A National level One Day Technical Workshop on "Contribution of Computer Aided Programme in Construction Industries"	Dr.P.N.Ragunath Professor Dept. of Civil Engineering Annamalai University, Annamalai Nagar
2010-2011	A National Level One Day Technical Symposium on "Emerging Techniques"	Dr.R.Ilangovan Director Students Affair Anna University - BIT Campus, Trichy
	A National level One Day Technical Workshop on "Global Warming"	Mrs.R.Sasikala Associate Professor Dept. of Civil Engineering M.A.M Engineering College, Trichy
	A One Day National Level Technical Conference on "Earthquake Resistant Structures"	Dr.B.N .Krishnaswami Director Time Institute of Material Testing, Trichy
2010-2011	A National Level One Day Technical Workshop on "Advancement in Structural Engineering"	Dr.P.N.Ragunath Professor Dept. of Civil Engineering Annamalai University, Annamalai Nagar
2011-2012	A National level One Day Technical Workshop on "Recent Innovation in Concrete Construction"	Dr.B.N.Krishnaswami Director Time Institute of Material Testing, Trichy Dr.P.N.Ragunath Professor Dept. of Civil Engineering Annamalai University, Annamalai Nagar
	A National Level One Day Technical Conference on "Retrofitting Techniques"	Dr.G.Mohankumar Professor Dept. of Civil and Structural Engineering Annamalai University, Annamalai Nagar

Year	Details of Seminars / Workshops / Conferences	External Experts
2012-2013	A National level One Day Technical Workshop on "Solid Waste Management"	Dr.P.Vincent alias Venkatesan, Professor Dept. of Civil Engineering Mepco Schlenk Engineering College Sivakasi
	A National Level One Day Technical Conference on "Sustainable Environment"	Dr. K. Muthumani Chief Scientist and Head Advanced Seismic Testing and Research Lab Council of Scientific and Industrial Research -Structural Engineering Research Center Taramani, Chennai
2013-2014	A National level One Day Technical Symposium on "Innovations and its leads"	Dr.J.Karthikeyan Professor Dept. of Civil Engineering National Institute of Technology, Trichy Mr.K.Sakthimurugan Assistant Professor Dept. of Civil Engineering Periyar Maniammai University, Vallam Thanjavur
	A National Level One Day Technical Conference on "Advancement in Safety and Recovery"	Dr.P.Vincent alias Venkatesan , Professor Dept. of Civil Engineering, Mepco Schlenk Engineering College Sivakasi
	A National Level One Day Technical Workshop on "Energy Recovery Processes"	Dr.R.Sowmeyan Professor and Head Dept. of Civil Engineering Periyar Maniammai University Vallam, Thanjavur

The Department also offers certificate courses at the college level on the topic of "Disaster Mitigation and Management"

33. Teaching methods adopted to improve student learning-

- * Course plan and Course materials are prepared prior to the commencement of every semester. The lecture hours are properly scheduled and delivered using different modes like black board presentation, OHP presentation, Power point presentation and models. To improve the soft skill of the students, activities such as Group Discussion, Tutorial classes and individual student seminar on various topics are conducted.
- * Advancements in learning processes such as e-Content, (Availability of course materials and video lectures in institution

web) are also adopted. In addition to this, library references, journals, and DELNET and internet facilities are made available to the students to make them more passionate towards the subject. To bring out the dormant talent of the students, Guest lectures, Workshops and Seminars are conducted frequently by eminent experts from various industries.

- * To evaluate the performance of students in all the aspects related to curriculum Assignments, Slip Tests and Quiz are conducted and monitored periodically. To keep themselves updated with the recent advancements and inventions in the core domain Industrial visits, In-plant training, Field visit, Students' internship and In house projects are arranged for the students by having tie-up with various industries, Research Laboratories and Public Sector Agencies.
- * To cater to the needs of the students and to provide solutions to their problems, class committee meetings and counseling hours are arranged periodically.
- * The students are provided with state of the art infrastructure, technology and equipment required to carry out the teaching-learning process in a more synchronized manner.
- * The teaching methods adopted are well in consonance with the industrial need and are updated on a regular basis.
- * Hands on experience in the respective fields are provided to the students in the form of entrepreneurial ventures, field visits and national trips.
- * The skills and knowledge of the teachers are upgraded regularly to make them well versed with the latest industry trends so that they can impart their knowledge to the students.
- * Audio Visual Equipment.
- * Guest lectures.
- * Industrial visits.
- * In-plant training.
- * Students' internship.
- * In house projects.

34. Participation in Institutional social responsibility(ISR) and Extension activities –YES

- * Rainwater harvesting awareness programmes.
- * Providing community oriented consultancy services at free of cost.
- * Pollution awareness programmes.
- * Construction practice workshop for masons.
- * Training workshop for carpenters.
- * Solid waste management awareness programmes.
- * Conduction of clean city camp in villages near Perambalur.
- * Clean and green programmes.

- * Providing many attentive programs through NSS and YRC.

35. SWOC analysis of the department and future plans Strengths

- * Availability of Dr. S. Thayumanavan as one of senior most persons in the Department.
- * Availability of a band of dedicated and enthusiastic faculty.
- * Prevalence of good Faculty – Students' rapport.
- * Participation in community based consultancy.
- * Presence of a group of disciplined and dedicated students.
- * Fully equipped, maintained and operational labs.
- * Transparency in internal valuation and option to select the elective papers.
- * Technology for program assessment and measurement of outcomes are introduced.

Weaknesses

- * Availability of skilled assistants are scarce.
- * R&D Activities need to be improved.
- * MoU's with International Universities lacking.

Opportunities

- * Avenues are provided to pursue higher studies and research.
- * Well equipped laboratories are provided to execute the paid consultancy works.
- * Conferences and workshops are organized periodically.
- * Symposia and seminars for students are organized regularly.
- * Extracurricular and Co-curricular activities for students are encouraged.
- * Opportunities for improved communication skills among rural students to participate in extracurricular activities are constantly provided and monitored.

Challenges

- * Improvements in University ranks.
- * Collaboration with International Universities.
- * Increase in diverse Placements to be probed and provided.
- * Development of Communication skills of students on par with city bred students
- * Students are to be motivated to take up competitive exams.

Future Plans of the Department

- * Starting of PG degree Programmes.
- * Organizing of International Conferences.
- * Target setting to attain more University medals and ranks.
- * Bringing many funded projects.
- * Sustain faculty and student development programmes.
- * Registering of faculty for higher degrees like Ph.D.

2. DEPARTMENT OF MECHANICAL ENGINEERING

1. Name of the Department : MECHANICAL ENGINEERING

2. Year of Establishment : UG: 2005
PG: 2011

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):

Programmes offered
Mechanical Engineering (UG)
M.E.,(CAD/CAM) (PG)

4. Names of Interdisciplinary courses and the departments / units involved :

S.No.	Courses offered by other Departments	Departments involved
1	MA2211/ Transforms and Partial Differential Equation MA2266/Statistics and Numerical Methods GE2021/ Environmental Science Engineering GE2321/Communication Skills Lab.	Science and Humanities
2	ME2255 /Electronics and Microprocessors	Electronics and Communication Engineering
3	GE2151/ Basic Electrical and Electronics Engineering ME 2205/ Electrical Drives and Control	Electrical and Electronics Engineering

5. Annual/ semester/choice based credit system (Programme wise):
Choice Based Credit System is followed.

6. Participation of the department in the courses offered by other departments:

S.No.	Courses offered to other Department	Departments involved
1	GE6152/Engineering Graphics	✓ Aeronautical Engineering ✓ Biomedical Engineering ✓ Civil Engineering ✓ Computer Science and Engineering ✓ Electronics and Communication Engineering ✓ Electrical and Electronics Engineering ✓ Information Technology
2	GE6251/Basic Mechanical Engineering	✓ Electrical and Electronics Engineering
3	GE6162/Engineering Practices Laboratory	✓ Aeronautical Engineering ✓ Biomedical Engineering ✓ Civil Engineering ✓ Computer Science and Engineering ✓ Electrical and Electronics Engineering ✓ Electronics and Communication Engineering ✓ Information Technology

7. Courses in collaboration with other universities, industries, foreign institutions, etc. :

S.No.	Course	Participating institution /industry
1	Auto CAD	CADD Centre, First Floor, Mangal Agencies, Second Cross Street, Near Old Bus Stand Post Office,Perambalur-621212.
2	Quantitative Logic and Verbal Training	Key minds, 1/5 Sivaganga salai (off sterling road),Chennai-600034. Smart Learning Acadamy,No:60-C1,Collector Sivakumar Street,Saibabab colony,Coimbatore-641038.

S.No.	Course	Participating institution /industry
3	Fire and Safety	Kalams Institute, Daily Market Street, Near Old Bus Stand, Perambalur-621212.
4	CNC Training	PRIM Training Institute, First Floor, City centre complex, Trichy-21.

8. Details of courses / programmes discontinued (if any) with reasons :

Nil

9. Number of teaching posts :

Designation	Sanctioned	Filled
Professor	04	04
Associate Professors	08	08
Assistant Professors	29	29

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.) :

Sl.No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1	Dr.C.Natarajan	M.E., Ph.D.,	Professor	Manufacturing Engineering	18 Years	-
2	P Sivamurugan	M.E., M.B.A.,	Professor	DPTPE	15 Years	-
3	M.Chellappan	M.E.	Professor	CAD	11 Years 10 Months	-
4	P.Ravichandran	M.E.	Professor	Thermal Engineering	12 Years	-
5	S.Ravichandran	M.E.	Associate Professor	Manufacturing Engineering	21 Years	-

Sl.No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
6	V.Gopalakrishnan	M.E.	Associate Professor	Industrial Metallurgy	5 Years 9 Months	-
7	G.Stanly Lal	M.E.	Associate Professor	CIM	5 Years 9 Months	-
8	V.Praveen Kumar	M.E.	Associate Professor	Manufacturing Engineering	5 Years 9 Months	-
9	S.Janaki Raman	M.E.	Associate Professor	Engineering Design	5 Years 9 Months	-
10	Raja Phani Varma Dandu	M.E.	Associate Professor	Thermal Engineering	5 Years 9 Months	-
11	M.Poongodi	M.Tech.,	Associate Professor	Environmental Engineering	5 Years	-
12	C.Vijaya Kumar	M.E.	Associate Professor	Thermal Engineering	5 Years 9 Months	-
13	D.Manikandan	M.E.	Assistant Professor	Engineering Design	3 Years 10 Months	-
14	R.Baskar	M.E.	Assistant Professor	Thermal Engineering	4 Years	-
15	R.Udhayarasu	M.E.	Assistant Professor	Thermal Engineering	2 Years 9 Months	-
16	R.Thirugnana	M.E.	Assistant Professor	Product Design and Development	1 Year 9 Months	-
17	J.Arunprasad	M.E.	Assistant Professor	CAD/CAM	1 Year 9 Months	-
18	S.Dinesh	M.E.	Assistant Professor	CAD/CAM	1 Year 9 Months	-

Sl.No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
19	S.Suthagar	M.E.	Assistant Professor	CAD/CAM	2 Years 9 Months	-
20	E.Neduncheralathan	M.E.	Assistant Professor	Thermal Power Engineering	9 Months	-
21	L.Narasimman	M.E.	Assistant Professor	Heat Power Engineering	9 Months	-
22	S.Karpagarajan	M.E.	Assistant Professor	Engineering Design	1 Year 8 Months	-
23	B.Sajith	M.E.	Assistant Professor	CAD/CAM	9 Months	-
24	V.Muthukumar	M.E.	Assistant Professor	Thermal Engineering	1 Year 1 Month	-
25	K.Saravanan	M.E.	Assistant Professor	CAD	3 Years 11 Months	-
26	S.Karuppusamy	B.E.	Assistant Professor	Mechanical Engineering	1 Year 9 Months	-
27	D.Siva	B.E.	Assistant Professor	Mechanical Engineering	9 Months	-
28	P.Karthik	B.E.	Assistant Professor	Mechanical Engineering	1 Year 9 Months	-
29	Mohan Raj K.S	M.E.	Assistant Professor	Rubber Technology	6 Months	-
30	S.Anand	M.E.	Assistant Professor	Printing and Packing Technology	6 Months	-
31	K.Saravana Kumar	M.E.	Assistant Professor	Thermal Engineering	6 Months	-
32	M.Jayaram	M.E.	Assistant Professor	Manufacturing Engineering	6 Months	-

Sl.No	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
33	V.Prasannakumar	M.Tech.	Assistant Professor	Plastic Technology	6 Months	-
34	S.Vibusanan	B.E.	Assistant Professor	Mechanical Engineering	1 Month	-
35	T.Vinoth	B.E.	Assistant Professor	Mechanical Engineering	1 Month	-
36	T.Selvakumar	B.E.	Assistant Professor	Mechanical Engineering	1 Month	-
37	K.Andiyappan	B.E.	Assistant Professor	Mechanical Engineering	1 Month	-
38	V.Baskaran	B.E.	Assistant Professor	Mechanical Engineering	1 Month	-
39	M.Vimalraj	B.E.	Assistant Professor	Mechanical Engineering	1 Month	-
40	J.Rojarfranklin	B.E.	Assistant Professor	Mechanical Engineering	1 Month	-
41	T.Arunpandiyar	B.E.	Assistant Professor	Mechanical Engineering	1 Month	-

11. List of senior visiting faculty :

Name of the visiting Faculty	Working Organization
Dr.K.Muthu Kumar,	Bharat Heavy Electricals Limited, Trichy.
Mr.T.Dharmar	Manager Product Development, Brakes India Limited, Chennai.
Dr. S. Natarajan	Retd. Prof. Manufacturing Engineering, Anna University, Chennai-25.
Dr.K. Jayachandran	Retd. Prof. Department of Production Engineering, Madras Institute of Technology, Chrompet, Chennai.
Dr.K. Balagurunathan	St. Peters University, Avadi, Chennai.

- 12. Percentage of lecturers delivered and practical classes handled (programme wise) by temporary faculty:** Both theory and practical classes are handled by probationary assistant professor – PG –NIL
UG-21.10 (8/38)

- 13. Student Teacher Ratio(Programme-wise) :**

Programme	Student Teacher Ratio	
	As per norms	In Operation
B.E.,	15:1	15:1
M.E.,	12:1	12:1

- 14. Number of academic support staff (technical) and administrative staff sanctioned and filled :**

Supporting Staff	Sanctioned	Filled
Technical Staff	06	06
Administrative Staff	01	01

- 15. Qualification of teaching faculty with DSc/ D.Litt/ Ph.D/M.Phil/PG :**

Qualification	No of Faculty
Ph.D	1
PG (M.E/M.Tech)	29
UG (B.E)	11

- 16. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received :**

The department has not received fund from national and international funding agencies and is striving to receive the fund. However the department has received fund from some of the local agencies and industries.

Projects received from local agencies and industries are listed below.

Project title	Funded by	Total Grant Received in Rupees	Faculty	Status of the Project
Multi Nut Tighteners and Looseners	Sri Devi Engineering Consultancy and Agency, Karumandapam Trichy.	24,000	L.Narasimman	Ongoing
Pneumatic Punching Machine	Venmani Industries, Samayapuram, Trichy.	36,000	M.Chellappan	Ongoing
Portable Painting Machine	Tamilnadu Body Builders, Ammapalayam, Perambalur.	27,000	P. Sivamurugan	Ongoing
Vegetable Slicer by using Crank and Slider Mechanism	Sri Devi Engineering Consultancy and Agency, Karumandapam, Trichy.	36,000	S.Karpaga Rajan	Completed
Gearless Power Transmisson	Raja Industries, Perambalur.	24,550	R.Udaya Rasu	Completed

17. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; and total grants received :

- ✓ Taking steps to apply for MODROB scheme from AICTE, Delhi for Modernization of Thermal Engineering Laboratory and Dynamics of Machinery Laboratory.
- ✓ The department has received fund Rs. 35000/- from the management to purchase pneumatic kit with a compressor for the Mechatronics laboratory.

18. Research centre / facility recognized by the University :

- Applied for research centre facility under Anna University, Chennai.

19. Publications:

- Publication per faculty

Name of the Staff	National Publications	International Publications
Dr. C. Natarajan	-	3
Mr. P Sivamurugan	-	3
Mr. V. Gopalakrishnan	1	2

Name of the Staff	National Publications	International Publications
Mr. P. Ravichandran	-	3
Mr. S. Karpagarajan	1	-

- Number of papers published in peer reviewed journals (national / international) by faculty and students :

Name of the Faculty /Student	Journal	Paper Title	Volume, Year
2013-2014			
Dr.C.Natarajan	International Journal of Applied Environmental Sciences (IAES)	Experimental Verification Of Constant Volume Heating Process For Pressure Increment and a proposal for novel application	ISSN 0973-6077 Volume 9,Number 1-2014
Mr.P.Sivamurugan	International Journal of Applied Environmental Sciences (IAES)	Experimental Verification Of Constant Volume Heating Process For Pressure Increment and a proposal for novel Application	ISSN 0973-6077 Volume 9,Number 1-2014
Mr.P.Ravichandran	IJMME	Investigation on Mg and Sc Dopped ceria as Electrolyte for IT-SOFC	ISSN:2077-124X Volume -14-2014

Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

- ✓ Monographs-NIL
- ✓ Chapter(s) in Books-NIL
- ✓ Edited Books-NIL
- ✓ Books with ISBN / ISSN numbers with details of publishers-NIL
- ✓ SNIP- NIL
- ✓ SJR- NIL
- ✓ Impact factor- NIL
- ✓ h-index- NIL

20. Areas of consultancy and income generated :

Year	Project title	Revenue Received in Rs.
2010-2013	Testing the compressive strength of hollow block.	8,000
	Testing the tensile strength of MS rod.	7,500
	Design of automatic seeding Machine.	5,000
The Department also provides consultancy service towards rural development free of cost		

21. Faculty as members in a) National Committees b) International Committees c) Editorial boards, etc., :

Name of Faculty	Membership /Committee
Mr.P.Ravichandran	Indian Society for Technical Education-Life Member
Mr.S.Ravichandran	Indian Society for Technical Education
Mr.V.Gopalakrishnan	American Society of Material Science

22. Student projects :

- Percentage of students doing projects in collaboration with industries / institutes

Academic Year	% of in house projects	% of industrial projects
2006-2010	85	15
2007-2011	90	10
2008-2012	75	25
2009-2013	80	20
2010-2014	85	15

23. Awards / recognitions received by faculty and students :

Cash awards received by faculty members for producing good academic results.

Academic Year	Achievement
2011-2012	11 Faculty have been awarded by the management for their best performance.
2012-2013	6 Faculty have been awarded by the management for their best performance.
2013-2014	6 Faculty have been awarded by the management for their best performance.

Achievement by Students:

Name of the Student	Batch	University Rank
Sakthivel .K	2008-2012	18 th Rank
Sivakumar .K	2008-2012	19 th Rank
Fredrick .C	2008-2012	31 th Rank
Satish Kumar.C	2008-2012	43 th Rank
Rajesh Kumar .R	2008-2012	47 th Rank
Arunpandiyan .T	2009-2013	5 th Rank

Academic Year	Name of the student	Organizing Institution	Name of the Event	Recognition/ Award Received
2010-2011	Ajith.M	Moogampigai College of Engineering, Kalamavur, Trichy	Paper Presentation	I
	Ajith.M	RVS College of Engineering and Technology, Coimbatore	Paper Presentation	I
	Ajith.M	Jansons Institute of Technology, Coimbatore	Paper Presentation	II
	Ajith.M	KPR Institute of Engineering and Technology, Coimbatore	Paper Presentation	III
2011-2012	Ajith.M	Indian Institute of Technology	Project Presentation	I
	Chandhirasekaran .R	Seshasayee Institute of Technology, Trichy	Paper Presentation	I
	Ajith.M	Indian Institute of Technology, Madras	Paper Presentation	III

Academic Year	Name of the student	Organizing Institution	Name of the Event	Recognition/ Award Received
2012-2013	Karthikeyan .K	MNSK College of Engineering, Pudukkottai	Quiz	II
	Bharathi.A	Dhanalakshmi Srinivasan College,Perambalur	100 Meters-Relay	II
	Mathavan. P	Shivani Institute of Technology,Trichy	Poster Presentation	III
	Abinesh.A	Collectrate,Perambalur	100 Meters	III
2013-2014	Rajachander .G	Anjalai Ammal Mahalingam Engineering College,Kovilvenni	Paper Presentation	II
	Praveen Kumar.K	Salem College of Engineering,Salem	Paper Presentation	I
	Karthik .R	Dhanalakshmi Srinivasan Engineering College,Perambalur	Multimedia Presentation	I

24. List of eminent academicians and scientists / Visitors to the department :

Academic year	Name	Organization
2009-2010	Dr. S. Gowri	Professor, Manufacturing Engineering, Anna University, Chennai
	Mr. I. Vijay Sankar	Design Engineer, Vestas Technologies, Chennai
2010-2011	Dr.K.N.Vigneshwaran	Chief Mentor, Technologies, Chennai
2011-2012	Dr. Mohan	Assistant Professor Department of Civil Engineering, Annamalai University, Chidambaram
2012-2013	Dr.R.Saravanan	Principal, JCT College of Engg. and Tech,Coimbatore
	Dr. Kok Chee Kaung	Deputy Director, Multi MediaUniversity-Malaysia
2013-2014	Dr. S. Natarajapillai	Head of the department J.J College of Engg. and Tech.,Trichy
	Mr. S. Premkumar	Assistant Professor, Kumara guru College of Technology, Coimbatore
	Dr. K. Muthukumar	Deputy Manager, BHEL,Trichy.
	Mr. P. Ashok Kumar	Head of the Department, Mechanical Engineering,Trichy Engg. College, Trichy

25. Seminars/ Conferences/Workshops organized and the source of funding (national / international):

Academic year	Details of Conferences	Source of Funding
2009-2010	National Conference on Discover real Engineer and Mechanical Simulations	Management
	National Conference on Mechanical Engineers Challenging To Pose New Technologies	Management
	International Conference on Engineering Science and Technology	Management
2011-2012	National Conference on Engineers Challenging To Pose New Technologies	Management
2012-2013	International Conference on Optimization in Robotics and Mobile Computing	Management

Academic year	Details of seminars	Source of Funding
2012-2013	National Level Seminar on Mechanical Engineers Challenging To Pose New Technologies	Mechanical Engg. Association
2013-2014	One Day Seminar on Industrial Safety Management	Mechanical Engg. Association

Academic year	Details of Workshops	Source of Funding
2009-2010	One day Workshop on Wind Energy and Future of Renewable Energy	Mechanical Engg. Association
2013-2014	One day Workshop on Computational Fluid Dynamics	Mechanical Engg. Association

26. Student Profile Programme / Course-wise:

Name of the Course / Programme	Applications received	Selected	Enrolled		Pass Percentage (%)
			Male	Female	
Mechanical (2005-2009)	72	65	65	0	73.85
Mechanical (2006-2010)	77	64	64	0	75.00
Mechanical (2007-2011)	74	65	65	0	78.46
Mechanical (2008-2012)	130	107	107	0	80.37
Mechanical (2009-2013)	160	137	137	0	74.45

27. Diversity of Students:

Name of the Course	% of students from the Same State	% of students from other States	% of students from abroad
Mechanical Engineering (2008-2012)	82.00	18.00	-
Mechanical Engineering (2009-2013)	81.30	18.70	-
Mechanical Engineering (2010-2014)	92.52	7.48	-
Mechanical Engineering (2011-2015)	86.53	14.47	-
Mechanical Engineering (2012-2016)	74.15	25.85	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.

Competitive Exam	Qualified No. of students
GATE	4
Defence services	1
GRE	2
Banking service	4

29. Student Progression:

Student progression	Against % enrolled				
	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
UG to PG	10	10	15	10	-
PG to M.Phil.	-	-	-	-	-
PG to Ph.D.	-	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-	-
Employed	45	43.75	38.61	39.25	39.41
• Campus selection					
• Other than campus recruitment	25	20	15	20	20
Entrepreneurship/Self-employment	15	18	13	12	-

30. Details of Infrastructural facilities:

The fully automated central library houses a comprehensive collection of over 804 Titles, 2913 Volumes and 9 National journals covering the entire gamut of Mechanical engineering discipline.

- (a) The Department also maintains separate library apart from general library. Totally 100 Titles and 250 Volumes are kept in the department library.

- (b) Internet facilities for staff and students –Yes

- * Dedicated computing facility : 80 Systems with Internet Connectivity
- * LAN Facility : 100/1000 Mbps
- * Internet Speed : 16 Mbps
- * Service Provider : BSNL

- (c) Class rooms with ICT:

Class Rooms : 08 (**One class room with ICT**)
 Seminar hall : 01
 Meeting halls : 01
 Internet facilities for Staff & Students: 80 Systems
 Department Library: 01

(d) Laboratories:

We have well equipped laboratories in our department as listed below. Minimum of 40 students can occupy each laboratory during the practical sessions.

- ✓ Engineering Practice Laboratory.
- ✓ Manufacturing Technology Laboratory- I
- ✓ Manufacturing Technology Laboratory- II
- ✓ Computer Aided Machine Drawing lab
- ✓ Thermal Engineering Laboratory- I
- ✓ Thermal Engineering Laboratory- II
- ✓ Dynamics Laboratory
- ✓ Fluid Mechanics and Machinery Laboratory
- ✓ Strength of Materials Laboratory
- ✓ Simulation and Analysis Laboratory
- ✓ Computer aided Manufacturing Laboratory
- ✓ Metrology and Measurements Laboratory
- ✓ Mechatronics Laboratory

31. Number of students receiving financial assistance from college, university, government or other agencies:

Year	No. of Students (SC/ST/BC/MBC/FG)
2009-10	40
2010-11	45
2011-12	43
2012-13	65
2013-14	123

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

S.No.	Details of seminars / workshops / conferences	External experts
	2010-2011	
1	One day workshop on "Wind Energy and Future Technologies"	Mr.I.Vijay Sankar, Manager Vestas Technologies, Chennai.

S.No.	Details of seminars / workshops / conferences	External experts
2	ICEST 2011 (Inter National Conference)	Dr.K.N.Vigneshwaran, Chief Mentor, Hexaware Technologies, Chennai.
2012-2013		
1	ECPNT 2012 (National Level Conference)	Dr.Mohan, Assistant Professor Department of Civil Engineering, Annamalai University
2013-2014		
1	One day Workshop on “Computational Fluid Dynamics”	Dr.S.Natarajapillai, Professor and Head, Aeronautical Engineering, J.J Engineering and Technology, Trichy
2	One day seminar on “Industrial Safety Management”	Dr.K.Muthukumar, Deputy Manager, Bharat Heavy Electricals Limited, Trichy
3	Guest Lecture on “Dynamics of Machinery”	Mr.P.Ashok Kumar, Head of the Department, Mechanical Engineering, Trichy Engineering College, Trichy.

33. Teaching methods adopted to improve student learning:

- a) Course plan, Course materials and notes :
 - ✓ We are preparing the course materials well in advance by referring reputed text books based on curriculum syllabi.
 - ✓ Based on the curriculum syllabi and student's expectations we prepare the course plan and course material.
- b) Black board presentation, OHP Presentation, Power Point Presentation, and Study on Models
 - ✓ For effective class room teaching to deliver the contents, we adopt the methods like black board presentation, OHP Presentation, Power Point Presentation, Study on Models, e-learning etc. to the students.
- c) Group Discussions, Tutorial classes, Individual student seminars
 - ✓ The Group Discussions, Tutorial classes and Individual student

seminars are conducted by the concerned faculty members handling the courses. All these activities will help to improve their skills.

- d) E-learning resources like NPTEL and other video lectures
 - ✓ A 12 hour internet facility available in the department facilitates the student to enrich their knowledge by using E-learning sources.
- e) Library references , journals, DELNET and internet facilities
 - ✓ The fully automated library houses a comprehensive collection of over 18,000 volumes covering the entire gamut of engineering discipline. The college has also subscribed several reputed national and international journals pertaining to the prescribed curricula as well as general technology – related areas. No of volumes available: 550, No. of Titles available: 100, No. of National journals: 09
 - ✓ A 16 Mbps leased line from BSNL, 16 mbps Vodafone, and Wi-Fi provides 24-hr Internet facility for the students and staff.
- f) Guest lectures , Workshops, Seminars
 - ✓ We have been arranging guest lectures, Workshops and Seminars on current trends. The valuable lectures are delivered by eminent professors and leaders of the industry.
- g) Assignments , Slip Tests , Quiz etc.,
 - ✓ During the semester we give three assignments for each subject. For preparing this assignment we highlight the books and journals /study materials to be referred. Within one week the assignments are corrected by the faculty and returned to the students.
 - ✓ Every day first hour, we are conducting slip test for all the subjects regularly on rotational basis. The answer scripts are evaluated by the faculty members on the same day. Evening coaching classes are conducted to the students who secure fail mark.
- h) Industrial visits , In-plant training , Field visit, Student's internship, In house projects
 - ✓ Industrial visits are arranged every year for all the students to ensure practical exposure to the students.
 - ✓ After completion of the end semester examinations, students are motivated to undergo in plant training in their area of interest.
- i) Class committee meetings and counseling hours
 - ✓ Every month class committee meetings are conducted for all the classes separately. This meeting is organized by a faculty member who is not handling the subject for that particular class (committee meeting chairman) in the presence of the class in-charge, subject teachers and ten sampling students (Best, Normal and weak). During the committee meeting, chairman collects the feedback about their theory and practical courses as well as other related problems like hostel, transport etc. After completion of the meeting the committee chairman reports the student feedback to the HOD and Principal to take necessary steps to solve the issues, if any.

- ✓ On Saturdays, we are conducting counseling hour for all the students. All the counselors meet their respective students and interact with them to ensure our care. We make use of the experience of Principal and our Advisor to motivate the students towards growth.

Mechanical Engineering department delivers curriculum using an innovative "blended approach" that includes courses based on industry-institutional requirements, classroom teaching coupled with web based contents, and application based pedagogy, continuous assessment, organized feedback from students and further improvisation of teaching techniques. The teaching methods are innovative like maximum practical exposure and are dynamic enough to motivate the students. The department has well defined objective of imparting quality education to the students and inculcating the desired skill set required by the industry. The department ensures that

- ✓ The students are provided with state of the art infrastructure, technology and equipment required to carry on the teaching process in a more synchronized manner
- ✓ The teaching methods adopted are well in accordance with the industry needs and are updated on a regular basis
- ✓ Hands on experience in the respective fields are provided to the students in the form of entrepreneurial ventures, field visits, trips, etc.
- ✓ The skills and knowledge of the teachers are upgraded regularly to make them familiar with the latest industry trends so that they can impart knowledge of latest trends and techniques to the students.

34. Participation in Institutional social responsibility (ISR) and Extension activities:

- ✓ Training programmes on Welding are arranged for rural people.
- ✓ Training sessions are conducted for rural people on Machining operations.
- ✓ CAD training courses are conducted for surrounding Diploma students.
- ✓ Demonstration classes are conducted on Refrigeration and Air Conditioning System for school students.
- ✓ We are arranging awareness programmes on Technical education to the 12th standard students.
- ✓ Providing many attentive programs through NSS and YRC.

35. SWOC analysis of the department and future plans:

Strength

- ✓ Good infrastructure, academic and administrative functioning.
- ✓ Qualified & dedicated faculty.

- ✓ Offering chance for the upliftment of the socio-economically weaker students.
- ✓ Good and quality teaching.
- ✓ Arranging Guest Lectures and Seminars on recent topics.

Weakness

- ✓ Lack of interest in appearing for competitive examinations.
- ✓ Professional skills needs to be further improved among students.
- ✓ Inadequate research output.
- ✓ Lack of good funded projects.
- ✓ Consultancy and extension activities are to be improved.

Opportunities

- ✓ Giving workshops and guest lectures to students.
- ✓ Allowing in plant training and industrial visits.
- ✓ Attending international/National seminars and conferences.
- ✓ Providing value added courses.

Challenges

- ✓ Developing the strategies of teaching methodology.
- ✓ Encouraging more first graduates from rural areas..
- ✓ Equipping with Recent trends in Design and Analysis soft wares.
- ✓ Updating the new technologies.

Future plans

- ✓ To propose more PG courses.
- ✓ Focusing on 100% results and placements.
- ✓ Motivating the students for funded and research projects.
- ✓ Dissemination of innovative technologies to the rural society.
- ✓ To establish collaboration with foreign universities.
- ✓ Creating awareness about the entrepreneurship.
- ✓ Registering of faculty for higher degrees like Ph.D.

3. DEPARTMENT OF AERONAUTICAL ENGINEERING

1. **Name of the department** : AERONAUTICAL ENGINEERING
2. **Year of Establishment** : U.G : 2009
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.)**

Programmes offered
Aeronautical Engineering (UG)

4. **Names of Interdisciplinary courses and the departments/units involved**

S.No	Courses offered by other Departments	Departments involved
1	EE 2365 - Control engineering	Electrical and Electronics Engineering
2	AE 2401 - Avionics	Electronics and Communication Engineering
3	MA 2211 - Transforms and partial differential equations MA 2264 - Numerical methods GE 2021 - Environmental science and Engineering	Science and Humanities

5. **Annual/ semester/choice based- credit system (programme wise):**
- Choice based credit system is followed.
5. **Participation of the department in the courses offered by other departments**

S.No	Courses offered to other Department	Departments involved
1	GE 6152 / Engineering Graphics	B.E. - Computer Science and Engineering B.E. - Electrical and Electronics Engineering B.E. - Civil Engineering B.E. - Bio-Medical Engineering B.E. - Aeronautical Engineering B.Tech. - Information Technology

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

S.No.	Course	Participating institution /industry
1	Aviation medicine	Dhanalakshmi Srinivasan Medical College and Hospital, Perambalur
2	Aircraft communication and navigation systems	Blue sky aviation, Bengaluru.

8. Details of courses/programmes discontinued (if any) with reasons:
NIL

9. Number of teaching posts

Cadre	Sanctioned	Filled
Professors	1	1
Associate Professors	2	2
Asst. Professors	9	9

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided in the last 4 years
Dr.K.Ashok	Ph.D	Professor	Aeronautical	10 Years	--
R.Shivram Manjunath	M.E	Associate Professor	Aeronautical	2 Years 10 Months	--
S.Saran Kumar	M.E	Associate Professor	Aeronautical	2 Years 10 Months	--
R.Muruganantham	M.E	Assistant Professor	Aeronautical	1 Year 10 Months	--
K.Arjun	M.TECH	Assistant Professor	Aeronautical	10 Months	--

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided in the last 4 years
J.Naveen Rozario John	M.TECH	Assistant Professor	Aeronautical	1 Year 10 Months	--
A.Sathakathulla	M.TECH	Assistant Professor	Aeronautical	1 Year 10 Months	--
V.Nagarajan	B.E	Assistant Professor	Aeronautical	10 Months	--
S.Manoj	B.E	Assistant Professor	Aeronautical	10 Months	--
J.M.Janani	B.E	Assistant Professor	Aeronautical	7 Months	--
N.Manikandan	B.E	Assistant Professor	Aeronautical	7 Months	--
K.Vijaya Kumar	B.E	Assistant Professor	Aeronautical	7 Months	--

11. List of senior visiting faculty:

S.No	Name of the Faculty	Working organization
1	Prof. G.Mahendra Perumal	Professor, Department of Aerospace Engineering, SRM University.
2	Captain.V.R. Venkatesh	Blue sky aviation, Bengaluru.
3	Dr.V.Prabha.M.D	Associate Professor, Department of Physiology, Dhanalakshmi Srinivasan Hospital & Medical College, Siruvachur , Perambalur - 621212

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

- Both theory and practical classes are handled by probationary assistant professor – 0 %.

13. Student -Teacher Ratio (programme wise)

Programme	Student Teacher Ratio	
	As per norms	In operation
B.E	15:1	15:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Position	Sanctioned	Filled
Academic support Staff	3	3
Administrative Staff	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualifications of Teaching faculty	Number
Ph.D	01
M.E / M.Tech	06
B.E / B.Tech	05

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Project title	Funded by	Total Grant received	Faculty	Status of the Project
Blood flow behavior in catheterized artery : unsteady case	Dhanalakshmi Srinivasan medical college and hospital, Perambalur	45,000	Dr.K.Ashok	On going
Analysis of scale formation in milk carrying pipes	TULYA Beverage Pvt. Ltd	15,000	S.Saran Kumar	On going
Aerodynamic analysis of non-planar wings	Dhanalakshmi Srinivasan Charitable And Educational Trust	42,000	Dr.K.Ashok	On going
Effect of flow pulsation on sugarcane extract	Shree Basavesh war sugars Ltd, Karjol-Mulawad Village, Bijapur District, Karnataka	17,000	R.Muruganatham	On going

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

- The college is a self-financing college and proposals are being sent to various funding agencies such as AICTE, DRDO, ISRO etc., and are under process.

Project title	Funded by	Total Grant received	Status
Blood flow behavior in catheterized artery : steady case	Dhanalakshmi Srinivasan Medical College and Hospital, Perambalur	32,000	Completed
Analysis of scale formation in milk carrying pipes	Dhanalakshmi Srinivasan Dairy Plant, Perambalur	16,000	Completed

18. Research centre /facility recognized by the University:

- Applied for research centre facility under Anna University, Chennai.

19. Publications:

a) Publication per faculty (Under process)

Name of the Staff	National Publications	International Publications
Dr.K.Ashok	-	1
S.Saran Kumar	-	1
R. Muruganantham	1	1
R.Shivram Manjunath	1	-

- Number of papers published in peer reviewed journals (national / international) by faculty and students

Name of the author	Journal Name	Title	Year
Mr.R.Muruganantham	Journal of Engineering Today	Design and fabrication of a shock tube	Volume X IV, Issue 2, Feb 2012

- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database International Social Sciences Directory, EBSCO host, etc.)
- Monographs : NIL
- Chapter in Books : NIL
- Books Edited : NIL
- Books with ISBN/ISSN numbers with details of publishers : NIL
- SNIP : NIL

- SJR : NIL
- Impact factor : NIL
- h-index : NIL

20. Areas of consultancy and income generated –

Academic year	Project title	Client's detail	Total Grant received	Status of the Project
2012-13	Blood flow behavior in catheterized artery : steady case	Dhanalakshmi Srinivasan medical college and hospital, Perambalur.	32,000	Completed
2012-13	Analysis of scale formation in milk carrying pipes	Dhanalakshmi Srinivasan Dairy Plant, Perambalur	16,000	Completed
2013-14	Blood flow behavior in catheterized artery : unsteady case	Dhanalakshmi Srinivasan medical college and hospital, Perambalur	45,000	On going
2013-14	Analysis of scale formation in milk carrying pipes	TULYA Beverage Pvt. Ltd	15,000	On going
2013-14	Aerodynamic analysis of non-planar wings	Dhanalakshmi Srinivasan Charitable And Educational Trust	42,000	On going
2013-14	Effect of flow pulsation on sugarcane extract	Shree Basaveshwar Sugars Ltd, Karjol-Mulawad Village, Bijapur District, Karnataka.	17,000	On going

The department also provides consultancy service towards rural development at free of cost.

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards

Name of faculty	Membership / Committee
Dr.K.Ashok	Members of editorial board for the proceedings of the conference on “Latest trends on aerospace engineering”, 2014
Mr.R.Muruganantham	
Mr.S.Saran Kumar	
Mr.J.Naveen Rozario John	

22. Student projects: U.G

Batch	% if in house projects	% of industrial projects
2009-2013	17 %	83%
2010-2014	45%	55%

23. Awards / Recognitions received by faculty and students**Achievements by faculty**

Academic Year	Achievement
2011-2012	2 Faculty have been awarded by the management for 100 % Result. 3 Faculty have been awarded by the management for 95 % Result.
2012-2013	1 Faculty has been awarded by the management for 100 % Result. 4 Faculty have been awarded by the management for 95 % Result.
2013-2014	2 Faculty have been awarded by the management for 95 % Result. 1 Faculty has been awarded by the management for 100% attendance.

Achievements by Students

Name of the Student	Batch	University Rank
Mr. V.Srikanth Sharma	2009-2013	2 nd Rank
Ms. M.Anjana Lakshmi		3 rd Rank
Ms. Thiyam Lakshmi Devi		9 th Rank
Ms. J.M.Janani		10 th Rank

Academic Year	Student Name	Event Name	Place	Prize
2011 - 2012	N.Keerthana	Hurdles 100m	Jayram Engg. College, Thuraiyur.	1 st
		4 x 400m relay		2 nd
2012 - 2013	N.Keerthana	Hurdles 100m	MAMCET, Trichy.	2 nd
		4 x 100m relay		3 rd
	J.Sinthujan	Javelin throw		2 nd

Academic Year	Student Name	Event Name	Place	Prize
2013 - 2014	D.Murali	He is selected from Perambalur district to play state level cricket matches by Universe Cricket Control of India (UCCI).		
	V.Thirumaran	Aerotrix '14 model competition	IIST, Trivandrum	1 st
	Sraman Chowdhury			
	R.Tamizharasan			
	D.Vinod Kumar			
	Ningthoukhongjam Dhanchandra Singh			

24. List of eminent academicians and scientists / visitors to the department

Academic Year	Name	Designation	Institution/Organization
2013 - 2014	Captain.V.R. Venkatesh	Manager	Blue sky aviation, Bengaluru.
	Dr.M. Muthu Kumar	Research Scholar	IISC Bangalore.
	Mr.M.Madan Mohan	Manager	G.E Bangalore.
	Dr.R.Dhayalan	Research Scholar	IIT Kanpur.
2012 – 2013	Prof.V.Kanagarajan	Professor	MIT, Chennai.
2011 – 2012	Dr.S.Nadaraja Pillai	Professor	SRM University, Chennai.

25. Seminars/ Conferences/Workshops organized & the source of funding a) National b) International

Academic year	Details of seminars / Workshops / Conferences		Source of Funding
	Event	Title	
2010-2011	Technical seminar	Characterization of composite materials	Management
2011-2012	Technical Seminar	Recent researches in high speed aerodynamics	Management
	National Conference	Aircraft Propulsion	
	Workshop	Aircraft structures	

Academic year	Details of seminars / Workshops / Conferences		Source of Funding
	Event	Title	
2012-2013	Technical Seminar	Recent trends in gas dynamics	Management
	National Conference	Finite Element Analysis	
	Technical Workshop	Aircraft Propulsion	
2013-2014	Workshop	Computational fluid dynamics	Blue sky aviation, Bengaluru.
	Technical Seminar	Viscous effects in high speed flow	
	National Conference	Flight Dynamics	

26. Student profile programme / course wise:

Name of the Course	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
B.E, Aero (2009-13)	70	66	55	11	78.79

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Aeronautical Engineering (2012-2016)	66.67	33.33	-
Aeronautical Engineering (2011-2015)	80.36	19.64	-
Aeronautical Engineering (2010-2014)	72.73	27.27	-
Aeronautical Engineering (2009-2013)	66.67	33.33	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. – NIL

29. Student progression

Student progression	% Percentage against enrolled	
	2012 - 2013	2013 - 2014
UG to PG	06	-
PG to M.Phil.	-	-
PG to Ph.D.	-	-
Ph.D. to Post-Doctoral	-	-
Employed	48.48	48.48
➤ Campus selection	42.42	24.24
➤ Other than campus recruitment		
Entrepreneurs / Self Employment	-	-

30. Details of Infrastructural facilities

- a) The department also maintains separate library apart from general library. 77 volumes of books are kept exclusively in the department library.
- b) Internet facilities for staff and students
 - ❖ Wi-Fi facility (BROVIES, CPLINK, UBNT & ENGINEERS wireless device) with 9 transmitters.
 - ❖ LAN Facility : 100 / 1000 Mbps
 - ❖ Internet Speed : 20 Mbps
 - ❖ Service Provider : BSNL (16 Mbps),
- c) Class rooms with ICT facility
 - ❖ Class rooms : 3 (1 class room with ICT facility)
- d) Laboratories: The department has 7 Laboratories

Name of the laboratory	Major Equipments
Aerodynamics lab	Subsonic wind tunnel with test models, Water flow channel and Hele-Shaw apparatus
Aircraft structure lab - I	Universal testing machine, Thin wall pressure vessel, Hinged bar setup and Column test apparatus
Manufacturing technology lab	Lathe machines, Drilling machines, Grinding machines and Milling machines
Aircraft structure lab - II	Open section, Closed section, Unsymmetrical section and Wagner beam
Airframe lab	Trainer Aircraft with all service systems and tools, and NDT test tools
Aero engine lab	Jet engine with afterburner, 4 Cylinder piston engine and tools
Propulsion lab	Natural and forced convection systems, Free jet and wall jet setup, Photoelasticity setup and Combined loading setup

31. Number of students receiving financial assistance from college, university, Government or other agencies

Academic Year 2013 - 2014	No. of Students (SC / ST / BC / MBC / FG)
II Year	17
III Year	24
IV Year	27

32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts

Year	Details of Seminars / Workshops / special lectures	External Experts
2013 – 2014	Workshop	Dr.S.Nadaraja Pillai
	Technical Seminar	Dr.B.R.Vinoth
	Special lecture	Dr.M.Sudhir
2012 – 2013	Technical Seminar	Dr.K.Ashok
	Special lecture	Dr.M.Murari
	Workshop	Mr.M.Mahesh (Research Scholar)
2011 – 2012	Technical Seminar	Mr.K.Ashok (Teaching Assistant, IIT Kanpur)
	Special lecture	Mr.M.Mahesh (Research Scholar)
	Workshop	Dr.M.Murari
2010 - 2011	Technical seminar	Dr.C.Sathyanarayanan
		Mr.V.Ananthakrishnan

33. Teaching methods adopted to improve student learning

- ❖ The lecture hours, laboratory, library, co-curricular (seminars, workshops etc.) and counseling hours are properly scheduled. Course

plan and Course materials are prepared well prior to the commencement of every semester.

- ❖ The lectures are delivered by using different modes like black board presentation, Power point presentation and model demonstration. To improve the technical skill as well as soft skill of the students, activities such as group discussion and individual student seminar on various topics are conducted.
- ❖ The guest lectures, workshops, and seminars are organized to improve the technical knowledge.
- ❖ Class committee meetings and counseling hours are conducted periodically to interact with the students and motivate the students to overcome their difficulties.
- ❖ Hands on experience in the respective fields are provided to the students in the form of industrial visits, inplant training, internship and national study tours, etc.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- ❖ Aerial reforestation method is established (seed balls dropped from RC plane to land).
- ❖ Awareness programmes on Right to information (RTI) are conducted.
- ❖ Awareness programmes on sound pollution are conducted.

35. SWOC analysis of the department and Future plans

Strength

- ❖ Department has competent team of experienced faculties supported with non-teaching crew.
- ❖ Infrastructure of the department is simply provided with furnished class rooms and well equipped laboratories with necessary softwares and internet facilities have to cater to the needs of our students.
- ❖ Students register and attend Massive Open Online Course (MOOC).
- ❖ Separate hostel facilities for boys and girls.
- ❖ Providing guest lectures on various titles like finite element analysis, computational fluid dynamics, etc.
- ❖ Placements from reputed companies like TCS, CTS, etc.
- ❖ Students are encouraged to participate in the national seminar, technical symposium and conferences to expose them to the latest

development in the field of emerging technologies.

- ❖ Students are encouraged to participate the various sports events at inter-college, state and national levels.

Weakness

- ❖ More jobs are available in government sector. Hence campus placements in core companies are much less.
- ❖ R & D activities need to be improved.

Opportunities

- ❖ To start research centre.
- ❖ To establish MoU's with national level government research institutes and industries.

Challenge

- ❖ College located in developing area.
- ❖ Globalization and privatization of education.
- ❖ Students should be motivated towards entrepreneur in aeronautical industries.

Future Plans

- ❖ To establish interaction and collaboration with industry to enhance job opportunities.
- ❖ To establish MoU's with nearby research institutes and industries.
- ❖ To organize more campus interviews.
- ❖ To establish language laboratory for improving the communication and writing skills.
- ❖ Personality development of the students keeping in view global demands.
- ❖ Registering of faculty for higher degrees like Ph.D.

4. DEPARTMENT OF INFORMATION TECHNOLOGY

1. **Name of the Department :** INFORMATION TECHNOLOGY
2. **Year of Establishment :** UG: 2001
PG: 2012
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

Programmes offered
Information Technology (UG)
CSE (with Specialization in Networks) (PG)

4. **Names of Interdisciplinary courses and the departments / units involved**

S. No	Courses offered by other Departments	Departments involved
1	MG1401 / Total Quality Management MG2452 / Engineering Economics and Financial Accounting	Master of Business Administration
2	CS2202 / Digital Principles System Design CS2252 / Microprocessors and Microcontroller CS2204 - Analog and Digital Communication CS2259 / Microprocessor Lab EC2151 / Electric Circuits and Electronic Devices CP7004 / Image Processing and Analysis CS2403 - Digital Signal Processing	Electronics and Communication Engineering
4	GE2021 / Environmental Science and Engineering MA 2211 / Transforms and Partial Differential Equations CP7201 / Theoretical Foundations of Computer Science MA2262 / Probability and Queuing Theory GE2321 – Communication Skills Lab	Science and Humanities

5. **Annual/ semester/choice based credit system (Programme wise):**

Programmes	credit system
Information Technology(UG)	choice based-credit system
CSE (with Specialization in Networks) (PG)	choice based-credit system

6. Participation of the department in the courses offered by other departments

S.No	Courses offered to other Department	Departments involved
1	GE6151/ Computer Programming GE6161 / Computer Programming Laboratory EC2303 / Computer Architecture and Organization EC2202 / Data Structures and Object Oriented Programming EC 2209/ Data structures and Object Oriented Programming Lab EC2352/ Computer Networks	Electronics and Communication Engineering
2	GE6151/ Computer Programming GE6161 / Computer Programming Laboratory	Civil Engineering
3	GE6151/ Computer Programming GE6161 / Computer Programming Laboratory CS2068 / Data Structures and Object Oriented Programming	Bio Medical Engineering
4	CS2363 / Computer Networks CI7204 / Soft Computing and Techniques	Electrical and Electronics Engineering

7. Courses in collaboration with other universities, industries, foreign institutions, etc. :

S.No	Course	Participating institution /industry
1	Hardware and Networking	Sri ACL INFOSYS, III Floor, Sundaram Arcade,(Opp. Central Bus Stand), 13-A Williams Road, Tiruchirapalli-62001.
2	C/C++,Java, .NET	HCL Career Development Centre, Sree Ponniyamman Complex, No:52,Velachery Main Road, Velachery, Chennai-600042.
3	Project Training, J2EE	Green Soft Technologies, No:29, 1 st Floor, 8 th Cross East, Thillai Nagar, Trichy-620018.
4	Quantitative Logic and Verbal training	Smart Learning Academy, No: 60-C1, Collector Sivakumar Street, Saibabab colony, Coimbatore-641038.

S.No	Course	Participating institution /industry
		Key Minds Academy,1/5,Sivaganga Salai(off sterling road), Nungambakkam, Chennai-600034.
		Smart Learning Academy, No: 60-C1, Collector Sivakumar Street, Saibaba colony, Coimbatore-641038.
5	Google Apps Trainee	Cloud Reign Technologies Pvt. Ltd., 96, Cauvery Street, VGN Lakshmi Nagar, Mugalivakkam, Porur-Chennai-600116.

8. **Details of courses / programmes discontinued (if any) with reasons :**
NIL

9. **Number of teaching posts :**

Teaching Post	Sanctioned	Filled
Professor	02	01
Associate Professors	04	04
Asst. Professors	13	14

10. **Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.) :**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Mr.S.Selvakumar	M.E., (Ph.D)	Professor	CSE	14 Years 7 Months	-
Mrs.M.Suganthi	M.E	Associate professor	CSE	11 Years 1 Months	-
Mrs.R.Revathi	M.E., (Ph.D)	Associate professor	CSE	10 Years 1 Months	-
Mr.R.Selvakumar	M.E., (Ph.D)	Associate professor	CSE	8 Years 1 Months	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Ms.S.Sivagami	M.Tech .M.B.A	Associate professor	CSE	5Years 8 Months	-
Mr.J.Britto Dennis	M.Tech	Assistant professor	CSE	3 Years 11 Months	-
Mr.K. Vijayarajasekaran	M.E	Assistant professor	CSE	2 Years 10 Months	-
Ms.K. Vijayalakshmi	M.E	Assistant professor	CSE	2 Years 7 Months	-
Mr.D. Vijayakumar	M.E	Assistant professor	CSE	1 Year 10 Months	-
Mr.S.Vatchala	M.E	Assistant professor	CSE	1 Year 10 Months	-
Mr.M.Ramu	M.E	Assistant professor	CSE	1 Year 10 Months	-
Ms.P.Kiruthiga	M.E	Assistant professor	CSE	11 Months	-
Mr.R.Arunkumar	M.Tech	Assistant Professor	NE	11 Months	-
Mr .G.Sudhakar	M.E	Assistant Professor	CSE	11 Months	-
Mr.M.Radheesh	M.Tech	Assistant Professor	NE	11Month	-
Mr.P.Mahendran	M.E	Assistant Professor	CSE	11 Month	-
Mrs.S.Suriya	M.E	Assistant Professor	CSE	11 Month	-
Mr.P.Vigneshraja	M.E	Assistant Professor	CSE	4 Month	-
Mr.S.Prem Singh Thangasamy	M.Tech	Assistant Professor	NE	4 Month	-

11. List of senior visiting faculty :

Name of the visiting Faculty	Working Organization
Mr.S.Benson Edwin Raj	Lecturer, Ministry of Higher Education, Muscat, Oman.
Mr.P.Vasanth	Senior Software Engineer, Ravsoft solutions, Chennai.
Mr.R.U.Tamizholi	Project Manager, Tech Mahindra, Chennai.
Dr.G.Jagajothi	Professor, Department of Information Technology, Periyar Maniammai University, Thanjore.
Mr.N.Surya	Hardnet IT Academy, Trichy.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty :

Programmes	% classes handled by temporary faculty
Information Technology(UG)	12%
CSE (with Specialization in Networks)(PG)	NIL

13. Student Teacher Ratio(Programme-wise) :

Programme	Student Teacher Ratio	
	As per norms	In operation
B.Tech	15:1	15:1
M.E	12:1	12:1

14. Number of academic support staff (technical) and administrative staff sanctioned and filled :

Staff	Sanctioned	Filled
Technical Staff	02	02
Administrative Staff	01	01

15. Qualification of teaching faculty with DSc/ D.Litt/ Ph.D/M.Phil/PG

Qualification	No of Faculty
Ph.D	01
PG (M.E/M.Tech)	18

16. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received :

We are an affiliated college under Anna University Chennai, so it is difficult to get funding from international funding agencies.

Projects fund received from national agencies:

Project title	Funded by	Total Grant received	Faculty	Status of the Project
Development of Educational Content and Associated Repository of Web Services	Dhanalakshmi Srinivasan Matric. Hr.Sec School, Perambalur.	32,000	S.Selvakumar R.Selvakumar	Ongoing
Web Based Telemedicine Application	AKM Nursing Home, Ariyalur.	30,000	J.Britto Dennis S.Sivagami	Ongoing

17. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; and total grants received

Project title	Funded by	Total Grant received	Status of the Project
Application for developing Universal Learning Space	Dhanalakshmi Srinivasan College of Arts and Science for women, Perambalur	18,000	Completed
Design and Implementation of Campus Area Network	Iyappa polytechnic College, Karunguzhi, Thittakudi	25,000	Completed

18. Research centre / facility recognized by the University :

Applied for research centre facility under Anna University, Chennai

19. Publications:

• **Publication per faculty**

Name of the Staff	National Publications	International Publications
Mr.S.Selvakumar	3	3
Mrs M.Suganthi	3	2

Name of the Staff	National Publications	International Publications
Mrs.R.Revathi	8	10
Mr.R.Selvakumar	5	7
Ms.S.Sivagami	3	4
Mr.J.Britto Dennis	3	6
Mr.K.Vijayarajasekaran	1	1
Mrs.S.Vatchala	1	1
Ms.K.Vijayalakshmi	1	-
Ms.P.Kiruthiga	1	1
Mr.R.Ramu	2	1

- **Number of papers published in peer reviewed journals (national / international) by faculty and students : 1**

Name of the Faculty/ Student	Journal	Paper Title	Volume, Year
R.Revathi & V.Venugopal II M.E	IJRSET	User adaptive mobile video streaming and user behavior oriented video prefetching in cloud- Impact factor – 1.67	Vol. 3, Issue 3 March 2014

- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)-NIL
- Monographs-NIL
- Chapter(s) in Books-NIL
- Books Edited- NIL
- Books with ISBN / ISSN numbers with details of publishers-NIL
- SNIP - NIL
- SJR - NIL
- h-index - NIL
- Citation index - NIL

20. Areas of consultancy and income generated :

The Department provides consultancy service towards rural development at free of cost.

Project title	Consumer address	Funds Received
Designing Video Tutorial for Web Development	TRZ Technology, Trichy	32,000
Biometric Authentication for Employee Attendance	Foyer Designs, Trichy	30,000

Project title	Consumer address	Funds Received
Basic Computer training Programme	Government higher secondary school, Vengalam	Free of Cost
Mobile Services and hardware application	Government higher secondary school, Kunnam	Free of Cost
Basic Computer Hardware Training Programme	Government higher secondary school, Valikandapuram	Free of Cost
Software Training on C, C++, and Visual Basic, Java	Government higher secondary school, Alambadi,	Free of Cost
	Government higher secondary school, Siruvachur,	Free of Cost
	Government higher secondary school, padalur	Free of Cost

21. Faculty as members in a) National Committees b) International Committees c) Editorial boards, etc...

Name of Faculty	Membership /Committee
S.Selvakumar	Computer Society of India
R.Selvakumar	International Association of Computer Science and Information Technology, Universal Association of Computer and Electronics Engineers
R.Revathi	International Association of Engineers
J.Britto Dennis	Indian Society for Technical Education, Computer Society of India
D.Vijayakumar	Indian Society for Technical Education
S.Vatchala	Indian Society for Technical Education

22. Student projects :

- **Percentage of students doing projects in collaboration with Industries / Institute**

UG

Academic Year	% of in house projects	% of Industrial Projects
2009-2010	62%	38%
2010-2011	100%	-

Academic Year	% of in house projects	% of Industrial Projects
2011-2012	85%	15%
2012-2013	83%	17%
2013-2014	100%	-

PG

Academic Year	% of in house projects	% of Industrial Projects
2013-2014	100%	-

23. Awards / recognitions received by faculty and students :**Achievement by faculty**

Academic Year	Achievement
2011-2012	10 Faculty were awarded for their best performance by the management.
2012-2013	12 Faculty were awarded for their best performance by the management.
2013-2014	14 Faculty were awarded for their best performance by the management.

Achievement by Students

Name of the Student	Batch	University Rank
S.Valarmathi	2007-11	48 th Rank
R.P.Kaaviyapriya	2008-12	33 rd Rank
T.Sasikala		34 th Rank
R.Pavithra	2009-13	21 st Rank
S.Sathya		37 th Rank
C.Rajapriya		43 rd Rank
K.Revathy		47 th Rank
V.Bhuvaneshwari		49 th Rank

Academic Year	Name of the student	Organizing Institution	Name of the Event	Recognition/ Award Received
2010-2011	S.P.Vishnu sivabalan	Gnanamani Engineering college,Namakkal.	Multimedia	I
	N.Nanthakumar	Gnanamani Engineering College,Namakkal.	Multimedia	I
	S.P.Vishnu sivabalan	Excel Engineering College Namakkal.	Multimedia	I
	N.Nanthakumar	Excel Engineering College Namakkal.	Multimedia	I
	M.Alamel Mangai Thayar	Srinivasan Engineering College, Perambalur.	Quiz	I
	R.Saravanan	Srinivasan Engineering College, Perambalur.	Crack the Bugs	I
	S.Saraswathi	Srinivasan Engineering College, Perambalur.	Quiz	I
	S.Saraswathi	Srinivasan Engineering College, Perambalur.	Paper Presentation	II
	Alamel Mangai Thayar	Dhanalakshmi Srinivasan Engineering College, Perambalur.	Paper Presentation	II
	T.Arun	Jayaram College of Engineering College,Trichy.	Multimedia	II
	K.Vinothini	Sri Angalamman College of Engineering and Technology Trichy.	Techie Talkie	III

Academic Year	Name of the student	Organizing Institution	Name of the Event	Recognition/ Award Received
2011-2012	A.Arul Vimal Antony	Dhanalakshmi Srinivasan Engineering College, Perambalur.	Debugging	I
	K.Raja Rajan	Dhanalakshmi Srinivasan Engineering College, Perambalur.	Debugging	I
	K.Mahesh	Dhanalakshmi Srinivasan Engineering College, Perambalur.	Multimedia	I
	M.Raja Vel	Dhanalakshmi Srinivasan Engineering College, Perambalur.	Multimedia	I
	Devaki. R	Mookambigai College Of Engineering, Trichy.	Paper Presentation	II
	Durga.P	Mookambigai College Of Engineering, Trichy.	Paper Presentation	II
2012-2013	Durga.P	Anna University Zonal Tournaments Trichy.	Volley Ball	I
	S.Sathya	K.Ramakrishnan College Of Engineering, Trichy.	Paper Presentation	II
	K.Revathy	K.Ramakrishnan College Of Engineering, Trichy.	Paper Presentation	II
	R.A.Naveen Kumar	Sports Development Authority of Tamilnadu.	400 Mtrs	III

Academic Year	Name of the student	Organizing Institution	Name of the Event	Recognition/ Award Received
2013-2014	B.Thirumaran	Annapoorana Engineering College, Salem.	Google 'O' Mania	I
	S.Kiruba	Anna University Zonal MAM Engineering College, Trichy.	Athletic	I
	R.Sathya	Anna University Zonal Tournament Trichy Engineering College, Trichy.	Badminton	I
	B.Thirumaran	Srinivasan Engineering College, Perambalur.	Paper Presentation	I
	S.G.Ashwath Raj Kumar	Srinivasan Engineering College, Trichy.	Multimedia	II
	S.G.Ashwath Raj Kumar	Sri Bharathi Engineering College For Women, Tanjore.	Ad-Zab	II
	S.G.Ashwath Raj Kumar	Kongunadu Engineering College, Namakal.	Multimedia	III

24. **List of eminent academicians and scientists / Visitors to the department :**

Academic year	Details of Resource person
2009-2010	Dr.R.Krishnamoorthy, Dean, Anna University, Trichy.
	S.Ramanujam, Senior Network Engineering, Alcatel-Lucent, Chennai.
	Dr.K.Lakshmi, Professor & Head, Computer Science and Engineering, Periyar Maniammai University, Tanjore.
2010-2011	Dr .B.Ramadoss, Professor & Head, Department of computer applications, National Institute of Technology, Trichy.
	Mr.S.Sunderam, Sunderam Nursing Home, Salem.
	Dr.V.Arokiasamy, Principal, AAMEC, Kovilvenni, Tiruvarur.

Academic year	Details of Resource person
2011-2012	Dr.Selvakumar, Reader, Department of Computer Science and Engineering, Annamalai university. Chidambaram.
	R.Ponnusamy, Professor, Department of Computer Science and Engineering, Aarupadai veedu Institute of technology, Old Mahabalipuram Road, Paiyanoor, Kancheepuram (DT), Chennai.
	Dr .J.Akilandeswari, M.E., Ph.D. Department of Information Technology, Sona College of Technology, Salem.
2012-2013	Dr.M.Govindarajan, Assistant Professor, Department Computer Science and Engineering, Annamalai University, Chidambaram.
	Dr.G.Jagajothi, Professor, Department of Information Technology, Periyar Maniammai Univesity, Tanjore.
	Dr.MSK.Manikandan, Associate Professor, Department of Electronics and Communication Engineering, Thiagarajar College of Engineering, Madurai.
	Mr.R.U.Tamizholi, Project Manager,Tech Mahindra,Chennai.
2013-2014	Dr.P.Sudhakar, Associate Professor, Department of Computer Science and Engineering, Annamalai University, Chidambaram.
	S.Benson Edwin Raj, Lecturer, Ministry of Higher Education, Muscat, Oman.
	Dr.S.Selvakumar, Associate Professor, Department of Computer Science and Engineering, Annamalai University, Chidambaram.
	Ms.K.A.Apoorva, Assistant Professor/ Computer Science and Engineering, K.Ramakrishnan College of Technology, Samayapuram.
	Mr.G.R.Kanagachidambaresan, Assistant Professor, Computer Science and Engineering, Dhanalakshmi Srinivasan College of Engineering, Coimbatore.

25. Seminars/ Conferences/Workshops organized and the source of funding (national / international):

Academic year	Details of seminars / Workshops / Conferences		Source of Funding
2009-2010	Technical workshop	Network protocols and network security	Management
	National seminar	Computing technologies	Management
	National level conference	Computing technologies	Management

Academic year	Details of seminars / Workshops / Conferences		Source of Funding
2010-2011	Technical workshop	Cyber forensics	Management
	Non Teaching Technical workshop	Networking	Management
	National seminar	Computing technologies	Management
2011-2012	Technical workshop	Cloud Computing	Management
	Non Teaching Workshop	Hardware and Networking	Management
	National level seminar	Cryptography and network security	Management
	National Conference	Computing Technologies	Management
2012-2013	Non Teaching Workshop	Linux	Management
	National level seminar	Routing & Research Issues In MANET	Management
2013-2014	National Conference	Advanced Computing Technologies	Management
	Technical workshop	Network Routing Protocol	Management

26. Student profile programme / course-wise:

Name of the Course / Programme	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
Information Technology (2006-2010)	80	65	35	30	83.07
Information Technology (2007-2011)	78	63	27	36	82.53
Information Technology (2008-2012)	81	65	36	29	76.92
Information Technology (2009-2013)	68	45	18	27	61.70

27. Diversity of students :

Name of the Course	% of students from the Same State	% of students from other States	% of students from abroad
Information Technology (2008-2012)	98.5%	1.5%	-
Information Technology (2009-2013)	60%	40%	-
Information Technology (2010-2014)	92.5%	7.5%	-
Information Technology (2011-2015)	89.07%	10.93%	-
Information Technology (2012-2016)	100%	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Competitive Exam	No. of students Qualified
TANCET	10
Consortium of Self Financing Professional Arts and Science Colleges in Tamil Nadu	3

29. Student progression :

Student progression	Against % enrolled			
	2010-2011	2011-2012	2012-2013	2013-2014
UG to PG	22%	25%	27%	-
PG to M.Phil.	NA	NA	NA	NA
PG to Ph.D.	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-

Student progression	Against % enrolled			
	2010-2011	2011-212	2012-2013	2013-2014
Employed				
• Campus selection	36.5%	47.65%	80%	84%
• Other than campus recruitment	--	41%	15%	--
Entrepreneurship/Self-employment	10%	15%	17%	--

30. Details of Infrastructural facilities :

(a) Library:

- ❖ Department also maintain a library apart from central library
 - No of volumes-325

(b) Internet facilities for staff and students

- ❖ Dedicated computing facility: 140 Systems with Internet Connectivity ,
- ❖ Wi-Fi facility (BROVIES,CPLINK,UBNT & ENGINEERS Wireless device) Configuration,
- ❖ LAN Facility: 100/1000 Mbps,
- ❖ Internet Speed : 16 Mbps,
- ❖ Service Provider: BSNL (16 Mbps).

(c) **Class rooms:** Five class rooms in which one classroom is equipped with ICT facility.

(d) **Laboratories:** The Department has 2 Laboratories

- Total number of systems: 140
- Seating Capacity: 70 Students
- Servers: 5 (Linux, DHCP, web, Mail, NPTel)
- Printers : 3(2-dot matrix,1-color printer)
- Licensed Software
 - Visual Studio, SQL Server, Office Suite, .Net, IBM Rational Suite, Macromedia Studio MX 2004,Oracle,MS DOS,Linux7.2

31. Number of students receiving financial assistance from college, university, government or other agencies :

Academic Year 2013-2014	No. of Students (SC/ST/BC/MBC/FG)
IV	25
III	27
II	25

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts :

Year	Details of Seminars / Workshops / Conferences	External Experts
2009-2010	Guest Lecture on “Core Java”	Dr.R.Krishnamoorthy, Dean, Anna University, Trichy-24.
	National seminar on “Mobile Computing”	Mr.S.Ramanujan Senior Network Engineer ALCATEL-LUCENT,Chennai.
	NCCT’10-National level seminar on “Emerging trends in Information Technology”	Dr.K.Lakshmi Professor & Head, Computer Science Engineering, Periyar Maniammai University, Tanjore.
	Special Guest Lecture on “Network Security”	Mr.S.Ramanujan Senior Network Engineer ALCATEL-LUCENT,Chennai.
2010-2011	Guest Lecture on “Recent Trends in Information Technology”	Dr .B.Ramadoss, Professor & Head, Department of computer applications, National Institute Technology, Trichy.
	National Level Seminar on “Cyber Forensics”	Mr.S.Sunderam, Sunderam Nursing Home, Salem.
	National conference on “Recent Trends in Information Technology”	Dr.V.Arokiasamy, Principal, AAMEC, Kovilveni Tiruvarur.
2011-2012	National Level seminar on “Artificial Intelligence”	R.Ponusamy,Professor, Department of computer science & Engineering, Aarupadai veedu Institute of technology, Old Mahabalipuram Road,Paiyanoor Kancheepuram (Dt).
	National level seminar on “Cryptography and network security”	Dr.Selvakumar,Reader, Department of CSE, Annamalai university, Chidambaram.
	National Conference on “Computing Technologies”	Dr .J.Akilandeswari, M.E.,Ph.D. Department of information technology, Sona College of Technology, Salem.

Year	Details of Seminars / Workshops / Conferences	External Experts
2012-2013	Technical Workshop on "Research prospects in knowledge mining"	Dr.M.Govindarajan, Assistant Professor, Department of Computer science and Engineering, Annamalai University, Chidambaram.
	National level seminar on "Routing & Research Issues In MANET"	Dr.MSK.Manikandan, Associate Professor, Department of Electronics and Communication Engineering , Thiagarajar College of Engineering, Madurai.
	National Conference on "Computing Technologies"	Mr.R.U.Tamizholi, Project Manager, Tech Mahindra, Chennai.
2013-2014	Technical workshop on "Cloud Computing"	S.Benson Edwin Raj, Lecturer, Ministry of Higher Education, Muscat, Oman.
2013-2014	Special Guest Lecture on "Wireless Networks"	Dr.S.Selvakumar, Associate Professor, Department of Computer science and Engineering, Annamalai University, Chidambaram.
	National Conference on "Computing Technologies"	Dr.P.Sudhakar, Associate Professor, Department of Computer science and Engineering, Annamalai University, Chidambaram.

Department offers the following enrichment courses

S.No	Courses	Year	Duration	Resource person
1	CCNA(Cisco Certified Network Associate)	2011-12 (Odd)	6 Months	S.Selvakumar S.Sivagami V.Chandrasekar
2	Web Application Developer (.NET & Java Platform)	2011-12 (Even)	3 Months	R.Gopi R.Selvakumar

S.No	Courses	Year	Duration	Resource person
3	Computing Technologies	2012 -12 (Odd)	2 Months	V.Gogulakrishnan J.Britto Dennis
4	PHP	2012 -13 (Even)	2 Months	R.Raja R.Revathi
5	Multimedia(Maya)	2013-14 (Odd)	6 Months	K.Parthiban D.Vijayakumar
6	Advanced Diploma in Computer Hardware And Networking	2013-14 (Even)	4 Months	P.Kiruthiga G.Saranraj

33. Teaching methods adopted to improve student learning

S.No	Courses	Year	Duration	Resource person
1	CCNA(Cisco Certified Network Associate)	2011-12 (Odd)	6 Months	S.Selvakumar S.Sivagami V.Chandrasekar
2	Web Application Developer (.NET & Java Platform)	2011-12 (Even)	3 Months	R.Gopi R.Selvakumar
3	Computing Technologies	2012 -12 (Odd)	2 Months	V.Gogulakrishnan J.Britto Dennis
4	PHP	2012 -13 (Even)	2 Months	R.Raja R.Revathi
5	Multimedia(Maya)	2013-14 (Odd)	6 Months	K.Parthiban D.Vijayakumar
6	Advanced Diploma in Computer Hardware And Networking	2013-14 (Even)	4 Months	P.Kiruthiga G.Saranraj

Course plan and Course materials are well prepared prior to commencement of every semester. The lecture hours are properly scheduled and delivered by using different modes like black board presentation, OHP presentation, and Power point presentation. To improve the soft skill of the students, activities such as Group Discussion, Tutorial classes and individual student seminar on various topics are organized.

Advancements in learning processes such as E-Content (Availability of course materials and video lectures in institution web) are also adopted. In addition other sources include library references, journals and DELNET and internet facilities to make the students more passionate towards the subject. To bring out the dormant talent of the students Guest lectures, Workshops and Seminars are conducted frequently by eminent experts from various industries.

To evaluate the performance of students in all the aspects related to curriculum, Take home assignments, Slip Tests and Quiz are conducted periodically. To keep themselves updated with the recent advancements and inventions in the core domain Industrial visits, In-plant training, Student's internship and In house projects are arranged for the students by having tie-up with various industries, Research Laboratories and Public Sector Agencies. To cater to the needs and to provide the remedial action, class committee meetings and counseling hours are effectively arranged periodically.

- ❖ The students are provided with state of the art infrastructure, technology and equipment required to carry on the teaching process in a more synchronized manner
- ❖ The teaching methods adopted are well in consonance with the industry needs and are updated on a regular basis
- ❖ Hands on experience in the respective fields is provided to the students in the form of entrepreneurial ventures, field visits, trips, national study tours, etc.
- ❖ The skills and knowledge of the teachers are upgraded regularly to make them well versed with the latest industry trends so that they can impart knowledge of latest trends and techniques to the students.

34. Participation in Institutional social responsibility(ISR) and Extension activities :

- ❖ Computer awareness programmes are conducted for rural area students.
- ❖ Computer hardware training courses are conducted for school students in and around the district.
- ❖ Conduction of the enrich programme for nearby village people to get acquainted with Mobile applications and services.
- ❖ Celebrating Flag Day by Fund raising and collection to help Orphanages.
- ❖ Participation in NSS, YRC and NCC activities for rural area development.

35. SWOC analysis of the department and future plans :**Strength**

- ❖ Consistent healthy working atmosphere and availability of a band of dedicated enthusiastic faculty.
- ❖ Prevalence of good Faculty Students rapport.
- ❖ Numerous research lab facilities and independent study opportunities for students.
- ❖ Soft skills, personality development and stress management programs are integral part of the curriculum.
- ❖ Initiating Positive Changes in personal and work-life and improving relationships at work.
- ❖ Presence of a group of disciplined and dedicated students.

Weakness

- ❖ Inadequate time to conduct more extracurricular activities.
- ❖ Students coming from backward rural areas lack technical and soft skills
- ❖ MoU's with International Universities is inadequate.
- ❖ R & D activities and consultancy services are to be increased.

Opportunities

- ❖ Have a centralized incubation hub for student's idea and projects.
- ❖ Organizing workshop, conference, seminars to student to familiarize with current trends.
- ❖ Avenues are provided to pursue higher studies and research.
- ❖ Providing value added courses.
- ❖ Develop collaborative grants proposals and projects among IT faculty.

Challenges

- ❖ To Make Collaboration with foreign universities.
- ❖ Inter disciplinary research and consultancy.
- ❖ Strategies of teaching methodology.
- ❖ Development of Communication skills of students on par with city breed students
- ❖ Students motivated to take up competitive exams.
- ❖ Molding students to corporate cultures and Equipping and adopting with Recent IT trends and Technology

Future plans

- ❖ Reach 100% placement record on a consistent basis.
- ❖ To collaborate with reputed industries / R&D institutes.
- ❖ Target setting to attain more University Ranks.
- ❖ To improve students personality development & leadership qualities.
- ❖ To seek grants from AICTE/DST for R&D projects.
- ❖ Motivating the students for funded and research projects.
- ❖ Dissemination innovative technologies to the rural society.
- ❖ Creating awareness about the entrepreneurship.
- ❖ Registering of faculty members for higher degrees such as Ph.D.

5. DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

1. **Name of the department** : COMPUTER SCIENCE AND ENGINEERING
2. **Year of Establishment** : U.G - 2001
P.G - 2006
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.)**

Programmes offered
Computer Science and Engineering(UG)
Computer Science and Engineering(PG)

4. **Names of Interdisciplinary courses and the departments/units involved**

S. No	Courses offered by other department	Departments involved
1	CS2202 - Digital Principles and Systems Design CS2204 - Analog and Digital Communication CS2252 - Microprocessors and Microcontroller CS2403 - Digital Signal Processing CS2207 – Digital Lab CS2259 – Microprocessor Lab	Electronics and Communication Engineering
2	GE2021 - Environmental Science and Engineering MA2211-Transforms and Partial Differential Equations MA2262 - Probability and Queuing Theory MA2264 - Numerical Methods GE2321 – Communication Skills Lab	Science and Humanities
3	MG2452-Engineering Economics and Financial Accounting	Master of Business Administration

5. Annual/ semester/choice based- credit system (programme wise)

Programmes	Credit system
Computer Science and Engineering(UG)	choice based-credit system
Computer Science and Engineering(PG)	choice based-credit system

6. Participation of the department in the courses offered by other departments

Sl. No	Courses offered to other department	Departments involved
1	GE6151- Computer Programming GE6161 - Computer Practices Laboratory	Aeronautical Engineering
2	GE6151- Computer Programming CS2361- Internet and Java Programming EC6301-Object Oriented Programming and Data Structures GE6161 - Computer Practices Laboratory BM6312-OOPS and Data Structures Laboratory	Biomedical Engineering
3	GE6151- Computer Programming CS2201- Data Structures and Algorithms CS2203 - Object Oriented Programming CS2363- Computer Networks CS2411 – Operating systems GE6161 - Computer Practices Laboratory	Electrical and Electronics Engineering
4	GE6151- Computer Programming GE6161- Computer Practices Laboratory	Mechanical Engineering

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

Sl. No	Course name	Participating institution /industry
1	Hardware and Networking	Sri ACL INFOSYS, III Floor, Sundaram Arcade,(Opp. Central Bus Stand), 13-A Williams Road, Tiruchirapalli-62001.
2	C/C++,Java, .NET	HCL Career Development Centre, Sree Ponniyamman Complex, No:52, Velachery Main Road, Velachery, Chennai-600042.
3	Project Training	Green Soft Technologies, No:29, 1 st Floor, 8 th Cross East, Thillai Nagar, Trichy-620018.
4	Quantitative Logic and Verbal training	Asset Academy, 176/5, Renaissana Terrace, Opp.Bishop Appasamy College, Race Course,Coimbatore-641018.

Sl. No	Course name	Participating institution /industry
	Quantitative Logic and Verbal training	Smart Learning Academy, No: 60-C1, Collector Sivakumar Street, Saibabab colony, Coimbatore-641038.
		Key Minds Academy, 1/5,Sivaganga Salai(off sterling road), Nungambakkam, Chennai-600034.
5	Google Apps trainee	Cloud Reign Technologies Pvt. Ltd., 96, Cauvery Street, VGN Lakshmi Nagar, Mugalivakkam, Porur-Chennai-600116.

8. Details of courses/programmes discontinued (if any) with reasons:
Nil

9. Number of teaching posts

	Sanctioned	Filled
Professors	4	5
Associate Professors	7	7
Assistant Professors	19	21

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D. Students guided for the last 4 years
Dr.P.K.Prakasha	M.E., Ph.D	Professor	Computer Science and Engineering	22 Years 4 Months	-
Dr.Bhaludra R.Nadh singh	M.Tech., Ph.D	Professor	Computer Science and Engineering	16 Years 5 Months	-

Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D. Students guided for the last 4 years
Dr.C.Sureshkumar	M.E., Ph.D	Professor	Computer Science and Engineering	13Years 3 Months	4
S.Nandhakumar	M.Tech.,(Ph.D)	Professor and Head of the Department	Computer Science and Engineering	15 Years 4 Months	-
J.Sasi Devi	M.E., (Ph.D)	Professor	Computer Science and Engineering	13 Years	-
V.Gokulakrishnan	M.E., MBA	Associate Professor	Computer Science and Engineering	6 Years 11 Months	-
R.Raja	M.E., (Ph.D)	Associate Professor	Computer Science and Engineering	6 Years 3 Months	-
P.Shanmuga Priya	M.E., (Ph.D)	Associate Professor	Computer Science and Engineering	6 Years 1 Months	-
T.Ganesh	M.E., (Ph.D)	Associate Professor	Computer Science and Engineering	5 Years 10 Months	-
R.Gopi	M.Tech., (Ph.D)	Associate Professor	Computer Science and Engineering	5 Years 9 Months	-
M.Rajaram	M.E.	Associate Professor	Computer Science and Engineering	5 Years 9 Months	-
T.Geetha	M.E.	Associate Professor	Computer Science and Engineering	5 Years 9 Months	-

Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D. Students guided for the last 4 years
V.Loganayagi	M.E.	Assistant Professor	Computer Science and Engineering	4 Years 9 Months	-
G.Raja	M.Tech.,(Ph.D)	Assistant Professor	Computer Science and Engineering	3 Years 11 Months	-
S. Gowri Saranya	M.Tech.	Assistant Professor	Computer Science and Engineering	3 Years 10 Months	-
N.Mohanapriya	M.E., MBA	Assistant Professor	Computer Science and Engineering	3 Years 6 Months	-
S.Kalaivani	M.E.	Assistant Professor	Computer Science and Engineering	2 Years 4 Months	-
S.R.Saranya	M.E.	Assistant Professor	Computer Science and Engineering	2 Years 2 Months	-
M .Shobana	M.E.	Assistant Professor	Computer Science and Engineering	1 Year 10 Months	-
R.Aarthy	M.Tech.	Assistant Professor	Computer Science and Engineering	1 Year 10 Months	-
T.R.Priyadhashini	M.E.	Assistant Professor	Computer Science and Engineering	1 Year 10 Months	-
S.Kanimozhi	M.E.	Assistant Professor	Computer Science and Engineering	1 Year 10 Months	-

Name	Qualification	Designation	Specialization	No. of years of experience	No. of Ph.D. Students guided for the last 4 years
M.Karthika	M.E.	Assistant Professor	Computer Science and Engineering	1 Year 9 Months	-
K.Parthiban	M.E.	Assistant Professor	Computer Science and Engineering	1 Year 7 Months	-
R.Janani	M.E.	Assistant Professor	Computer Science and Engineering	1 Year 4 Months	-
G.Saranraj	M.E.	Assistant Professor	Computer Science and Engineering	10 Months	-
K.Ramya	M.E.	Assistant Professor	Computer Science and Engineering	10 Months	-
V.Sakthipriya	M.Tech.	Assistant Professor	Distributed Computing Systems	10 Months	-
A.Arivazhagan	M.E.	Assistant Professor	Computer Science and Engineering	10 Months	-
J.Moneeshaa	M.Tech.	Assistant Professor	Advanced Computing	10 Months	-
P.Senthil	M.E.	Assistant Professor	Computer Science and Engineering	10 Months	-
P.Jeevitha	M.E.	Assistant Professor	Computer Science and Engineering	10 Months	-
R.Rajkumar	M.E.	Assistant Professor	Distributed Computing Systems	10 Months	-

11. List of senior visiting faculty

Name of the visiting faculty	Working organization
Mr.R.Sreenu	HCL Technologies Ltd, Bangalore.
Mr.V.Rajesh	Tata Consultancy Services, Chennai.
Mr.N.Surya	Hardnet IT Academy, Trichy.
MrV.Sakthikannan	3D Network Singapore Pte. Ltd., Singapore.
Mr.D.Pradeep	Cognizant Technology Solutions, Chennai.
Mr.Ganesh Ramakrishnan	iLink Systems Pvt. Ltd., Trichy.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Programmes	% classes handled by temporary faculty
Computer Science and Engineering(UG)	3.84%
Computer Science and Engineering(PG)	14.28%

13. Student -Teacher Ratio (programme wise)

Programme	Student-Teacher Ratio	
	As per norms	In operation
B.E	15:1	15:1
M.E	12:1	12:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Position	Sanctioned	Filled
Academic support staff	8	9
Administrative staff	2	2

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualifications of teaching faculty	Number
Ph.D	03
M.E / M.Tech	30

**16. Number of faculty with ongoing projects from a) National
b) International funding agencies and grants received**

We are an affiliated college under Anna University, Chennai. We are received grants from private sector and also trying to get grants from

National and International agencies.

Project title	Funded by	Total grant received	Faculty	Status of the project
Automatic Generation of monthly income in Transport management	Sri Devi Transport, Bangalore.	1,00,000	S.Nandhakumar	Ongoing
Detection of altered Finger Print	Tritech Solutions, Chennai	80,000	T.Ganesh	Ongoing

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Project title	Funded by	Total grant received	Status of the project
Maintenance of Patient Records in Hospital	Mallika Hospital, Thillinagar, 1 st Cross, Trichy.	1,00,000	Completed
Loan Sanction System	Axis Bank, Chennai.	85,000	Completed
Feedback Session for Mobile Commerce	Vijaya Bank, Trichy.	2,00,000	Completed
Stock Maintenance and billing information in TVS Show Room	Sundaram Motors, Krishnapuram.	60,000	Completed
Demand Draft Withdrawal in ATM System	Kotak mahendra, Trichy.	2,00,000	Completed
Cloud Assisted Mobile Health (mHealth)Monitoring	Vijay Hospital, Trichy.	1,00,000	Completed

18. Research Centre /facility recognized by the University:

Applied for research centre / facility under Anna University, Chennai.

19. Publications:**a) Publication per faculty**

Name of the staff	National publications	International publications
Dr.P.K.Prakasha	-	6
Dr.C.Suresh kumar	-	9
S.Nandhakumar	2	3
J.Sasi devi	4	6
P.Shanmuga priya	1	4
V.Gokulakrishnan	2	3
T.Geetha	-	1
R.Gopi	2	6
V.Loganayagi	1	3
N.Mohanapriya	1	1
G.Raja	1	6
S. Gowri Saranya	-	3
S.Kalaivani	-	2
M .Shobana	-	2
M.Karthika	1	1
K.Parthiban	1	2
R.Janani	-	2
S.Kanimozhi	-	1
G.Saranraj	-	4
K.Ramya	1	2
V.Sakthipriya	-	2
A.Arivazhagan	-	2
J.Moneeshaa	-	1
P.Jeevitha	1	2
V.Chandrasekar	4	17
S.Sivasankar	-	2
P.Sijin	-	2
M.Manoj	-	2
B.Sathiya	-	3
K.sankar ganesh	1	6
R.Vinoth	-	2
K.Velumathy Kalaivani	-	1
R.Nagendran	-	1
E.Sathesh	-	2
P.Ahathiya	1	-
Dr.A. Rengarajan	-	4

NAME OF THE AUTHOR	JOURNAL NAME	TITLE	YEAR
Dr.C.Suresh kumar	International Journal of Computer Science Information Security Impact factor:0.423 ISSN/ ISBN:1947-5500	RACHSU Algorithm based Handwritten Tamil Script Recognition	Vol 08, No 7, pp. 56-61
	International Journal of Research and Reviews in Computer Science Impact factor: - ISSN/ ISBN:2079-2557	Recognition and Conversion of Handwritten Tamil Characters	Vol 01, No 4, pp. 158-163
	International Journal of Computer Science Issues Impact factor: 0.242 ISSN/ ISBN:1694-0814	Character Recognition using RCS with Neural Network	Vol 07, No 5, pp. 289-295
	International Journal of Computer Science and Engineering. Impact factor: 1.9540 ISSN/ ISBN: 2261-2267	Handwritten Tamil Character Recognition and Conversion using Neural Network	Vol 02, No 7, pp. 2261-2267
	International Journal of Computer Applications Impact factor:1.5 ISSN/ ISBN:1228-1787	Handwritten Tamil Character Recognition using RCS Algorithm	Vol 08, No 8, pp. 21-25
	International Journal of Advanced Research in Computer Science. Impact factor: 1.524 ISSN/ ISBN:0976 – 5697	Handwritten Character Recognition using Fuzzy Neural Network	Vol. 01, No 01.
	International Journal of Computer Science and Network Security. Impact factor: 2.561 ISSN/ ISBN:1738-7906	Tamil Handwritten Character Recognition using Kohonons Self organizing map	Vol 09, No 2, pp. 156-162.

NAME OF THE AUTHOR	JOURNAL NAME	TITLE	YEAR
Dr.C.Suresh kumar	International Journal of Computer and Network Security. Impact factor: 2.561 ISSN/ ISBN:1738-7906	Handwritten Tamil Character Recognition using Support vector machine	Vol 01, No 3, pp. 29-36.
J.Sasi Devi	International Journal of Innovative Research in Science, Engineering and Technology. Impact factor: 1.678 ISSN/ ISBN: 2319 – 8753	SEDAS:A Self Destruction for Protecting Data Privacy in Cloud Storage as a Service Model	Vol 03, Special Issue 01, Feb 2014
	International Journal of Science and Research. Impact factor: 1.8651 ISSN/ ISBN:2319-7064	Host Based Intrusion Detection to prevent Virtual Network System from Intruders in cloud	Vol.3, Issue 03, March 2014
P.Shanmuga Priya	International Journal of Science and Research (IJSR). Impact factor: 1.8651 ISSN/ ISBN:2319-7064	Multi Keyword Searching Techniques over Encrypted Cloud Data	Vol. 3 Issue 3, March 2014
	International journal of scientific and research publications. Impact factor: 1.47 ISSN/ ISBN:2250-3153	Retrieval of encrypted data using multikeyword top-K algorithm.	Vol. 4, Issue 4 April 2014
R.Gopi	International Journal of Innovative Research in Computer and Communication Engineering. Impact factor: 1.386 ISSN/ ISBN:2320-9801	Adaptive Technique to Improve Highway Safety Using WMDP in VANET	Vol. 2, Issue 2, February 2014
	International Journal of Emerging Technology and Advanced Engineering. Impact factor: 1.932 ISSN/ ISBN:2250-2459	Alert Message Dissemination Protocol for VANET to Improve Road Safety	Vol. 4, Issue 1, January 2014
	International Journal of Emerging Technology and Advanced Engineering. Impact factor: 1.932 ISSN/ ISBN:2250-2459	Filters for Location Estimation Reporting System in Social Networks	Vol.4, Issue 1, January 2014

NAME OF THE AUTHOR	JOURNAL NAME	TITLE	YEAR
R.Gopi	International Journal of Emerging Technology and Advanced Engineering. Impact factor: 1.932 ISSN/ ISBN:2250-2459	Content based filtering with multiparty access control for osn	Vol. 4, Issue 1, January 2014
	IJREAT International Journal of Research in Engineering & Advanced Technology. Impact factor: 1.479 ISSN/ ISBN:2320 – 8791	Trust Aware Framework For Optimizing Misdirection Attacks In Storm	Vol. 1, Issue 1, March, 2013
N.Mohana Priya	Pezzottaite Journals. ISSN/ ISBN:2319-9016	Isolated Tamil Speech Recognition System Based On Cmu Sphinx	Vol. 1, No 1 special issue (oct - dec 2012)
V.Loganayagi	International Journal of Communications and Engineering. Impact factor: 3.95 ISSN/ ISBN:0988-0382E	Color image quantization technique by C_means algorithm based on image decomposition for power consumption for embedded systems	Vol. 3, No 3, Issue 03, March 2012
	International Journal of Communications and Engineering. Impact factor: 3.95 ISSN/ ISBN:0988-0382E	Ascendable data center servers using ficonn- bi-port structure	Vol.3, No 3, Issue 02, March 2012
G.Raja	International Journal of Innovative Research in Computer and Communication Engineering. Impact factor: 1.38 ISSN/ ISBN:2320-9801	Efficient Detection of Node Replication Attacks in Mobile Sensor Networks	Vol.2, Issue 2, February 2014
	International Journal of Innovative Research in Science, Engineering and Technology. Impact factor: - ISSN/ ISBN:2319 – 8753	Efficient and Effective Detection of Node Replication Attacks in Mobile Sensor Networks	Vol 3, Special Issue 1, February 2014

NAME OF THE AUTHOR	JOURNAL NAME	TITLE	YEAR
G.Raja	IJREAT International Journal of Research in Engineering & Advanced Technology. Impact factor: 1.479 ISSN/ ISBN:2320 - 8791	Secure Access of Website by Similarity Based Detection against Denial of Service Attacks (DDoS)	Vol 1, Issue 1, March 2013
	International Journal of Communications and Engineering. ISSN/ ISBN:0988-0382E	Improving security and performance in the tor network through opportunistic bandwidth measurement mechanism	Vol. 1 , No 1, Issue 01, March 2012
	International Journal of Communications and Engineering. ISSN/ ISBN:0988-0382E	Using stochastic well-formed petrinets in mobile network to perform call admission control	Vol 05, No 5, Issue 03 March 2012
M.Shobana	International Journal of Advanced Research in Computer Science and Electronics Engineering (IJARCSEE). Impact factor: 0.546 ISSN/ ISBN:2277 – 9043	Enhancing Information Retrieval using Concept- Based Mining Model with Feature Extraction and Clustering	Vol.2, Issue 4, April 2013
	International Journal of Emerging Technology and Advanced Engineering(IJETAE). Impact factor: 1.932 ISSN/ ISBN:2250-2459	Secure Clustering and Energy Based Routing for Mobile Adhoc Networks	Vol.3, Issue 3, March 2013
R.Janani	IOSR Journal of Computer Engineering (IOSR-JCE). Impact factor: 1.686 ISSN/ ISBN:2278-0661	Attack Determination and its Security Analysis for Personal Communication in VoIP Networks	Vol. 9, Issue 2 (Jan. - Feb. 2013)
G.Saranraj	International Journal of Advanced Research in Computer Science and Electronics Engineering (IJARCSEE). Impact factor: 0.546 ISSN/ ISBN:2277 – 9043	Enhancing Security Using Graphical Patterns Selection (ENSUGPS)	Vol. 2, Issue 3, March 2013

NAME OF THE AUTHOR	JOURNAL NAME	TITLE	YEAR
G.Saranraj	IJCSNS International Journal of Computer Science and Network Security. Impact factor: 0.274 ISSN/ ISBN:2319-9016	An SKR Tree Based Ranking Dominated Location With Circular Safe Zone Region	Vol. 14 No.2, February 2014
	IJREAT International Journal of Research in Engineering & Advanced Technology. Impact factor: 1.479 ISSN/ ISBN:2320 - 8791	Computation Of Frequent Updates For Spatio - Temporal Query With Safe Zone Using Skr Tree	Vol. 1, Issue 1, March 2013
K.Ramya	IOSR Journal of Computer Engineering (IOSR-JCE) Impact factor:1.686 ISSN/ ISBN:2278-8727	A Novel Approach for Event Monitoring In Wsn Using Sleep Scheduling	Vol. 9, Issue 3 Mar-Apr 2013
V.Sakthi Priya	International Journal of Computer Science and Information Technology & Security (IJCSITS) ISSN/ ISBN: 2249-9555	Defending User Location Privacy with Safe Zone in Mobile Data Management Infrastructures	Vol. 3, No.1, February 2013
	IJCSN - International Journal of Computer Science and Network Impact factor:0.274 ISSN/ ISBN:2277-5420	Preserving User Location Privacy with Safe Zone for Spatial Queries	Vol. 2, Issue 2, April 2013
J.Moneeshaa	International Journal of Engineering and Technology (IJET) Impact factor:0.8470 ISSN/ ISBN: 0975-4024	Some Algorithms for Weather Prediction Using Thin Clouds	Vol. 5 No 2 , Apr-May 2013
V.Chandrasekar	International journal of Scientific and Research Publications Impact factor: 1.47 ISSN/ ISBN:2250-3153	Optimal Transmission in Multihop Cellular Networks by Detecting Irrational Nodes	Vol.3, Issue 3, March 2013
	International journal of computer applications Impact factor:1.5 ISSN/ ISBN:0975-8887	Performance of video conferencing using protocol independent multicast routing with core failure	Vol.41, no 10 , March 2012

NAME OF THE AUTHOR	JOURNAL NAME	TITLE	YEAR
V.Chandrasekar	International journal of computer science and telecommunication Impact factor:0.401 ISSN/ ISBN: 2047-3338	Performance of video conferencing in unicast and multicast communication using protocol independent multicasting routing	Vol. 2 issue 9, Dec, 2011
	International Journal of Communications and Engineering Impact factor:3.95 ISSN/ ISBN:0988-0382E	Multicast content delivery in multimedia using protocol independent multicast sparse mode	Vol.6, No 6, Issue 01 , March 2012
	International Journal of Communications and Engineering Impact factor:3.95 ISSN/ ISBN: 0988-0382E	Tree zone oriented logic using geographic protocol over MANET	Vol.3, No 3, Issue 02, March 2012
	European journal of scientific research Impact factor:0.736 ISSN/ ISBN:1450-216X	Multicast content delivery in multimedia using dynamic layered routing protocol	Vol.82 , No 3, 2012
	Journal of Computer science Impact factor:1.35 ISSN/ ISBN:1549-3636	End to end delay improvement in heterogeneous multicast network using genetic optimization	Vol. 8, no 9 , 2012
	International Journal of Communications and Engineering Impact factor:3.95 ISSN/ ISBN:0988-0382E	Red protocol for the detection of clone attacks	Vol.4, No 4, Issue 01, March 2012
S.Sivasankar	International Journal of Communications and Engineering Impact factor:3.95 ISSN/ ISBN:0988-0382E	Random key generation using Multihop networks	Vol.3, No 3, Issue 04 , March 2012

NAME OF THE AUTHOR	JOURNAL NAME	TITLE	YEAR
S.Sivasankar	International Journal of Communications and Engineering Impact factor:3.95 ISSN/ ISBN:0988-0382E	Implementation of multipath routing and max-min QOS provisioning in distributed systems	Vol. 2, No 2, Issue 01, March 2012
P.Sijin	International Journal of Communications and Engineering Impact factor:3.95 ISSN/ ISBN:0988-0382E	Motion Blur removal using deblurring algorithm in liquid crystal display	Vol.4 ,No 4, Issue 03, March 2012
	International Journal of Communications and Engineering Impact factor:3.95 ISSN/ ISBN:0988-0382E	Multipath based energy efficient fast reconfiguration mechanism in wireless mesh network	Vol. 4, No 4, Issue 03 , March 2012
M.Manoj	International Journal of Communications and Engineering Impact factor:3.95 ISSN/ ISBN:0988-0382E	A safe cloud storage with multiple cloud servers	Vol.4 ,No 4, Issue 03, March 2012
	International Journal of Communications and Engineering Impact factor:3.95 ISSN/ ISBN:0988-0382E	Enabling public verifiability and data dynamic for storage security in cloud computing	Vol.4, No 4, Issue 03, March 2012
B.Sathiya	International Journal of Communications and Engineering Impact factor:3.95 ISSN/ ISBN:0988-0382E	Prioritize spatial object by shortest path distance and by quality features	Vol. 3, No 3, Issue 04, March 2012
	International Journal of Communications and Engineering Impact factor:3.95 ISSN/ ISBN:0988-0382E	JATA - multiple path routing for jamming of wireless networks	Vol.2 , No 2, Issue 02, March 2012

NAME OF THE AUTHOR	JOURNAL NAME	TITLE	YEAR
K.Sankar Ganesh	International Journal of Communications and Engineering Impact factor:3.95 ISSN/ ISBN: 0988-0382E	Effective load balancing with multipath load distribution over end to end system	Vol.02, No 2, Issue 01, March 2012
	International Journal of Communications and Engineering Impact factor:3.95 ISSN/ ISBN:0988-0382E	Security and privacy for smart grid using scalable key management	Vol. 2, No 2, Issue 01, March 2012
	International Journal of Communications and Engineering Impact factor:3.95 ISSN/ ISBN:0988-0382E	Route diversity in tree based distributed hash tables	Vol. 3, No 3, Issue 02, March 2012
R.Vinoth	International Journal of Communications and Engineering Impact factor:3.95 ISSN/ ISBN:0988-0382E	Performance analysis of computing process execution in multicloud environment	Vol.5, No 5, Issue 04 , March 2012
R.Nagendran	International Journal of Communications and Engineering Impact factor:3.95 ISSN/ ISBN:0988-0382E	Defenses against large scale online password guessing attacks by using persuasive click points	Vol.3, No 3, Issue 01, March 2012
E.Sathesh	International Journal of Communications and Engineering Impact factor:3.95 ISSN/ ISBN:0988-0382E	Efficient security mechanism for misbehaving users in wireless mesh network	Vol.3 , No 3, Issue 02, March 2012
Dr.A. Rengarajan	International Journal of Advanced Research in Computer Science and Software Engineering Impact factor:2.080 ISSN/ ISBN: 2277 128X	Extending K-Anonymity to Privacy Preserving Data Mining Using Association Rule Hiding Algorithm	Vol. 2, Issue 6, June 2012

NAME OF THE AUTHOR	JOURNAL NAME	TITLE	YEAR
Dr.A. Rengarajan	International Journal of Advanced Research in Computer and Communication Engineering Impact factor:1.770 ISSN/ ISBN: 2278 – 1021	Determining the Existence of Quantitative Association Rule Hiding in Privacy Preserving Data Mining	Vol.1, Issue 2, April 2012
	International Journal of Computer Science and Telecommunications Impact factor:0.401 ISSN/ ISBN:2047-3338	Design a Secure Multiparty Computation System for Privacy Preserving Data Mining	Vol. 3, Issue 1, January 2012
	International Journal of Computer Science and Communication Networks ISSN/ ISBN:2249-5789	Design a Weight Based sorting distortion algorithm using Association rule Hiding for Privacy Preserving Data mining	Vol.1(3), 270-276

- **Number of papers published in peer reviewed journals (national / international) by faculty and students -05**
- **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : Nil**
- **Monographs : Nil**
- **Chapter in Books : Nil**
- **Books Edited : Nil**
- **SNIP : Nil**
- **SJR : Nil**
- **h – index : Nil**
- **citation –Index :Nil**

20. Areas of consultancy and income generated

Project title	Consumer address	Funds received
Student Database and Mark Analysis	Dhanalakshmi Srinivasan Higher Secondary School, Perambalur.	15,000

Project title	Consumer address	Funds received
Customer Database Maintenance	Vishal Fitness Centre, Perambalur.	20,000
Smart Irrigation System	Pasumai Agro, Thittakudi.	35,000
Vehicle Tracking System	Mahalakshmi Travels, Perambalur.	20,000
Software Training on C, C++	Government School, Siruvachur.	Free of Cost
Computer Training Programs organized in School students	Government School, Alambadi.	Free of Cost
Software Training on C, C++, and Visual Basic, Java	Dhanalakshmi Srinivasan Higher Secondary School, Perambalur.	Free of Cost
Computer Training Programs organized in School students	Government School, Senjeri.	Free of Cost
Recent Trends in Information Technology	Srinivasan Polytechnic College, Perambalur.	Free of Cost
Software Training on C, C++, and Visual Basic, Java	Dhanalakshmi Srinivasan Matriculation Higher Secondary School, Perambalur.	Free of Cost
Computer Training Programs organized in School students	Government School, Padalur.	Free of Cost
Recent Trends in Information Technology	Dhanalakshmi srinivasan Polytechnic College, Perambalur.	Free of Cost
The Department provides consultancy service towards rural development at free of cost.		

21. Faculty as members n

a) National committees b) International Committees c) Editorial Boards....

Name of faculty	Membership / Committee
S.Nandhakumar	Indian Society for Technical Education
J.Sasi Devi	Indian Society for Technical Education , Computer Society of India
P.Shanmuga Priya	Indian Society for Technical Education
V.Gokulakrishnan	Indian Society for Technical Education
R.Gopi	Computer Society of India

Name of faculty	Membership / Committee
S.Gowrisaranya	Computer Society of India
S.R.Saranya	Indian Society for Technical Education

22. Student projects

- Percentage of students who have done in-house projects including inter departmental / programme
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

U.G

Academic year	% of in-house project	% of industrial project
2010-2011	100 %	-
2011-2012	100%	-
2012-2013	78.35%	21.65%
2013-2014	92.73%	7.27%

P.G:

Academic year	% of in-house project	% of industrial project
2008-2009	100 %	-
2009-2010	100 %	-
2010-2011	100 %	-
2011-2012	100 %	-
2012-2013	100 %	-
2013-2014	100 %	-

23. Awards / Recognitions received by faculty and students

Achievements by faculty

Academic year	Achievement
2011-2012	10 faculties are awarded for their best performance by the management.
2012-2013	14 faculties are awarded for their best performance by the management.
2013-2014	16 faculties are awarded for their best performance by the management.

Achievements by Students

Name of the Student	Batch	University rank
UG		
D.Ragupathi	2007-2011	19 th rank
S.Santhosh Jayasheela		50 th rank
S.Saranya		23 rd rank
R.Durga Devi	2008-2012	43 rd rank
M.V Christy Abhinaya		44 th rank
R.Deepika		46 th rank
J.Prema		21 st rank
P.Saravanan	2009-2013	21 st rank
A.Sindhu		38 th rank
T. Arulmozhi		42 nd rank
PG		
M.Suganthi	2009-2011	5 th rank
I.Eugene Berna	2010-2012	6 th rank
S.Srividhyalakshmi		6 th rank
K.Vijaya Lakshmi		8 th rank
A.Arivazhagan	2011-2013	38 th rank
N.Gowthami		49 th rank

Academic year	Name of the student	Organizing institution	Name of the event	Recognition/ award received
2011-2012	B.LakshmiPriya	Srinivasan Engineering College, Perambalur.	Paper Presentation	I
	P.Saravanan	Srinivasan Engineering College, Perambalur.	C-Debugging	I
	D.Preethi	Srinivasan Engineering College, Perambalur.	Paper Presentation	II
	J.Priya			
2011-2012	S.Brindha	Saveetha Engineering College, Perambalur.	Paper Presentation	II

Academic year	Name of the student	Organizing institution	Name of the event	Recognition/ award received
2012-2013	D.Preethi	Manakula Vinayagar Institute of Technology, Pondicherry.	Paper Presentation	I
	J.Priya			
	D.Preethi	Bishop Heber College, Trichy.	Paper Presentation	I
	J.Priya			
	A.Syed Musthafa	MAM College of Engineering, Trichy.	Paper Presentation	I
	D.Suresh			
	V.Hemanth Kumar	Paavai Engg. College, Namakkal.	Multimedia Presentation	I
	K.Gopinathan			
	S.Kanimozhi	Rover College of Engg. and Technology organized by iSec systems in association with Robasapiens India title sponos of Tryst-2013 IIT – Delhi.	zonal round of Quiz	I
	E.Mahalakshmi			
	Priyanga			
	Sahithiya			
	K.N..Rohit			
	R.Ranjitha	MAM College of Engineering, Trichy.	Athletics - Running	I
		MAM College of Engineering, Trichy.	Volley Ball	I
	M.Pradeep	Collectorate, Perambalur.	Tamil Poetry Competition	I
	T.MadhanKumar	MAM College of Engineering, Trichy.	Cricket (Zonal Level)	I

Academic year	Name of the student	Organizing institution	Name of the event	Recognition/ award received
2012-2013	Salman Nizar	MAM College of Engineering, Trichy.	Cricket (Zonal Level)	I
	A.Velmurugan	MAM College of Engineering, Trichy.	Cricket (Zonal Level)	I
	T.Padmapriya	TRP Engineering College, Trichy.	Volley Ball (Zonal level)	I
		Collectorate, Perambalur.	Volley Ball (Zonal level)	I
		Collectorate, Perambalur.	Javelin Throw	I
	T.Padmapriya	Collectorate, Perambalur.	Long Jump	II
		MAM College of Engineering, Trichy..	Ball Badminton	II
		Jayaram College of Engineering and Technology, Thuraiyur.	4*100 mtr Relay	III
	A. Syed Musthafa	Srinivasan Engineering College, Perambalur.	Multimedia	I
			Paper Presentation	III
	D.Preethi	Srinivasan Engineering College, Perambalur.	Paper Presentation	II
	J.Priya			
	K.N.Rohit	Srinivasan Engineering College, Perambalur.	Paper Presentation	II
	C.Karthick	Srinivasan Engineering College, Perambalur.	Paper Presentation	II
	V.Lakshmi Priya	MAM College of Engineering, Trichy.	Ball Badminton.	II
	A.Gokulakrishnan	Parisutham Institute of Technology and Science, Thanjavur.	Chess	II

Academic year	Name of the student	Organizing institution	Name of the event	Recognition/ award received
2012-2013	S.Srisanthana lakshmi	Dr.Navalar Nedunchezhiyan College of Engineering, Thozhudur.	Paper Presentation	III
	Meenusingh			
	P.Saravanan	Collectorate, Perambalur.	Quiz Competition	III
	N.Kiruthiga			
	V.Lakshmipriya	MAM College of Engineering and Technology, Trichy.	Volley Ball (Zonal level)	Runner
	C.Karthick	Kings College of Engineering, Thanjore.	International Conference	Best paper Award
	A.Syedmusthafa			
	P.Saravanan	Amirtha University, Coimbatore.	International level ACM ICPC Project Contest	Selected as top 15 th team in South India
	A.Syedmusthafa			
	D.Suresh			
2013 - 2014	A.Syedmusthafa	Roever Engineering College, Perambalur.	Paper Presentation	I
			Multimedia	
	A.Sivagurunathan	Jayaram College of Engineering and Technology, Thuraiyur.	Foot Ball (Zonal Level)	I
	Vishnu Vijay	Jayaram College of Engineering and Technology, Thuraiyur.	Foot Ball (Zonal Level)	I
	P.Veera Pandian	Jayaram College of Engineering and Technology, Thuraiyur.	Foot Ball (Zonal Level)	I
	R.Ranjitha	MAM College of Engineering and Technology, Trichy.	4*100 mtr Relay	I

Academic year	Name of the student	Organizing institution	Name of the event	Recognition/ award received
2013 - 2014	R.Ranjitha	MAM College of Engineering and Technology, Trichy.	100 Mtrs	II
	Y.Uma	AS –Salam College of Engineering and Technology, Aduthura.	Multimedia Presentation	II
	B.Baskaran	KKC College of Engineering and Technology, Jayankondam.	Hardware Finding	II
	B.Baskaran	KKC College of Engineering and Technology, Jayankondam.	Technical Quiz	II
	B.Baskaran	Collectorate, Perambalur.	Tamil Essay writing Competition	II
	V.Lakshmi Priya	Jayaram College of Engineering and Technology, Thuraiyur.	Ball Batminton (Zonal Level)	III
	T.Keerthana	Jayaram College of Engineering and Tech., Thuraiyur.	Ball Batminton (Zonal Level)	III
	T.MadhanKumar	Jayaram College of Engineering and Technology, Thuraiyur.	Cricket (Zonal Level)	III
	Salman Nizar	Jayaram College of Engineering and Technology, Thuraiyur.	Cricket (Zonal Level)	III
	T.Barath	Jayaram College of Engineering and Technology, Thuraiyur.	Cricket (Zonal Level)	III

Academic year	Name of the student	Organizing institution	Name of the event	Recognition/ award received
2013 - 2014	B.Baskaran Saddam Hussain	KKC College of Engineering and Technology, Jayankondam.	Paper Presentation	III

24. List of eminent academicians and scientists / visitors to the department

Academic year	Details of resource person
2009 - 2010	Dr.G.Mahadevan, Director, AMC Engineering College, Bangalore.
	Dr.V.Sivakumar Director, Research and Foundation, Anna University, Trichy.
	Dr.Micheal Arock, Professor, National Institutes of Technology, Trichy.
	Mr.J.Ponnivalan, President and CEO, e-inflexation Pvt. Ltd., Singapore.
	Mr. A.N. Senthilvel, Assistant Professor, Coimbatore Institute of Technology, Coimbatore.
2010 - 2011	Dr.V.Sadasivam, Professor, Manonmaniam Sundaranar University.
	Mr.S.R.Balasundaram, Professor/Computer Science and Engineering, National Institutes of Technology, Trichy.
	Mr.Pradeep, Cognizant Technology Solutions, Chennai.
	M.Govindaraju, Assistant Professor/Computer Science and Engineering, Jansons Institute of Technology , Coimbatore.
	Mr.N.Surya & Mr.K.Rajesh, Hardnet IT Academy, Trichy.
2011 - 2012	Mr.J.Visweswaran, Academic Technical Consultant, National Instruments, Bangalore.
	Mr.R.Ravikumar, Senior Manager, ICT Academic of TamilNadu, Chennai.
2011 - 2012	Dr.M.Aramudhan, Associate Professor/Information Technology, Perunthalaivay Kamarajar Institute of Engineering and Technology, Karaikal.

Academic year	Details of resource person
2011 - 2012	V.Rajesh, System Engineer, Tata Consultancy Services, Chennai.
	Dr.K.Baskaran, Associate Professor/Computer Science and Engineering Govt. College of Technologies, Coimbatore.
2012 - 2013	R.Sreenu, Senior Software Engineer, HCL Technologies Ltd., Bangalore.
	Prof.G.Kannan, Senior Research Associate, MIT Campus, Anna University.
	Shri.P.Anbalagan, Associate Professor/Electrical and Electronics Engineering, Anna University Chennai, BIT Campus, Trichy.
	Dr.K.Selvakumar, Associate Professor/Computer Science and Engineering, Annamalai University, Chidambaram.
	Dr.K.Manokaran, Associate Professor / Computer Science and Engineering , Pondicherry Engg. College, Puducherry.
2013 - 2014	Dr.S.Hariharan, Associate professor and Head of the Department/Computer Science and Engineering, TRP Engineering College, Trichy.
	Mr.Ganesh Ramakrishnan, M.D. and Head of Delivery and Operations, iLink Systems Pvt. Ltd., Trichy.
	Dr.Seethalakshmi, Professor/ Computer Science and Engineering , SASTRA University, Tanjore.
	Mr.G.R.Kanagachidambaresan, Assistant Professor /Computer Science and Engineering, Dhanalakshmi Srinivasan College of Engineering, Coimbatore.
	Ms.K.A.Apoorva, Assistant Professor/ Computer Science and Engineering , K.Ramakrishnan College of Technology, Samayapuram.
	Mr.A.A.R.Senthi Kumaar, Assistant Professor / Computer Science and Engineering, PGP College of Engineering and Technology, Namakkal.
	R.Manikandan, Assistant Professor and System Manager / Computer Science and Engineering,, Sri Krishna College of Engineering and Technology, Coimbatore.
	Dr. R. Gobi, School of computer science and Engineering, Bharathidasan University, Tiruchirappalli.

25. Seminars/ Conferences/Workshops organized & the source of funding a) National b) International

Academic year	Details of seminars / Workshops / Conferences		Source of funding
2009 - 2010	National Level Conference	Advanced Computing Technologies	Dhanalakshmi Srinivasan Charitable and Educational Trust,Perambalur.
	National Level Seminar	Advanced computing Technologies	Dhanalakshmi Srinivasan Charitable and Educational Trust,Perambalur.
2010 - 2011	Technical workshop	Multimedia and Web Designing	Dhanalakshmi Srinivasan Charitable and Educational Trust,Perambalur.
	Technical workshop	Networking	Dhanalakshmi Srinivasan Charitable and Educational Trust,Perambalur.
	National Level Seminar	Advanced Computing Technologies	Dhanalakshmi Srinivasan Charitable and Educational Trust,Perambalur.
2011 - 2012	National Level Seminar	Advanced Computing Technologies	Dhanalakshmi Srinivasan Charitable and Educational Trust,Perambalur.
	National Level Conference	Advanced Computing technologies	Dhanalakshmi Srinivasan Charitable and Educational Trust,Perambalur.
2012 - 2013	National Level Seminar	Advanced Computing Technologies	Dhanalakshmi Srinivasan Charitable and Educational Trust,Perambalur.
	National Level Conference	Advanced Computing technologies	Dhanalakshmi Srinivasan Charitable and Educational Trust,Perambalur.
	Technical workshop	Web Services and Grid Computing	Dhanalakshmi Srinivasan Charitable and Educational Trust,Perambalur.
2013 - 2014	National Level Seminar	Open Source Software (PHP and PYTHON)	Dhanalakshmi Srinivasan Charitable and Educational Trust,Perambalur.
	Technical workshop	Parallel and Distributed Paradigm	Dhanalakshmi Srinivasan Charitable and Educational Trust,Perambalur.
	National Level Conference	Advanced Computing Technologies	Dhanalakshmi Srinivasan Charitable and Educational Trust,Perambalur.

26. Student profile programme/course wise:

Name of the Course/Programme B.E-CSE	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
2005-2009	76	64	33	31	78.12
2006-2010	75	64	28	36	78.12
2007-2011	83	63	28	35	100
2008-2012	135	101	40	61	83.17
2009-2013	110	97	52	45	73.19

Name of the Course/Programme M.E-CSE	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
2006-2008	15	15	2	12	85.71
2007-2009	18	18	5	12	100
2008-2010	5	5	3	2	100
2009-2011	18	18	5	13	83.33
2010-2012	35	35	15	20	88.57
2011-2013	35	35	12	23	100

27. Diversity of Students**UG**

Name of the course	% of students from the same state	% of students from other states	% of students from abroad
Computer Science and Engineering (2008-2012)	91%	9%	-
Computer Science and Engineering (2009-2013)	84%	16%	-

Name of the course	% of students from the same state	% of students from other states	% of students from abroad
Computer Science and Engineering (2010-2014)	82%	18%	-
Computer Science and Engineering (2011-2015)	90%	10%	-
Computer Science and Engineering (2012-2016)	88%	12%	-

PG

Name of the course	% of students from the same state	% of students from other states	% of students from abroad
Computer Science and Engineering (2006-2008)	100%	-	-
Computer Science and Engineering (2007-2009)	88.88%	11.11%	-
Computer Science and Engineering (2008-2010)	100%	-	-
Computer Science and Engineering (2009-2011)	83.33%	16.66%	-
Computer Science and Engineering (2010-2012)	80%	20%	-
Computer Science and Engineering (2011-2013)	88.57%	11.42%	-
Computer Science and Engineering (2012-2014)	100%	-	-

28. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?**

Competitive exam	No. of students qualified
Group-IV	01

Competitive exam	No. of students qualified
NCC	04
NSS	04
TANCET	26
CONSORTIUM	38

29. Student progression:**UG**

Student progression	Against % enrolled			
	2007 - 2011	2008 - 2012	2009 - 2013	2010 - 2014
UG to PG	7.93	13.86	12.37	*
PG to M.Phil.	NA	NA	NA	NA
PG to Ph.D.	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-
Employed	57.14	41.58	76.28	74.54
• Campus selection				
• Other than campus recruitment	15.87	19.80	5.15	-
Entrepreneurs /Self employment	3.17	9.9	2.06	*

* Pursuing their UG degree.

2 PG (2006-2008) passed out students, **1PG** (2009-2011) passed out student and **1 UG** (2001-2005) passed out student are pursuing Ph.D.

30. Details of Infrastructural facilities**a) Library:**

The department also maintains a library apart from central library

❖ No of volumes - 544 volumes.

(b) Internet facilities for staff and students

❖ Dedicated computing facility: 140 Systems with Internet Connectivity

❖ Wi-Fi facility (BROVIES,CPLINK,UBNT & ENGINEERS Wireless device) Configuration

❖ LAN Facility: 100/1000 Mbps

- ❖ Internet Speed : 16 Mbps
- ❖ Service Provider : BSNL (16 Mbps)

(c) Class rooms: Eleven class rooms in that one classroom equipped with ICT facility.

(d) Laboratories: The department has 4 Laboratories – Computer Lab-I, Computer Lab-III, Computer Lab-IV, Computer Lab-V.

- In Computer Lab-I we are having 70 systems with Linux Server, Interactive Teacher Control Software, English Language Lab Software, Career Lab software.
- In Computer Lab-III we are having 70 systems with Oracle Server and Net Beans, Rational Rose.
- In Computer Lab-IV we are having 60 systems with .NET Software.
- In Computer Lab-V we are having 60 systems with Macromedia Flash.

31. Number of students receiving financial assistance from college, university, government or other agencies

Academic year 2013-14	No. of students (SC/ST/BC/MBC/FG)
II Year	15
III Year	10
IV Year	38
I Year-M.E	9
II Year-M.E	3

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Academic year	Details of seminars / workshops / Guest Lecturer	External experts
2009 - 2010	Workshop - Data Structures	Dr.Micheal Arock, Professor, National Institutes of Technology, Trichy.
	Seminar - Advanced Computing Technologies	Mr.J.Ponnivalan, President and CEO, e-inflexation Pvt LTD, Singapore. Mr. A.N. SenthilVel, Assistant Professor, Coimbatore Institute of Technology, Coimbatore.

Academic year	Details of seminars / workshops / Guest Lecturer	External experts
2010 - 2011	Workshop - Multimedia and Web designing	M.Govindaraju, Assistant Professor, Jansons Institute of Technology, Coimbatore.
	Workshop - Networking	Mr.N.Surya & Mr.K.Rajesh, Hardnet IT Academy,Trichy.
	Faculty Development Program - Embedded System Design using NI lab view	Mr.J.Visweswaran, Academic Technical Consultant, National Instruments,Bangalore.
	Seminar - Advanced Computing Technologies	Mr.R.Ravikumar, Senior Manager, ICT Academic of Tamilnadu, Chennai.
	Guest lecture - Cloud Computing	Mr.D.Pradeep, Associate Software Engineer, Cognizant Technology Solutions, Chennai.
	Guest lecture - Web Designing and Multimedia	Mr.M.Govindaraju, Asst.Professor, Janson's Institute of Technology, Coimbatore.
	Guest lecture - Distributed Computing	Mr.J.ChenniKumaran, Asst.Professor, Indira Institute of Technology, Chennai.
2011 - 2012	Guest lecture - Theory of Computation	Dr.Sairam, Professor/Computer Science and Engineering, SASTRA University,Thanjavur.
	Guest lecture - Grid Computing	Dr.Selvakumar, National Institutes of Technology, Trichy.
	Guest lecture - 3G Mobile Computing	Mr.Ganesh, Orane Technology Pvt. Ltd.,
2012 - 2013	Workshop - Web services and Grid Computing	Prof.G.Kannan, Senior Research Associate, MIT Campus, Anna University.
	Seminar - Advanced Computing Technologies	Dr.K.Selvakumar, Associate Professor/Computer Science and Engineering, Annamalai University,Chidambaram.

Academic year	Details of seminars / workshops / Guest Lecturer	External experts
2012 - 2013	Guest lecture - Web Services and Grid Computing	P.Udhaya Kumar, National Institutes of Technology, Chennai.
	Guest lecture - Recent trends in Computer Networks	Mr.T.M.Karthi,Business Manager, ACL Infosys,Chennai.
	Guest lecture - Artificial Intelligence	Prof.G.Kannan, Senior Research Associate, MIT Campus, Anna University.
2013 - 2014	Workshop - Parallel and Distributed Paradigm	Dr.Seethalakshmi, Professor/ Computer Science and Engineering , SASTRA University,Tanjore.
	Guest Lecturer - Mobile Databases	Mr.G.R.Kanagachidambaresan, Assistant professor/Computer science and engineering, Dhanalakshmi Srinivasan College of Engineering, Coimbatore.
	Guest Lecturer - Database Management Systems	Ms.K.A.Apoorva, Assistant Professor/ Computer science and engineering, K.Ramakrishnan College of Technology, Samayapuram.
2013 - 2014	Guest Lecturer - Intermediate Code Generation	Mr.A.A.R.Senthil Kumaar, Assistant Professor/ Computer science and engineering, PGP College of Engg. and Technology, Namakkal.

Department offers the following certificate courses

S.NO	Courses	Year	Duration	Resource person
1	CCNA(Cisco Certified Network Associate)	2011-12 (Odd)	6 Months	V.Chandrasekar S.Selvakumar S.Sivagami
2	Web Application Developer (.NET & Java Platform)	2011-12 (Even)	3 Months	R.Gopi R.Selvakumar
3	Computing Technologies	2012 - 13(Odd)	2 Months	V.Gogulakrishnan J.Britto Dennis

S.NO	Courses	Year	Duration	Resource person
4	PHP	2012 -13 (Even)	2 Months	S.Kalaivani R.Revathi
5	Multimedia(Maya)	2013-14 (Odd)	6 Months	K.Parthiban D.Vijayakumar
6	Advanced Diploma in Computer Hardware And Networking	2013-14 (Even)	4 Months	G.Saranraj P.Kiruthiga

33. Teaching methods adopted to improve student learning

Course plan and Course materials are well prepared prior to commencement of every semester. The lecture hours are properly scheduled and delivered by using different modes like black board presentation, OHP presentation and Power point presentation. To improve the soft skill of the students, activities such as Group Discussion, Tutorial classes and individual student seminar on various topics are organized.

Advancements in learning processes such as E-Content (Avail of course materials and video lectures in institution web) are also adopted. In addition other sources include library references, journals, and DELNET and internet facilities to make the students more passionate towards the subject. To bring out the dormant talent of the students Guest lectures, Workshops and Seminars are conducted frequently by eminent experts from various industries.

To evaluate the performance of students in all the aspects related to curriculum, Take home assignments, Slip Tests and Quiz are conducted periodically. To keep themselves updated with the recent advancements and inventions in the core domain Industrial visits, In-plant training, Student's internship, and In house projects are arranged for the students by having tie-up with various industries, Research Laboratories and Public Sector Agencies. To cater to the needs and to provide the remedial action, class committee meetings and counseling hours are effectively arranged periodically.

- ❖ The students are provided with state of the art infrastructure, technology and equipment required to carry on the teaching process in a more synchronized manner
- ❖ The teaching methods adopted are well in consonance with the industry needs and are updated on a regular basis

- ❖ Hands on experience in the respective fields is provided to the students in the form of entrepreneurial ventures, field visits, trips, national study tours, etc.
- ❖ The skills and knowledge of the teachers are upgraded regularly to make them well versed with the latest industry trends so that they can impart knowledge of latest trends and techniques to the students.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- ❖ Organized short term computer training programs for school students.
- ❖ Computer awareness programmes organized in rural area students through NSS.
- ❖ Organized seminar in recent technology for polytechnic students.
- ❖ We conduct various training programs like Photoshop, flash, Web page creation, CorelDraw for rural area students.
- ❖ The Department students are also involved in NSS, NCC, RRC and various awareness programs to serve our society.

35. SWOC analysis of the department and Future plans

Strengths

- ❖ Department is NBA Accredited and ISO Certified.
- ❖ Permanent affiliation from Anna University.
- ❖ Excellent infrastructure.
- ❖ Well equipped Computer labs with internet facilities and LCD projectors.
- ❖ Well qualified, experienced and dedicated faculty.
- ❖ Well Stacked Departmental Library.
- ❖ Producing good results and university ranks.
- ❖ Personal cares of students are taken through Counselors and their problems are solved to keep their focus effectively on their studies only.
- ❖ National conference, seminars and symposia conducted in every year.

Weaknesses

- ❖ Research funding projects from both state and private sponsoring agencies are to be improved.
- ❖ More graduate students and faculties are to be involved in research.
- ❖ MoU's with National / International Organizations are to be established.
- ❖ R & D activities, consultancy services are to be improved.

Opportunities

- ❖ To introduce job oriented and skill based courses on emerging areas with a view to get self employed.
- ❖ Organizing International Conferences.
- ❖ Inviting experts and scientists to give value added features.
- ❖ Students motivated to take up competitive exams.

Challenges

- ❖ Making the faculty and students learn new technologies.
- ❖ Staff members to come up with major research project.
- ❖ To seek grants from AICTE/DST for R&D projects.

Future Plans

- ❖ To initiate Ph.D programme.
- ❖ To establish interaction and collaboration with industry to enhance more job opportunities.
- ❖ Motivate the students for the funded and research project.
- ❖ Enhance the percentage of Ph.D faculty.

6. DEPARTMENT OF BIOMEDICAL ENGINEERING

1.Name of the Department : BIOMEDICAL ENGINEERING

2.Year of Establishment : UG: 2005

3.Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):

Programme offered
Biomedical Engineering [UG]

4.Names of Interdisciplinary courses and the departments/units involved :

S.No.	Courses offered by other Departments	Departments involved
1.	CS2361/Internet and Java CS1405/Internet Programming	Computer Science and Engineering
2.	BM2253/Basics Electrical Engineering EE6201/Circuit Theory	Electrical and Electronics Engineering
3.	CS2068/Data Structure and Object Oriented Programming	Master of Computer Applications
4.	CS2068/Data Structure and Object Oriented Programming	Information Technology
5.	MA2211/Transforms and Partial Differential Equations	Science and Humanities

5.Annual/ semester/choice based credit system (Programme wise):

- Choice based credit system is followed for UG Programmes

6.Participation of the department in the courses offered by other departments :

S.No.	Courses offered to other Department	Departments involved
1	EC6202/Electronics Devices and Circuits	Science and Humanities
2	EC6211/Circuits and Devices Laboratory	

7.Courses in collaboration with other universities, industries, foreign institutions, etc.:

S.No.	Course	Participating institution /industry
1	Hospital Training lab	Dhanalakshmi Srinivasan Medical College and Hospital, Perambalur.
2	Anatomy and Human Physiology	Dhanalakshmi Srinivasan Medical College and Hospital, Perambalur.
3	Radiological Equipments	Dhanalakshmi Srinivasan Medical College and Hospital, Perambalur.
4	MATLAB Modeling	MI Measuring Instruments, Madurai.
5	MIMICS Tool	MTAB Engineers, Chennai.

8.Details of courses / programmes discontinued (if any) with reasons : NIL

9.Number of teaching posts :

Teaching Post	Sanctioned	Filled
Professor	02	02
Associate Professor	05	05
Assistant Professor	17	17

10.Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.) :

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Prof. C.Narayanan	M.Tech., (Ph.D)	Professor	Bio Medical Signal Processing And Instrumentation	16 years	-
Prof. C.R.Kannan	M.E	Professor	Applied Electronics	16 years	-
Mr.V.Pragadheswaran	M.Tech	Associate Professor	Bio Medical Engineering	9 years	-
Mr. S.Saravanan	M.E	Associate Professor	Applied Electronics	7 years	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Ms. G.Anitha	M.E	Associate Professor	Bio Medical Engineering	5 years	-
Mrs. S.S. Prayer win rini	MSc., M.Phil	Associate Professor	Bio Chemistry	7 years	-
Mrs. Hemalatha karnan	M.E., (Ph.D)	Associate Professor	Biomedical instrumentation	7 years	-
Mr. K.Karthick Babu	M.Tech	Assistant Professor	Embedded Systems	2 years	-
Mr. K.Pradeep	M.Tech	Assistant Professor	Bio Medical Engineering	1 year	-
Ms. R.Aruna priyadharsni	M.E	Assistant Professor	Medical Electronics	1 year	-
Mrs. S. Sathya	M.Tech	Assistant Professor	Bio Medical Engineering	1 year	-
Ms. Y. Candida	M.E	Assistant Professor	Communication Systems	1 year	-
Mrs. P.Revathy	M.Tech	Assistant Professor	Bio Medical Instrumentation	1 year	-
Ms. S.A.Priyanka	M.Tech	Assistant Professor	Bio Medical Engineering	1 year	-
Mrs. T. Priya	M.Tech	Assistant Professor	Bio Informatics	1 year	-
Ms.P. Padmapriya	M.E	Assistant Professor	Medical Electronics	9 months	-
Ms. A.Selvi	M.E	Assistant Professor	Applied Electronics	9 months	-
Ms.S.M. Vaishnavi	M.Tech	Assistant Professor	Medical Instrumentation	9 months	-
Ms. V. Kavitha	M.Tech	Assistant Professor	Bio Medical Engineering	9 months	-
Ms. R.Sukanya Devi	M.E	Assistant Professor	Applied Electronics	9 months	-
Ms. R Sriramy	M.Tech	Assistant Professor	Bio Medical Engineering	8 months	-
Mr. S.Paranidharan	M.Tech	Assistant Professor	Bio Medical Engineering	5 months	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Mr. K.Kevin keerthi prakash	M.Tech	Assistant Professor	Bio Medical Engineering	5 months	-
Mrs. S.Anitha rashmi priscilla	M.Tech	Assistant Professor	Bio Medical Engineering	2 months	-

11.List of senior visiting faculty :

Name of the visiting Faculty	Working Organization
Dr. Manoranjitham, MBBS., MD.,	Dhanalakshmi Srinivasan Medical College and Hospital, Perambalur.
Dr. Suresh, MBBS., MD.,	Dhanalakshmi Srinivasan Medical College and Hospital, Perambalur.
Dr. Sageera Banoo, MBBS., MD.,	Dhanalakshmi Srinivasan Medical College and Hospital, Perambalur.
Dr. Prabhu, MBBS., MD.,	Dhanalakshmi Srinivasan Medical College and Hospital, Perambalur.
Dr.M.Anburajan	Head of Biomedical Department, SRM University, Chennai.
Prof.S.P Angelin kiruba	Associate Professor, SRM University, Chennai.
Mr. V. Pragadeeshwaran	Managing Director, Aries Biomed, Coimbatore.

12.Percentage of lectures delivered and practical classes handled (programme wise) by probationary faculty :

12% of the theory and practical classes are handled by temporary staff members.

13.Student Teacher Ratio(Programme-wise) :

Programme	Student Teacher Ratio	
	As per norms	In operation
B.E	15:1	15:1

14.Number of academic support staff (technical) and administrative staff sanctioned and filled :

	Sanctioned	Filled
Technical Staff	03	03
Administrative Staff	01	01

15. Qualification of teaching faculty with DSc/ D.Litt/ Ph.D/M.Phil/PG :

Qualification	No of Faculty
PG (M.E/ M.Tech)	24

16. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received :

This institution is affiliated under Anna University, Chennai but self-financed. So, it is challenging to find funds from various international agencies.

Project title	Funded by	Total Grant received	Faculty	Status of the Project
Automated external defibrillator using embedded system	Dhanalakshmi Srinivasan medical college and hospital, Perambalur.	1,05,670	Prof. C.Narayanan	Ongoing
Early detection of various neurological disorders using gait analysis	Dhanalakshmi Srinivasan medical college and hospital, Perambalur.	68,750	Mrs.Hemalatha karnan	Ongoing
Flow analysis of coronary artery using MMICS with RP models	MTAB Technology Centre, Chennai.	53,370	Mr.K.Pradeep	Ongoing

17. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; and total grants received:

Our Department has not received any government aided grants however it is possible to receive grants from private agencies or arrange on our own

Project title	Funded by	Total Grant received	Status of the Project
Automatic Anesthesia Injector	Rajah Muthiah Medical College and Hospital, Chidambaram.	49,000	Completed
Data Driven Initialization of EM Segmentation	Malankara Orthodox Syrian Church Medical College and Hospital, Kerala.	68,750	Completed
Design of dental conduction hearing Device	Dhanalakshmi Srinivasan Medical College and Hospital, Perambalur.	43,560	Completed

18. Research centre / facility recognized by the University :

Proposal has been made to start biomedical research centre under Anna University, Chennai

19. Number of papers published in peer reviewed journals (national / international) by faculty and students :

Details of Publications by faculty members

Name of the Staff	National Publications	International Publications
Prof.C.Narayanan	-	1
Mrs. Hemalatha Karnan	1	1
Mrs. R.Aruna Priyadarshini	1	-
Mr. K.Pradeep	-	1
Ms. Y.Candida	1	-
Ms. P.Padmapriya	-	1

Name	Title of the paper (Citation)	Name of the Journal/ Impact Factor	Volume No, Page No, Year
2012-2013			
Prof. C.Narayanan	Segmentation of fused CT & MRI images with brain tumor	International Journal of Engineering research and technology Impact factor:1.76	Vol. 2, Issue 5, May 2013
Mr. K.Pradeep	Segmentation of fused CT & MRI images with brain tumor	International Journal of Engineering research and technology Impact factor:1.76	Vol. 2, Issue 5, May 2013
Mrs. R.Aruna Priyadarshini	Early detection of various neurological disorder using GAID analysis	International Journal of Signal Processing Systems Impact factor:1.7	Vol. 1, Issue 3, 2012
Ms. Y.Candida	Minimizing transmit power using efficient & reliable routing protocol in wireless sensor networks for avionics	International Journal of Optimization in Communication Engineering	Vol. 6, Issue 1, March 2012
2013-2014			
Ms. P.Padmapriya	Analysis Of Electroencephalogram using Radial Basis Function	International Journal of Engineering research and technology Impact factor:1.76	Vol. 2, Issue 5, May 2013

* No of Publications listed in international Database(for Eg: Web of Science, Scopus, Humanities International Complete, Dare Database, International Social Sciences Directory, EBSCO host, etc): NIL

- * Monographs :NIL
- * Chapter in books :NIL
- * Books Edited : NIL
- * Books with ISBN/ISSN numbers with details of publisher: NIL
- * SNIP : NIL
- * SJR : NIL
- * h-index : NIL
- * Citation Index : NIL

20.Areas of consultancy and income generated :

Consultancy providing free services

Year	Project title	Name of the Consultancy	Beneficiary
2013-2014	Bio Med Health Camp	Department of Bio Medical Engineering Dhanalakshmi Srinivasan Engineering College	Students from various departments, Dhanalakshmi Srinivasan Engineering College
	Design of Peristaltic dialyzer		MI Measuring Instruments
	Blood Group Identification		Students from various departments, Dhanalakshmi Srinivasan Engineering College
2012-2013	Installation of ICU equipments	Srinivasan Engineering College	Dhanalakshmi Srinivasan Medical College and Hospital,
2011-2012	Bio Med Health Camp		Students from various departments, Dhanalakshmi Srinivasan Engineering College

Consultancy taking charges

Year	Project title	Name of the Consultancy	Funds Received
2010 - 2013	Hospital Information System	Dhanalakshmi Srinivasan Medical College and Hospital, Perambalur.	22,785
	Computer-Aided Drug Dispenser	MI Measuring Instruments, Madurai.	21,583
	Biomedical Health Card Design	Dhanalakshmi Srinivasan Medical College and Hospital, Perambalur	23,000

The department also provides consultancy service towards **rural development** free of cost.

21. Faculty as members in a) National Committees b) International Committees c) Editorial boards, etc., :

Name of Faculty	Membership /Committee
Prof. C.Narayanan	Biomedical Engineering Society of India - Life Member

22. Student projects :

Percentage of students doing projects in collaboration with industries / institutes

Academic Year	% of in house projects	% of industrial projects
2005-2009	20	80
2006-2010	15	85
2007-2011	15	85
2008-2012	5	95
2009-2013	10	90

23. Awards / recognitions received by faculty and students :

Achievement by faculties

Academic Year	Achievement
2009 - 2010	- 13 Faculty members have been awarded by the Management for the good performance in university results. - Conducted two weeks AICTE sponsored SDP.
2010 - 2011	- 8 Faculty members have been awarded by the Management for the good performance in university results. - 1 faculty is nominated as a Board Member of Anna University. - Produced 100% result in 7 th & 8 th semester.
2011 - 2012	- 13 Faculty members have been awarded by the Management for the good performance in university results.
2012 - 2013	- 8 Faculty members have been awarded by the Management for the good performance in university results. - 4 staff members presented a paper in national/international journals. - 2 staff members presented guest lecture speech in other institutions
2013 - 2014	- 4 Faculty members have been awarded by the Management for the good performance in university results. - 2 staff members presented a paper in International journal.

**Achievement by Students:
Academic Achievements**

Name of the Student	Batch	University Rank
Sreekala.S.Nampoothri	2007-2011	1 st Rank
Sreemathi Niranjana		5 th Rank
Keerthiraj.P.V	2008-2012	2 nd Rank
Keerthana Baskaran		3 rd Rank
Annalakshmi.A		6 th Rank
Indu priya Saravanan	2009-2013	1 st Rank
Nithya Jayarajan		5 th Rank

Co-Curricular & Extra Curricular Activities

Academic Year	Name of the student	Organizing Institution	Name of the Event	Recognition/ Award Received
2010-2011	Bhuvaneshwari.S	Sports Development Authority of Tamilnadu, Perambalur.	District Level, Marathon Race	IX
2011-2012	A.Vijayanand	District Level Athletic Meet Under-20, Perambalur.	100 MTS	I
			4 x100 mts Relay	I
			400 mts	II
2012-2013	Vinotha.C	Vellalar College of Engineering and Tech., Erode.	Paper Presentation	I
		Sri Angalamman College of Engineering and Tech., Trichy.	Paper Presentation	I
	Abinaya. A	Sri Angalamman College of Engineering and Tech., Trichy.	Paper Presentation	I
	Dhanya.A.D	College of Engineering, Guindy.	Project Display	II
	Ashmi sabna v martina			

Academic Year	Name of the student	Organizing Institution	Name of the Event	Recognition/ Award Received
2013-2014	Sethuraman.E.L	Jayaram College, Thuraiyur.	Zonal level Cricket	Man of the Series
	D.Pavithra	Collectrate, Perambalur.	Zonal level Volley ball	I
		Jayaram College, Thuraiyur.	Javelin	I
		MAM college of Engineering and Technology, Trichy.	Zonal level Volley ball	II
	R.Sumalasri	ANNA University, Trichy.	Zonal level Badminton	I
		PSNA College, Dindugal.	Inter-zone Badminton	II
		Collectorate, Perambalur.	CM Trophy	II
	L.Lavanya, R.Ishwarya Devi	Adhiyaman Engineering College, Hosur.	Poster Presentation	I
	R.Vanisri, M.Priyanka	Dhanalakshmi Srinivasan Institute of Technology, Samyapuram.	Paper Presentation	I

24.List of eminent academicians and scientists / Visitors to the department:

Academic year	Details of Resource person
2009-2010	Dr.S.Janakiraman MBBS.,MS.,DLO., Royal Pearl Hospital, Trichy.
	Dr.Mohammed Ali Syed, Professor and Head, Department of Biomedical Engineering, SRM University, Chennai.
	Dr.Vetrivendhan Assistant Surgeon, Government Hospital, Pattukotai.
	Dr.Charles John Basker, MD., Scientist, Geomarine Biotechnologies, Chennai.
	Prof. T.N.Prabaharan, Department of Instrumentation and Control Engineering, Saranathan Engineering College, Trichy.

Academic year	Details of Resource person
2010-2011	Dr. V.Sankaranarayanan, Professor, National Institute of Technology, Trichy.
	Prof. S.Mahesh Anand, Managing Director in Phlox Med Lab, Chennai.
	Mr. M.Pranesh, Cognizant Technology Solution, Pondichery.
	Mr. B.Hema Kumar, Assistant Professor and Head, Department of Electronics and Instrumentation Engineering, Pondichery Engineering College, Pondichery.
	Mr. G.S.Ayappan, Central Scientist Instrument Organization, Chidambaram.
2011-2012	Dr.Selvakumar, Department of Computer Science and Engineering, Annamalai university, Chidambaram.
	Dr. S.Venkidusamy, Professor and Head, Department of Physiology, Dhanalakshmi Srinivasan Medical College and Hospital, Perambalur.
	Mr. B.Balasubramanian Professor and Head Department of Biomedical Engineering, Sri Ramakrishna Engineering College, Coimbatore.
	Mr. R.Ponnusamy, Professor, Department of Computer Science and Engineering, Aarupadai Veedu Institute of technology, Chennai.
2012-2013	Mr.R.Murugananthan, Consultant, Client Minders Research Institute, Trichy.
	Dr.Neelakandan, Medical Superintendent, Dhanalakshmi Srinivasan Medical College and Hospital, Perambalur.
	Dr.P.Ramesh Babu, Professor in Electronics and Communication Engineering, Pondicherry Engineering College, Pondicherry.

Academic year	Details of Resource person
2012-2013	Mr.R.Santhosh Kumar, Team Leader in software Division, MTAB Engineers Pvt.Ltd.,Chennai.
	Mr.K.Guru Prasad, Executive Engineer, Siemens Healthcare,Mumbai.
	Dr.M.Anburajan, Professor and Head, Department of Biomedical Engineering, SRM College,Chennai.
	Mr.Subramoniam Ayyaippan, Senior Research Fellow, National Institute of Mental Health and Neuro Sciences, Bengaluru.
2013-2014	Dr.R.R.Rajendran, Head of the Paediatrics, Dhanalakshmi Srinivasan Medical College and Hospital, Perambalur.
	Dr.Mahesh Kandaswamy,Research Scientist, National Institute of Mental Health and Neuro Sciences, Bengaluru.
	Dr.M.Nirmala,Department of Neurophysiology, National Institute of Mental Health and Neuro Sciences, Bengaluru.

25.Seminars/ Conferences/Workshops organized and the source of funding (national / international):

Academic year	Details of seminars / Workshops / Conferences		Source of Funding
2009-2010	National Symposium	Cadenza'09	Management
	Guest Lecture	Biomedical instrumentation and DTE	Management
	National Level Seminar	Recent Trends in Biomedical Engineering	Management
	AICTE sponsored SDP (2 weeks)	Recent Trends in Biomedical Engineering Using MATLAB Simulation Tools	AICTE
2010-2011	Guest Lecture	Physiological Modeling	Management
	National Symposium	Techniker'10	Management
	National Seminar	Clinical Engineering	Management
	Guest Lecture	Applications of microprocessor and microcontroller	Management
	Biomed Health Camp	Biomed Health Camp	Management

Academic year	Details of seminars / Workshops / Conferences		Source of Funding
2011-2012	Workshop	Radiological Equipments used in medical field	Management
	National Conference	Escalation in Healthcare system'12	Management
	Intra college Technical Contest	Biociencia'11	Management
	National Seminar	Technological Advancements in Biomedical Field	Management
2012-2013	Guest Lecture-I	Neural Networks	Management
	Guest Lecture-II	Signal Processing	Management
	One day Workshop	Engineering Trends in Biomedical Engineering Using MIMICS Tool	Management
	Symposium	Cadenza'12 - Role of biomedical engineers in medical field	Management
	National Seminar	Paradigm for Radiation Hazards	Management
	National Conference	Advanced Trends in Healthcare Engineering'13	Management
2013-2014	National Seminar	Cadenza'13	Management
	National Conference	Bio Conclave'14 -	Management
	Bio Med Camp	AVEKSHA'14	Management

26.Student profile programme / course-wise:

Name of the Course / Programme	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
BME (2005-2009)	30	20	12	8	80.0%
BME (2006-2010)	58	34	20	14	79.41%
BME (2007-2011)	72	57	25	32	87.71%
BME (2008-2012)	88	66	23	43	83.33%
BME (2009-2013)	92	66	27	39	74.2

27.Diversity of students :

Name of the Course	% of students from the Same State	% of students from other States	% of students from abroad
BME (2005-2009)	37.5	62.5	-
BME (2006-2010)	16.66	83.33	-
BME (2007-2011)	10.5	89.47	-
BME (2008-2012)	45.58	54.41	-

Name of the Course	% of students from the Same State	% of students from other States	% of students from abroad
BME (2009-2013)	43.93	56.06	-

28.How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

Competitive Exam	No. of students Qualified
GATE	10
Banking service	4

29.Student progression :

Student progression		Against % enrolled			
		2010-2011	2011-2012	2012-2013	2013-2014
UG to PG		10	9	4	3
PG to M.Phil.		-	-	-	-
PG to Ph.D.		-	-	-	-
Ph.D. to Post-Doctoral		-	-	-	-
Employed	Campus selection	47.3	42.4	86.3	63.6
	Other than campus recruitment	26.3	28.8	-	6
Entrepreneurship/Self-employment		-	-	-	-

30.Details of Infrastructural facilities :

(a) The department also maintains a separate library apart from general library. Totally, 75 titles and 154 Volumes are kept in the department library.

(b) Internet facilities for staff members and students

- Dedicated computing facility: 15 Systems with Internet Connectivity
- Wi-Fi facility (BROVIES,CPLINK,UBNT & ENGINNERS Wireless device) Configuration
- LAN Facility: 100/1000 Mbps
- Internet Speed : 16 Mbps
- Service Provider : BSNL (16 Mbps)

(c) Class rooms with ICT facility: Our department has 6 class rooms out of which 1 classroom is equipped with ICT Facility.

(d) Laboratories: 2 Laboratories with adequate facilities for a batch of 30 students

Biomedical Instrumentation Lab and Biochemistry Lab

- ❖ Biomedical Instrumentation lab is used to provide hands on training on

measurement of physiological parameters, bio chemical parameters measurement and bio signal analysis

- ❖ Biochemistry lab provides the practice on chemical examinations, Cryoprocessing, Histopathological examinations etc.

31.Number of students receiving financial assistance from college, university, government or other agencies :

Academic Year (2013-14)	No. of Students (SC/ST/BC/MBC/FG)
II Year	30
III Year	21
IV Year	16

32.Details on student enrichment programmes (special lectures / workshops / seminar) with external experts :

Year	Details of Seminars / Workshops / Conferences	External Expert
2009-2010	Biomedical Signal Processing in Biomedical Engineering	Prof.T.N.Prabaharan, Department of Instrumentation and Control Engineering, Saranathan Engineering College, Trichy.
	Biomedical instrumentation and Diagnostic and Therapeutic Equipment	Dr.Vetrivendhan,Assistant Surgeon, Government Hospital, Patukottai.
	National seminar on Recent Trends in Biomedical Engineering	Dr.Mohammed Ali Syed, Professor and Head, Department of Biomedical Engineering, SRM University, Chennai.
	National seminar Recent Trends in Biomedical Engineering	Dr.Charles John Basker, Scientist Managing Director, Geomarine biotechnologies, Chennai.
2010-2011	Guest Lecture on Physiological Modeling	Mr.M.Pranesh, Cognizant Technology Solution, Chennai.
	Introspecting level of budding engineers	Dr.V.Sankaranarayanan,Professor, National Institute of Technology, Trichy.
	National Seminar on Clinical Engineering	Mr. B.Hema Kumar, Assistant Professor, Department of Electronics and Instrumentation Engineering, Pondichery Engineering College, Pondichery.
	Guest Lecture on Application of microprocessor an microcontroller	Mr.G.S.Ayyappan, Central Scientist Instrument Organization, Chidambaram.

Year	Details of Seminars / Workshops / Conferences	External Expert
2011-2012	Escalation in Healthcare system'12	Mr. R.Ponnusamy, Professor, Department of Computer Science & Engineering, Aarupadai Veedu Institute of technology, Chennai.
	Technological Advancements in Biomedical Field	Mr.B.Balasubramanian M.E., Professor and Head, Department of Biomedical Engineering, Sri Ramakrishna Engineering College, Coimbatore.
	Intra college Technical Contest - Biociencia'11	Dr.Charles, Principal, Dhanalakshmi Srinivasan Engineering College, Perambalur.
	Curatio De Main'11 - Bio Medical Radiations	Dr.S.Venkidusamy, Professor and Head, Department of Physiology, Dhanalakshmi Srinivasan Medical College and Hospital, Perambalur.
2012-2013	Guest Lecture on Signal Processing	Dr.P.Ramesh Babu, Professor Electronics and Communication Engineering, Pondicherry Engineering College, Pondicherry.
	Guest Lecture on Neural Networks	Mr.R.Murugananthan, Consultant, Client Minders Research Institute, Trichy.
	Engineering Trends in Biomedical Engineering MIMICS Tool	Mr.R.Santhosh Kumar, MTAB Engineers Pvt.Ltd., Team Leader software Division, Chennai.
	Cadenza'12 - Role of biomedical engineers in medical field	Mr. K.Guru Prasad, Executive Engineer, Siemens Healthcare, Mumbai.
	ATHE'13 - National Level conference on Advanced trends in Health care Engineering	Mr. A.Subramoniam, Senior Research Fellow, National Institute of Mental Health and Neuro Sciences, Bengaluru.
	Paradigm for Radiation Hazards	Dr.M.Anburajan, Professor and Head, Department of Biomedical Engineering, SRM College, Chennai.
2013-2014	Cadenza'13 - National Level Seminar	Dr.Mahesh Kandaswamy, Research Scientist, National Institute of Mental Health and Neuro Sciences, Bengaluru.
	Bio Conclave'14 - National Level Conference	Dr.M.Nirmala, Department of Neurophysiology, National Institute of Mental Health and Neuro Sciences, Bengaluru.
	AVEKSHA'14 - Bio Med Camp	

33. Teaching methods adopted to improve student learning:

- The motive of our teaching is to awaken the natural curiosity of younger minds for the purpose of satisfying the future needs of society. In this

context, we strongly believe that the teaching methodology makes the difference. So, depending on the subjects we adopt the various techniques of teaching such as black board teaching, OHP and Power Point Presentation.

- The department fulfills the students' requirements by employing new skills in teaching such as preparation, explanation, observation and supervision. Supporting this, course plan and course materials are well prepared and are provided to the students at the completion of every unit.
- Tutorial classes, group discussions and individual seminars are arranged as part of student's activity to ignite the interest in the subject. Assignments and slip tests are conducted to improve the academic performance of the students. Industrial visits and in-plant training are arranged to get industrial exposure. This makes the students to observe and manipulate the real object by witnessing the demonstration given by the experts. Also students get the opportunity to work in the same industry for their project.
- By conducting the class committee meeting and counseling, their academic needs are taken care of then and there. Every year guest lectures, workshops and seminars are organized which in turn improve the scientific knowledge of the students.
- Yet other facilities in the campus such as e-learning resources, Library references and Wi-Fi are available during working hours.

34.Participation in Institutional social responsibility(ISR) and Extension activities :

Considering the needs of the society, we organize various free camps for the welfare of the people which involves,

- ❖ Pollution awareness programs
- ❖ Bio Medical Camps
- ❖ Blood donation camps
- ❖ AIDS awareness programs
- ❖ Clean and green environment programs

35.SWOC analysis of the department and future plans :

Strength

- ❖ Well equipped laboratory facilities are provided to the students
- ❖ Efficient Faculty members with good profile
- ❖ Produced university rank holders for the past four years
- ❖ Exposure to recent trends and Technologies through workshops and so on Good support from alumni
- ❖ Motivating the students towards research field
- ❖ Experts from various organizations are invited to give guest lectures and seminar

Weakness

- ❖ Less Involvement in extracurricular activities.
- ❖ Less number of publications and research work by faculty members and students since it is an emerging field in Engineering.

Opportunities

- ❖ Providing training to the students through workshops.
- ❖ Conducting placement training programmes focusing on 100% placement.
- ❖ In plant training and industrial visits are arranged to acquire industrial exposure.
- ❖ Participation in international/National seminars and conferences to enrich the knowledge.

Challenges

- ❖ Effective teaching techniques need to be incorporated.
- ❖ To claim for funds from government and various international agencies.
- ❖ Progression towards relating the conventional techniques with recent trends.
- ❖ To increase the number of journal publications.
- ❖ The expectations of core companies have to be satisfied.

Future plans

- ❖ Proposing to establish PG programmes.
- ❖ Striving for 100% results and placements.
- ❖ Motivate students to get involved in research and faculty members to pursue Ph.D.
- ❖ Planning to organize international conference to strengthen the global network.
- ❖ Try to get more funds for research.

7. DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**1. Name of the Department : Electrical and Electronics Engineering****2. Year of Establishment : UG: 2002
PG: 2011****3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**

Programmes offered
Electrical and Electronics Engineering (UG)
Power Electronics & Drives (PG)
Embedded System Technologies (PG)

4. Names of Interdisciplinary courses and the departments / units involved :

S.No.	Courses offered by other Departments	Departments involved
1	MA2211/ Transforms and Partial Differential Equations EE2221/ Environmental Science and Engineering MA2264/ Numerical Methods	Science and Humanities
2	EE2203/ Electronic Devices and Circuits EE2254/ Linear Integrated Circuits and Applications EE2255/ Digital Logic Circuits EC2311/ Communication Engineering EC2314/ Digital Signal Processing EE2354/ Microprocessors and Microcontroller EE2207/ Electron Devices and Circuits Laboratory EE2258/ Linear and Digital Integrated Circuits Laboratory EE2356/ Microprocessors and Microcontroller Laboratory	Electronics and Communication Engineering
3	EE2204/ Data Structures and Algorithms CS2311/ Object Oriented Programming CS2363/ Computer Networks EE2209/ Data Structures and Algorithms Laboratory CS2312/ Object Oriented Programming Laboratory	Computer Science and Engineering

S.No.	Courses offered by other Departments	Departments involved
4	MG2351/ Principles of Management	Master of Business Administration
PG COURSES		
5	CL7204/ Soft Computing Techniques	Information Technology
6	MA7163/ Applied Mathematics for Electrical Engineers	Science and Humanities

5. **Annual/ semester/choice based credit system (Programme wise):**
Choice based credit system is followed for both UG and PG Programmes.

6. **Participation of the department in the courses offered by other departments :**

S.No.	Courses offered to other Department	Departments involved
1.	GE6252/ Basic Electrical and Electronics Engineering ME2205/ Electrical Drives and Control ME2209/ Electrical Engineering Laboratory	Mechanical Engineering
2.	GE6252/ Basic Electrical and Electronics Engineering	Civil Engineering
3.	GE6252/ Basic Electrical and Electronics Engineering	Aeronautical Engineering
4.	EC 2201/ Electrical Engineering EC 2255/ Control Systems EC2259/ Electrical Engineering and Control Systems Laboratory	Electronics and Communication Engineering
5.	BM 2253/ Basics of Electrical Engineering	Biomedical Engineering
6.	GE 1101/ Engineering Practices Laboratory	Mechanical Engineering Civil Engineering Aeronautical Engineering Electronics and Communication Engineering Bio medical Engineering Electrical and Electronics Engineering Computer Science Engineering Information Technology

7. Courses in collaboration with other universities, industries, foreign institutions, etc. :

S.No.	Course	Participating institution /industry
1.	National Franchisee Training Program	Ministry of Power, TANGEDCO, Madurai
2.	Solid State Drives	DVP/DRDO/CVRDE, Chennai
3.	Campus Connect Programme	TCS, Sri Ram Values, Chennai
4.	Placement Training	Key Minds, SMART, Asset, Transtaff, Chennai
5.	Recent Trends in Electrical Machines	DVP/DRDO/CVRDE, Chennai
6.	Electric Traction	DEE/ Indian Railway, Chennai
7.	Development of Electrical Vehicles using Special Machines	Ampere vehicles, Coimbatore
8.	Advanced Technology of Inverters	AMS battery industries, Salem
9.	Recent Enhancement in Electric Motors	Igarashi Motors Limited, Chennai
10.	Emerging technology in Power Electronics	Ramya power electronics, Chennai
11.	Design and Development of UPS and Stabilizers	Elite Power Systems India Pvt.,Ltd., Chennai
12.	Industrial Automation on PLC and SCADA	Prolific Systems & Technologies Pvt Ltd, Coimbatore
13.	Design of VLSI based applications	RBA groups, Chennai
14.	Design, development, debugging and testing of Hardware and Software architecture of FPGA	VEE Technologies Solutions Pvt., Ltd., Chennai
15.	Design and modeling of Automatic voltage regulator for three phase synchronous generators using MATLAB	Fore view Technologies Pvt.,Ltd., Chennai
16.	Emerging trends in Embedded systems	Ultra System and Solution, Perambalur
17.	Automation of power system using PLC/SCADA	VI Microsystems Pvt.Ltd, Chennai

**8. Details of courses / programmes discontinued (if any) with reasons :
NIL**

9. Number of teaching posts :

	Sanctioned	Filled
Professors	4	4
Associate Professors	7	7
Assistant Professors	19	22

**10. Faculty profile with name, qualification, designation, specialization
(D.Sc./D.Litt./ Ph.D./M.Phil., etc.) :**

S.No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D students guided for the last 4 years
1.	Dr.P.Ravi Babu	M.Tech., Ph.D	Professor	PS	14 years	2
2.	Dr.K.Srinivasan	M.E., Ph.D	Professor	PS	14 years	2
3.	S.Gobi Mohan	M.E.,	Professor	Mechanics	16 years	--
4.	P.Chandra	M.Tech.,	Professor	CS&I	14 years	--
5.	S.Jayanthi	M.E.,	Associate Professor	PED	15 years	--
6.	P.Vel murugan	M.E.,	Associate Professor	PED	12 years	--
7.	K.Anbarasan	M.E.,	Associate Professor	PED	8 years	--
8.	K.J.Madhuselvi	M.Tech.,	Associate Professor	PED	5 years	--
9.	K.Gobi	M.E.,	Associate Professor	PED	5 years	--
10.	S.Selvakumaran	M.E.,	Associate Professor	PED	5 years	--

S.No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D students guided for the last 4 years
11.	P.G.Raja sekaran	M.E.,	Associate Professor	PED	5 years	--
12.	K.Priya dharsini	M.E.,	Assistant Professor	PED	3 years	--
13.	N.Saranya	M.E.,	Assistant Professor	AE	2 years	--
14.	K.Keerthana	M.E.,	Assistant Professor	PS	2 years	--
15.	G.K.Moorthy	M.E.,	Assistant Professor	PS	1 year	--
16.	D.Jagadeeswar i	M.E.,	Assistant Professor	PED	1 year	--
17.	M.Asai Thambi	M.E.,	Assistant Professor	PED	1 year	--
18.	J.Nagendran	M.E.,	Assistant Professor	PED	1 year	--
19.	U.Ramya	M.Tech.	Assistant Professor	ES	1 year	--
20.	N.Saranya	M.E.,	Assistant Professor	PED	1 year	--
21.	S.Salomi Mary Magdalene	M.Tech.	Assistant Professor	ES&M	8 month	--
22.	D.Velmurugan	M.E.,	Assistant Professor	VLSI	8 month	--
23.	S.Srinivasan	M.E.,	Assistant Professor	EST	8 month	--
24.	M.Muthamizh selvi	M.E.,	Assistant Professor	ES	8 month	--
25.	C.Paramasivan @Vignesh	M.E.,	Assistant Professor	PED	8 month	--
26.	A.Nagarajan	M.E.,	Assistant Professor	PED	8 month	--
27.	N.Kalaivani	M.E.,	Assistant Professor	PED	8 month	--
28.	P.Siva Sankari	M.Tech.	Assistant Professor	PED	8 month	--

S.No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D students guided for the last 4 years
29.	K.Soundariya	M.E.,	Assistant Professor	PED	8 month	--
30.	V.Purusothaman	M.E.,	Assistant Professor	EST	8 month	--
31.	P.Manikandan	M.Tech.	Assistant Professor	PED	8 month	--
32.	P.Karthiga	M.Tech.	Assistant Professor	E&I	2 month	--
33.	R.Chitra	M.Tech.	Assistant Professor	EC&M	2 month	--

11. List of senior visiting faculty :

S.No.	Name of the visiting Faculty	Working Organization
1.	Dr.K.Kanagasabapathy	General Manager, Electrical and Automation FLsmidh,Chennai
2.	Mr.S.Balasubramanian	DEE/ Indian Railway,Chennai
3.	Mr.C.Madivanan	Additional Director, DRDO/CVRDE,Chennai
4.	Mr.B.Raja	Associate Engineer, HCL Technologies,Chennai
5.	Mr.P.Ganesan	Senior Executive Engineer /Neyveli Lignite Corporation
6.	Mr.P.Arunraj	Deputy Manager, GSH India Pvt.Ltd., Chennai
7.	Mr.V.Arun	Product Engineer, KLV Automation, Chennai

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty :

The lectures and practical classes are handled by permanent faculty members to improve academic performance as well as technical knowledge of the student. Above 5% of classes are to be handled by probationary Assistant Professor.

13. Student Teacher Ratio(Programme-wise) :

Programme	Student Teacher Ratio	
	As per norms	In operation
B.E	15:1	15:1
M.E	12:1	12:1

14. Number of academic support staff (technical) and administrative staff sanctioned and filled :

	Sanctioned	Filled
Technical Staff	07	07
Administrative Staff	02	02

15. Qualification of teaching faculty with DSc/ D.Litt/ Ph.D/M.Phil/PG :

Qualification	No. of Faculty
Ph.D	2
PG(M.E/M.Tech)	31

16. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received :

Different research and development projects are carried out in areas of Electrical Engineering, Power Electronics and Drives and Embedded Technology. Most of the under graduate and post graduate projects are research oriented and also to meet the demand of industrial needs. Different industry related projects are carried out at TELK, TANGEDCO, NLC, and DRDO.

Project title	Funded by	Total Grant received	Faculty	Status of the Project
Design and development of BLDC motor for the Air Defence Gun	Defence Research and Development Organization	7,00,000	S.Gobi mohan	Ongoing
Development of a AC generator for the light combat aircraft	Defence Research and Development Organization	5,00,000	S.Jayanthi	Ongoing
Dynamic modeling of wind and photovoltaic energy conversion system	Dhanalakshmi Srinivasan Group of Educational Trust	6,00,000	P.Chandra	Ongoing

17. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; and total grants received :

We have applied to DST-FIST, DBT, ICSSR our project proposals. The funds are awaited. The following agencies are sounded for sponsorship.

Project title	Funded by	Total Grant received (in Rs.)	Status of the Project
Design and Erection of substations using modern simulation tools	AICTE	100,000	Completed
Solar water heater	Dhanalakshmi Srinivasan Charitable and Educational Trust	3,00,000	Completed
Faculty development program on recent trends in Embedded System	AICTE	--	Applied
Emerging Investigations in Electrical Engineering	AICTE	--	Applied
MODROB for Power Electronics and Drives lab	AICTE	--	Applied

The department has completed two projects funded by two different agencies and applied for three projects for the current academic year.

18. Research centre / facility recognized by the University :

There are many number of research and development projects completed by students and faculty members of the department. Also, many research projects are currently going on. An endorsement has been applied to the Anna University, Chennai for grant of research centre.

19. Publications:**a) Publication per faculty**

S.No.	Name of the Staff	National Publications	International Publications
1.	Dr.Ravi Babu	21	19
2.	Dr.K.Srinivasan	15	10
3.	Mr.S.Gobi mohan	5	2
4.	P.Chandra	1	1
5.	Mr. N.Vengadachalam	10	--
6.	Mr. K.Anbarasan	7	3
7.	Ms.S.Jayanthi	11	4
8.	Mr. P.Velmurugan	8	1
9.	Mr. S.Selvakumaran	5	1
10.	Mrs. K.Priyadharsini	4	1
11.	Ms. N.Saranya	3	--
12.	Ms. K.Keerthana	4	3
13.	Mr. J.Nagendran	4	--
14.	Mr. M.Aasai thambi	3	1
15.	Mrs. K.J.Madhuselvi	-	2
16.	Ms. U.Ramya	-	3
17.	Ms.D.Jagadeeswari	4	1
18.	Ms.M.Muthamizhselvi	2	3
19.	Mr.K.Gobi	4	--
20.	Mr.S.Srinivasan	2	2
21.	Mr.A.Nagarajan	3	1
22.	Mrs.N.Saranya	1	--

Name of the author	Journal	Paper title	Volume, Year
Dr.P.Ravi Babu	National Journal, Engineering Today (impact factor=0.173) (h-index=2)	Fuzzy application to Air condition Load management, a DSM tool	Vol. IX, Jan-2007
	International Scientific Journal, Italy (impact factor=1.808) (h-index=3)	Demand Side Management Techniques applied to a Milk Industry for peak load reduction, a case study	Vol. LXII, No. 04, August 2007
	International Scientific Journal, Italy (impact factor=1.808) (h-index=2)	Demand Side Management applied to a Sub- Station for energy Conservation, a case study	Vol. LIX, No. 02, 2008
	International Scientific Journal, Italy, (impact factor=1.808) (h-index=1)	Application of Demand Side Management for Low voltage consumers, a case study	Vol. LX, No.03, November-2008
	IETECH International Journal of circuit analysis (impact factor=1.293) (h-index=1)	Multi Objective approach for feeder over loading and service restoration through feeder reconfiguration	Vol-01, No.01, Oct 2007
	ICGST, International Journal on Artificial Intelligence and Machine Learning (impact factor=1.454) (h-index=3)	Application of ANN and DSM Techniques for peak load Management, a case study	ISBN 978-1-4244-2133-6 May 2008
	NANUN journal (impact factor=0.489) (h-index=1)	DSM Techniques and Fuzzy logic application to Air Conditioner, a case study	Nov-2008
	Journal of Electrical engineering, I-Manager Journal (impact factor=4.099) (h-index=1)	Genetic Algorithm for loss minimization in Electrical Distribution Network through Reconfiguration	Vol.02, No.04, June 2009

Name of the author	Journal	Paper title	Volume, Year
Dr.P.Ravi Babu	I-Manager Journal (impact factor=4.099) (h-index=2)	Multi Agent System Approach for Shipboard Power System Reconfiguration	Vol.02, No.04, June 2009
	International Scientific Journal, Italy (impact factor=1.808) (h-index=3)	Mathematical modeling and DSM techniques applied to a processes Industry	Vol. LXIV, No. 06, August 2010
	International Scientific Journal, Italy, (impact factor=1.808) (h-index=3)	Implementation of genetic algorithm for optimal feeder reconfiguration for load balancing	Vol. LXV, No. 2, June 2010
	International Journal of Electrical, Electronics and Computing Technology (IJEECT) (impact factor=1.658) (h-index=2)	Fuzzy controlled Water Heater through DSM, a conservative approach	Vol.1 (2), January-April 2011
	Abstracts Journal (impact factor=0.124) (h-index=2)	Heuristic search technique for multi-objective problems in electrical distribution system	Electrical Systems and their Automation, No. 01, 2011
	I-Manager Journal (impact factor=4.099) (h-index=2)	Implementation of Genetic Algorithm for Optimal Multistage Electrical Distribution System Planning	Vol. 51 No. 21, October - December 2011
	I-Manager Journal (impact factor=4.099) (h-index=2)	HVDS approach for reducing the Technical and Non-technical losses to enhance the Electrical Distribution System performance	Vol. 71 No. 23, October - December 2012
	IETECH International Journal of Circuit (impact factor=1.293) (h-index=3)	Application of Demand Side Management and Renewable Energy devises for peak load management, a case study	Vol-20 No.03 AUG-2009

Name of the author	Journal	Paper title	Volume, Year
Dr.K.Srinivasan	Journal of Power Electronics (impact factor=6.23) (h-index=2)	Performance Analysis of a Reduced Switch Z-Source Inverter fed IM Drives	Vol. 12, No. 2, May/June 2010
	IJAEST (impact factor=1.844) (h-index=3)	Performance Analysis of a Reduced Switch Z-Source Inverter fed IM Drives	Vol.6, no.1 April 2010
	International Journal of Engineering Research & Technology (impact factor=1.76) (h-index=2)	Analysis on Photovoltaic Based Cost Effective Four Switch Three Phase Inverter Driven Water Pumping System	Vol. 2, Issue 11, November – 2013
	International Journal of Computer and Electrical Engineering (impact factor=1.0425) (h-index=7)	Performance Analysis of a Reduced Switch Z Source Inverter fed IM Drives	Vol. 2, Number 2 April 2010.
	International Journal of Electrical Engineering (impact factor=0.970) (h-index=1)	Comparison of Traditional PWM Inverter and a Component Minimized Z-Source Inverter for AC Drives	Article 9.4.3
	National Journals of Technology (impact factor=1.738) (h-index=1)	Comparison of Component Minimized Z –Source Inverter and Six Switch Z-Source Inverter for Motor Drives	Vol.5, No .4 Dec 2009
	International Engineering and Technology (impact factor=1.76) (h-index=2)	Common-Mode Voltage Reduction in a Z-Source Four Switch Three Phase Induction Motor Drive System	Vol.3, issue 2, Oct 2009
	ICTES (impact factor=3.81) (h-index=2)	Digital simulation of low cost fuzzy logic based four-switch three-phase (PWM) inverter fed induction motor drive	pp.384-388 2007
P.Chandra	International Journal for Emergency Trends and Engineering Technology (impact factor=Nil) (h-index=Nil)	Power consumption in the stand by state of a microwave oven	Vol.4,No. 3 page no.245

Name of the author	Journal	Paper title	Volume, Year
D.Jagadee swari	Image Processing and Networking (impact factor=Nil) (h-index=Nil)	Finger spelling sign language recognition system	Vol.8,No. 3 page no.57, Feb 2014
M.Mutha mizhselvi	International Journal of Computer Applications (impact factor=Nil) (h-index=Nil)	Design and implementation of CAN bus for distributed injection moulding machine based on ARM controller	Vol.6,IS BN 0975-8887
U.Ramya	Procedia Engineering (impact factor=Nil) (h-index=Nil)	Development of superconducting level sensor for liquid helium level measurements	Page 138-144,2012
U.Ramya	Image Processing and Networking (impact factor=Nil) (h-index=Nil)	An intelligent remote control system with robots for agriculture process by using fuzzy controller and virtual instrumentation	Vol.2,No. 4, Feb 2014
U.Ramya	International Journal of Emerging Technology and Advanced Engineering (impact factor=Nil) (h-index=Nil)	Optimal changing system in solar powered robotic vehicle using smart host microcontroller	Vol.4,No. 3, Feb 2014
A.Nagarajan	Journal of Asian Scientific Research (impact factor=3) (h-index=3)	Design of switched reluctance motor for elevator application	Vol.3, Page 258-267,2013
S.Jayanthi	International Journal of Emerging Technology and Advanced Engineering (Impact Factor = 1.932) (h-index=Nil)	Lookup Table Optimization in Circulating Fluidized Bed Combustion Boiler	Volume 4, Special Issue 3, February 2014)

Number of papers published in peer reviewed journals (national / international) by faculty and students: 10

- Monographs-NIL
- Chapter(s) in Books-NIL
- Books Edited- 5
- Books with ISBN / ISSN numbers with details of publishers-05
- Citation Index -2.862

- SNIP-5.145
- SJR-2.547
- Impact factor - Details of impact factor of the respective journals are mentioned
- h-index –Details of h-index of the respective journals are mentioned

20. Areas of consultancy and income generated :

S.No.	Project Name	Dept	Customer	Project Value Rs.
1.	Design of New Driver Safety Awareness and Assistance System for Cognitive Vehicle Control	R&D	VEE Technologies, Solutions Pvt.,Ltd., Chennai	48,890
2.	Micro power DC/DC Converter with Independent Low-Battery Detector, Synchronous Boost Converter	R&D	AMS Battery Industries, Salem	35,000
3.	FPGA based SVPWM technique for two level VSI controlled Induction Drives	R&D	VI Microsystems Pvt., Ltd., Chennai	65,000
4.	Vienna rectifier and fly back converter for induction motor	R&D	ForeView Technologies, Pvt.Ltd., Chennai	40,000
5.	Priority scheduler for real time power allocation in home energy management system.	R&D	Elite Power Systems India Private Limited, Chennai	42,300
6.	Wiring layout and cost estimation	EEE	Dhanalakshmi Srinivasan Hotel, Perambalur	Free of cost
7.	Wiring layout and cost estimation of electrical machines lab	EEE	Dhanalakshmi Srinivasan College of Engineering, Perambalur	Free of cost
8.	Wireless control of three phase induction motor	EEE	Dhanalakshmi Srinivasan sugars Pvt., Ltd., Perambalur	Free of cost

21. Faculty as members in a) National Committees b) International Committees c) Editorial boards, etc., :

S.No.	Name of faculty	Chapter
1.	Dr.P.Ravi babu	IEEE,ISTE
2.	Dr.K.Srinivasan	IEEE,ISTE
3.	Mr.S.Gobimohan	ISTE, IAENG,IETE
4.	Mr.J.Nagendran	ISTE, IAENG,IETE
5.	Ms.D.Jagadeeswari	ISTE, IAENG,IETE
6.	Mr.M.Asaithambi	ISTE, IAENG,IETE
7.	Ms.S.Jayanthi	ISTE, IAENG
8.	Mr.A.Nagarajan	IAENG,IETE,IAEME
9.	Mrs.N.Kalaivani	IAENG,IETE,IAEME
10.	Ms.N.Saranya	IAENG,IETE,IAEME
11.	Mr.C.Paramasivan@ vignesh	IAENG,IETE,IAEME
12.	Ms.P.Jayanthi	IAENG,IETE,IAEME
13.	Ms.S.Salomimary Magdalene	IAENG,IETE,IAEME
14.	Mr.S.Srinivasan	IAENG,IETE,IAEME
15.	Ms.M.Muthamizhselvi	IAENG,IETE,IAEME
16.	Ms.K.Keerthana	IAENG,IETE,IAEME
17.	Mrs.K.J.Madhuselvi	IAENG,IETE,IAEME
18.	Mrs.N.Saranya	IAENG,IETE,IAEME
19.	Mrs.G.Premila	IAENG,IETE,IAEME
20.	Mr.G.K.Moorthy	IAENG,IETE,IAEME
21.	Mr.S.Selvakumaran	IAENG,IETE,IAEME
22.	Ms.U.Ramya	IAENG,IETE,IAEME
23.	Mr.K.Gobi	ISTE,IAENG,IETE

*ISTE-Indian Society for Technical Education.

*IAENG-International Association of Engineers.

*IETE-Institution of Electronics and Telecommunication Engineers.

*IAEME-International Association for Engineering and Management Education.

22. Student projects :

- percentage of students doing projects in collaboration with industries / institutes

BE-EEE

S. No.	Year	Internal (academic)	% of students in internal projects	External (industry)	% of students in external Projects
1.	2009-2010	24	25.54	70	74.46
2.	2010-2011	26	40	39	60
3.	2011-2012	29	41.12	41	58.57
4.	2012-2013	61	95.32	3	4.68
5.	2013-2014	58	74.36	20	25.64

ME-PED

S. No.	Year	Internal (academic)	% of students in internal projects	External (industry)	% of students in external Projects
1.	2011-2013	17	100	Nil	0
2.	2012-2014	17	100	Nil	0

ME-ES

S. No.	Year	Internal (academic)	% of students in internal projects	External (industry)	% of students in external Projects
1.	2012-2014	13	100	Nil	0

23. Awards / recognitions received by faculty and students :**Achievement by faculty**

- Six staff members have received “The Best Teaching Staff Awards” during the year 2009-2010 given by Dhanalakshmi Srinivasan Charitable and Educational Trust
- Six staff members have received “The Best Teaching Staff Awards” during the year 2010-2011 given by Dhanalakshmi Srinivasan Charitable and Educational Trust
- Five staff members have received “The Best Teaching Staff Awards” during the year 2011-2012 given by Dhanalakshmi Srinivasan Charitable and Educational Trust
- Nine staff members have received “The Best Teaching Staff Awards” during the year 2012-2013 given by Dhanalakshmi Srinivasan Charitable and Educational Trust
- Seven staff members have received “The Best Teaching Staff Awards” during the year 2013-2014 given by Dhanalakshmi Srinivasan Charitable and Educational Trust

Achievements by Students

S. No	Name of student	Award/ recognition	Year
1	Yamini.R	31 (university rank)	2013
	Arun Kumar.P	34 (university rank)	2013
	Ubaitha.S	39 (university rank)	2013
2	Sujithra.K	36(university rank)	2011

PAPER PRESENTATION				
S.No.	Name of the Student	Name of the Topic / Event	Organized By	Recognition /Awards received
1.	D.Ragul	National Level Technical Symposium	Dhanalakshmi Srinivasan Engineering College	I
2.	M.Stephen Mary	National Level Technical Symposium	Jerusalem Engineering College, Chennai	II
3.	R.Yamini			
4.	N.Subramanian S.Sreekanth	National Level Technical Symposium	Arunai College of Engineering, Tiruvalannamalai	II
5.	D.Ragul	National Level Technical Symposium	Saranathan College of Engineering, Trichy	III
Other Technical Activities				
S.No.	Name of the Student	Name of the Topic / Event	Organized By	Recognition /Awards received
1	R.Sirajudeen	Circuit Debugging	Dhaanish Ahamed College of Engineering, Chennai	I
2	S.Anand, G.Aravinthan	Multimedia Presentation	Adhiyamaan College of Engineering, Hosur	I (ISTE)

24. List of eminent academicians and scientists / Visitors to the department :

S.No.	Year	Name of the Visiting Faculty	Organization
1	2009-2010	Dr.R.Arumugam	Professor, SSN College of Engineering, Chennai
		Dr.K.Vijayarekha	Professor, Sastra University, Thanjavur
		Dr.J.Arutchelvi	Professor, Saranathan of College Engineering, Trichy

S.No.	Year	Name of the Visiting Faculty	Organization
	2009-2010	Dr.Nithya venkatesan	Professor, SRM University, Chennai
		Dr.V.Dharmalingam	Professor, Sastra University, Thanjavur,
		Dr.V.Saravanan,	Assistant Professor, Thiayagarajar College of Engineering, Madurai
		Dr.C.Christopher asirrajan	Assistant Professor/Pondicherry Engineering College, Pondy
		Dr.V.Saravanan,	Assistant Professor, Thiayagarajar College of Engineering, Madurai
		Mr.S.Balasubramanian	DEE/ Indian Railway, Chennai
		Mr.B.Selvakumar	Lecturer, Scad College of Engineering and Technology, Tirunelveli
		Mrs.S.Chitraselvi	Assistant Professor, Anna University, Trichy
		Mr.Dr.V.Kirubakaran Mr.D.Kalyan Kumar	Assistant Professor, Rural Energy Centre, Saranathan College of Engineering, Trichy
		Mr.D.Kalyan kumar	Assistant Professor, Saranathan College of Engineering, Trichy
2	2010-2011	Dr.B.Karthikeyan	Professor, BITS PILANI,Dubai
		Dr.M.A.Khan	Professor, JMI, Central University, NewDelhi
		Dr.V.Sanakara Narayanan	Assistant Professor, National Institute of Technology, Trichy
		Dr.R.S.D.Wahidabanu	Professor, Government College of Engineering, Salem
		Dr.N.Sivakumaran	Assistant professor, National Institute of Technology, Trichy
		Dr.G.Saravana Kumar,	Dean, Tamilnadu College of Engineering , Coimbatore
		Mr.D.Shanmugam	Associate Professor, Saranathan College of Engineering, Trichy
		Mr.S.Balasubramanian	DEE/ Indian Railway, Chennai
		Mr.T.R.SivaRama Krishnan	Dean, Sastra University, Thanjavur

S.No.	Year	Name of the Visiting Faculty	Organization
	2010-2011	Mrs.K.Dhayalini	Professor, J.J. College of Engineering and Technology, Trichy
		Mrs.S.Chitraselvi	Assistant Professor, Anna University, Trichy
		Mr.P.Rajaraman	Trainer, St.John Ambulance, Salem
3	2011-2012	Dr.K.Srinivasan	Associate Professor, National Institute of Technology, Trichy
		Dr.N.Sivakumaran	Associate Professor, National Institute of Technology, Trichy
		Mr.Ma.Ashok	Managing Director, EM Telecom Pvt. Ltd, Coimbatore
		Mr.C.Krishnakumar	State Level Trainer, Vishwam Institute of Fire And Safety, Trichy
		Mr.K.Jayapal	
		Mr.S.Balasubramanian	DEE/ Indian Railway, Chennai
4	2012-2013	Mrs.K.Dhayalini	Professor, J.J. College of Engineering and Technology, Trichy
		Dr.M.P.Selvan	Assistant Professor, National Institute Technology, Trichy
		Dr.P.RameshBabu	Associate Professor, Pondicherry Engineering College, Pondicherry
		Dr. N. Stalin	Associate Professor, Anna University Trichy
		Dr.K. VijayaRekha	Professor, Sastra University
		Mr.Y.MohammadBatcha	Assistant Professor, J.J. College of Engineering and Technology, Trichy
4	2012-2013	Mr.C.Madivanan	DRDO/CVRDE, Chennai
		Mr.B.Selvakumar,	Lecturer, Scad College of Engineering and Technology, Tirunelveli
		Mrs.K.Dhayalini	Professor, J.J. College of Engineering and Technology, Trichy
		Mr.D.Thiruselvan	Associate Professor J.J. College of Engineering and Technology, Trichy

S.No.	Year	Name of the Visiting Faculty	Organization
	2012-2013	Mr.R.Rajesh	Associate Professor, Srinivasan Engineering College, Perambalur
		Mr.S.Balasubramanian	DEE/ Indian Railway, Chennai
5	2013-2014	Dr.Akthar kalam	Professor and Head, Victoria University, Melbourne
		Dr. N. Stalin	Associate Professor, Anna University Trichy
		Dr.P.RameshBabu	Associate Professor, Pondicherry Engineering College, Pondicherry
		Dr.K.Srinivasan	Assistant Professor National Institute Technology, Trichy
		Mr.C.Madivanan	DRDO/CVRDE, Chennai
		Mr.S.Balasubramanian	DEE/ Indian Railway, Chennai
		Mrs.K.Dhayalini	Professor, J.J. College of Engineering and Technology, Trichy
		Mr.Y.MohammadBatcha	Assistant Professor, J.J. College of Engineering and Technology, Trichy
		Mr.K.Anbarasan	National Institute Technology, Trichy
		Mr.M.Ravichandran	Assistant Professor, Selvam College of Technology, Namakkal
		Mr.N.Vengadachalam	Assistant Professor, TRP Engineering College, Trichy
		Mrs.P.Revathi	Assistant Professor, MAM College of Engineering And Technology, Trichy
		Mr.Muruganantham.R	Assistant Professor, Kings College of Engineering, Pudukottai

25. Seminars/ Conferences/Workshops organized and the source of funding (national / international):

S. No.	Year	Seminars	Conferences		Workshops	
			National	Inter national	National	Internat ional
1	2013-2014	2	1	-	-	1
S. No.	Year	Seminars	Conferences		Workshops	
			National	Inter national	National	Internat ional
3	2011-2012	1	1	-	2	-
4	2010-2011	2	1	1	2	1
5	2009-2010	1	1	-	1	-

Year	Name of the Programme	Name of the Funding Agencies	Amount Sanctioned in Rs.	Number of Particip ants
2010-2011	National Conference on Emerging investigations in Electrical Engineering-EIEE'11	Management	25000	82
	One Day Technical Workshop on Remote Sensing of Atmosphere	Management	8500	65
	One Day Technical Seminar on Load Flow and Stability Analysis	Management	7700	70
	Daselsy-4G-One Day National Level Technical Symposium	Management	71,222	175
	One Day National Level Workshop on Fire and Safety	Management	15100	200
	SDP-Design and erection of substations using modern simulation tools	AICTE	1,00,000	20
2011-2012	One Day National Seminar Neural Net'12	Management	13850	70
	Daselsy-5G- One Day National Level Technical Symposium	Management	32500	175
	One Day National Conference on Emerging Investigations in Electrical Engineering	Management	32,800	165
	National Franchisee Training Program (Ministry of Power, TANGEDCO, Madurai)	Management	8000.00	140

Acad emic Year	Name of the Programme	Name of the Funding Agencies	Amount Sanctioned in Rs.	Number of Particip ants
2012- 2013	One Day National Level Workshop on Digital Signal Processing	Management	10000	150
	One Day National Conference on Emerging Investigations in Electrical Engineering	Management	28853	150
	Daselsy'6G-One Day National Level Technical Symposium	Management	36146	250
	One Day National Level Workshop on Fire and Safety	Management	15,100	300
2013- 2014	One Day international workshop on emerging trends in powersystem protection and energy management	Management	33945	214
	One Day National Conference on Emerging Investigations in Electrical Engineering	Management	25000	150
	One Day National Level technical seminar on DSP	Management	10000	250
	One Day National Level technical seminar on electric traction	Management	7000	78
	Daselsy'7G-One Day National Level Technical Symposium	Management	42400	250

26. Student profile programme / course-wise:

Name of the Course/programme		Applications received	selected	Enrolled		Pass percentage
				M	F	
UG-EEE	2005- 2009	118	107	101	6	64.48
	2006- 2010	103	94	90	4	71.27
	2007- 2011	72	65	54	11	84.61

Name of the Course / programme		Applications received	selected	Enrolled		Pass percentage	
				M	F		
UG-EEE	2008-2012	77	70	57	13	71.42	
	2009-2013	76	69	54	15	75	
PG	PED	2011-2013	-	17	11	06	94.11
	PED	2012-2014	-	17	11	06	-
	PED	2013-2015	-	14	4	10	-
	ES	2012-2014	-	13	4	9	-
	EST	2013-2015	-	17	13	4	-

27. Diversity of students :

Name of the course			% of student from same state	% of student from other state	% of student from abroad
UG-EEE		2005-2009	92.52	7.48	Nil
		2006-2010	91.48	8.52	Nil
		2007-2011	69.24	30.76	Nil
		2008-2012	88.58	11.42	Nil
		2009-2013	86.16	13.84	Nil
PG	PED	2011-2013	64.70	35.29	Nil
	PED	2012-2014	82.35	11.65	Nil
	PED	2013-2015	92.85	7.15	Nil
	ES	2012-2014	100	Nil	Nil
	EST	2013-2015	88.25	11.75	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Branch/Year	TANCET	GATE
UG/BE(EEE)		
2008-2012	05	1
2009-2013	05	1
Total	10	2

29. Student progression :

Student progression	Against % enrolled				
	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
UG to PG	2.8	13.82	14.30	17.14	18.69
PG to M.Phil.	-	-	-	-	-
PG to Ph.D.	0.104	0.64	0.7	-	-
Ph.D. to Post-Doctoral	-	-	-	-	-
Employed					
• Campus selection	32.83	43.63	48	58.33	75
• Other than campus recruitment	26.86	34.54	28	-	-
Entrepreneurship/Self-employment	1	0	1	1	-

30. Details of Infrastructural facilities :

(a) Library

The central library has 2867 volumes, 849 titles, 8 national journals and e-journal. Adequate number of text books and reference books are available in the department library for the use of faculty and students. Number of books available in the department library-594.

(b) Internet facilities for Staff & Students

Staff & Students: Internet Facility Available

In power system simulation laboratory each computer has facility to access USB drive and Internet.

Internet speed: 16 Mbps.

(c) Class rooms with ICT facility

Class rooms in the department

- The department is having nine well equipped lecture halls.
- All class rooms are well ventilated and illuminated.

- Teaching aids like charts, over head projector in addition to the green board are made available in every class rooms.
- The tutorial class room is exclusively meant for tutorial class for academically weak students.
- Total number of over head projector: 02
- Number of LCD projector: 01
- Class room area (Sqm) – 97.92.

(d) Laboratories**Laboratories in the department**

S.No.	Name of the laboratory	Area (Sqm)	Equipment
1	Electrical Machines Lab	346.20	AC and DC Machines
2	Power Electronics Laboratory	104.55	Control circuit and power circuit module for converter and inverter
3	Power System Simulation Laboratory	101.45	44 Computer with software installation

31. Number of students receiving financial assistance from college, university, government or other agencies :

Name of the Course	Academic Year		No.of Students (SC/ST)	No.of Students (BC/MBC)	Other Agencies
UG (BE-EEE)	2013-2014	II YEAR	12	42	-
		III YEAR	15	37	-
		IV YEAR	8	12	-
PG (ME-PED)	2013-2014	I YEAR	-	-	-
		II YEAR	1	-	-
PG (ME-EST)	2013-2014	I YEAR	2	-	-
		II YEAR	2	-	-

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts :

Year	Name of the Event	Resource Persons
2009-2010	Guest Lecture on “ Flip Flops and Counters”	Dr.Nithya Venkatesan SRM University, Chennai
	National Level Conference on “Emerging Investigations in Electrical Engineering”	S.Chitraselvi,,Assistant Professor Anna University, Trichy Dr.R.Arumugam,Professor, SSN College of Engineering. Dr.K.Vijayarekha,Professor, Sastra University

Year	Name of the Event	Resource Persons
2009-2010	National Level Seminar on “Energy Auditing and Energy Management”	Dr. V.Kirubakaran Assistant Professor Rural Energy Centre. Mr.D.Kalyan Kumar, Assistant Professor, Saranathan College of Engineering, Trichy
	National Level Technical Symposium on “Daselsy ‘4G”	Dr.J.Arutchelvi, Professor, Saranathan College of Engineering, Trichy
	National Level Workshop on “Emerging Trends in Power System Engineering”.	Dr. V.Dharmalingam, Professor, Sastra University Dr. V.Saravanan, Assistant Professor, Thiyagarajar College of Engineering, Madurai
	Guest Lecture on “Special Electrical Machines”	Mr.B.Selvakumar/Lecturer, Scad College of Engineering And Technology, Tirunelveli
	New Technology Implemented in Electrical Engineering	Dr.C.Christopher Asirrajan, Assistant Professor, Pondicherry Engineering College, Pondicherry
	Guest Lecture on “Electric Traction”	Mr.S.Balasubramanian, DEE/ Indian Railway, Chennai
	Three Day Workshop on “National Franchisee Training Program”	Mr.A.Sahayaraj, Mr.H.K.Kailasaraman, Training, TNEB, Madurai
2010-2011	National Level Conference “Emerging Investigations in Electrical Engineering”	Dr.M.A.Khan, Jamia Millia Islamia, Central University, New Delhi
	Special Lecture on “Non Linear Control Systems”	Dr. V.Sanakara Narayanan, National Institute of Technology, Trichy
	Seminar on “Remote Sensing of Atmosphere”	Dr.Sivaramakrishnan, Dean Sastra University

Year	Name of the Event	Resource Persons
2010-2011	International conference	Dr.R.S.D.Wahidabanu, Professor, Government College of Engineering, Salem
		Dr.N.Sivakumaran, National Institute of Technology, Trichy
	Seminar on "Load Flow and Stability Analysis "	Prof.K.Dhayalini, Professor, J.J.College of Engineering and Technology, Trichy
	Special Lecture on "Special Electrical Machines"	Mr.D.Shanmugam , Associate Professor, Saranathan College of Engineering, Trichy
	Special Lecture on "Recent Trends in Electrical and Electronics Engineering"	Dr.G.Saravana Kumar, Tamilnadu College of Engineering, Coimbatore
	Association Inauguration	Dr.B.Karthikeyan, BITS PILANI, Dubai
	National Level Technical Symposium on Daselsy '5G	Dr.V.Sankaranarayanan National Institute of Technology, Trichy
	One Day Workshop on "Fire and Safety"	Mr.P.Rajaraman, Trainer St.John Ambulance , Salem
	Guest Lecture on "Electric Traction"	Mr.S.Balasubramanian DEE/ Indian Railway, Chennai
2011-2012	National Seminar on "Neural Net ' 12"	Dr. K.Srinivasan, Associate professor, National Institute of Technology, Trichy
	One Day National Level Technical Symposium Daselsy-6G	Dr.N.Stalin, Assistant Professor, Anna University Trichy
	National Conference on "Emerging Investigations in Electrical Engineering"	Dr.N.Sivakumaran, National Institute of Technology, Trichy

Year	Name of the Event	Resource Persons
2011-2012	Guest Lecture on “Recent Trends in Electric Traction”	Mr.S.Balasubramanian DEE /Indian Railway, Chennai
	Association Inauguration	Mr.Ashok, Managing Director, EM Telecom pvt. Ltd, Coimbatore
	Three Day Workshop on “National Franchisee Training Program”	Mr.D.G.Fedrick,Er.S.Sambath, Er.S.Anbalagan, Mr.R.Manian, Mr.V.Ramani, Mr.V.Annadurai TANGEDCO and TNEB, Madurai
2012-2013	One Day National Level Seminar on “DSP and its Applications”	Dr.R.Ramesh Babu, Associate Professor, Pondicherry Engineering College
	Guest Lecture on “Renewable Energy Sources”	Dr. N. Stalin Associate Professor, Anna University, Trichy
	National Level Technical Symposium on Daselsy ‘6G	Dr.K.Vijayarekha, Professor, Sastra University
	One Day National Level Conference	Dr.M.P.Selvan, Professor, National Institute of Technology, Trichy
	Association Inauguration	Dr.N.Sivakumaran, Associate Professor, National Institute of Technology, Trichy.
2012-2013	Special Lecture on “Recent Trends in Electric Drives and Control”	Mr.C.Madivanan DRDO/CVRDE, Chennai
	Special Lecture on “Recent Trends in Electric Drives and Control”	Mr.C.Madivanan DRDO/CVRDE, Chennai
	Special Lecture on “High Voltage Engineering”	Mr.Y.Mohammad batcha Assistant Professor, J.J.College of Engineering and Technology, Trichy
	Special Lecture on “Object Oriented Programming”	Mr.D.Thiruselvan, Assistant Professor, J.J.College of Engineering and Technology, Trichy
	Special Lecture on “Recent Trends in Electric Traction”	Mr.S.Balasubramanian DEE/ Indian Railway

Year	Name of the Event	Resource Persons
	Special Lecture on “Data Structure”	Mr.D.Thiruselvan, Assistant Professor, J.J.College of Engineering and Technology, Trichy
	Special Lecture on “Special Electrical Machines”	Mrs.K.Dhayalini, Professor, J.J.College of Engineering and Technology, Trichy
	One Day Workshop on “Fire and Safety”	Mr. K.Jayapal State Level Trainer Vishwam Institute Of Fire And Safety, Trichy
	Special Lecture on “High Voltage Engineering”	Mr.R.Rajesh, Associate Professor, Srinivasan Engineering College
	One Day National Level Workshop on “Hands on Training” in Matlab	Mr.M.Malaiyappan, Mr.M.K.Jeevarajan, Pantech Solutions , Chennai
	One Day National Conference” Emerging Investigations in Electrical Engineering”	Dr.P.Selvan, Assistant Professor, National Institute of Technology, Trichy
	Guest lecture on “Special Electrical Machines”	Mr.B.Selvakumar, Assistant Professor, VV college of engineering, Tisayanvilai
2013-2014	International Workshop on “Emerging Trends in Power System Protection and Energy Management”	Dr.Akthar Kalam Victoria University, Melbourne. Dr.N.Stalin, Anna University Trichy
	National Level Technical Symposium “Daselsy ‘7G”	Dr.K.Srinivasan, Assistant Professor , National Institute of Technology, Trichy
	One Day National level Seminar on “DSP and its Applications”	Dr.P.Rameshbabu, Professor, Pondicherry Engineering College.
	National Conference on “Emerging Investigations In Electrical Engineering”	Dr.K.Kanagasabapathy, General Manager, Electrical and Automation FLsmidth-Chennai
	Special Lecture on “Electric Traction”	Mr.S.Balasubramanian DEE/ Indian Railway, Chennai

Year	Name of the Event	Resource Persons
2013-2014	Guest Lecture on “Control Systems”	Mr.K.Anbarasan National Institute of Technology, Trichy
	Guest Lecture on “Computer Networks”	Mr.Muruganantham.R King Engineering College, Namakkal
	Guest Lecture on “Electrical Machines”	Mr.C.Madivanan DRDO/CVRDE, Chennai
	Guest Lecture on “Power System Analysis”	Prof. K.Dhayalini J.J.College of Engineering and Technology, Trichy
	Guest Lecture on “High Voltage Engineering”	Mr.Y.Mohammadbatcha Assistant Professor, J.J.College of Engineering and Technology, Trichy
	Guest Lecture on “Electrical Drives and Control”	Mr.C.Madivanan DRDO/CVRDE, Chennai
	Guest Lecture on “Power System Operation and Control”	Mrs.P.Revathi, Assistant Professor, M.A.M College of Engineering And Technology
	Guest Lecture on “Electrical Machines”	Mr.N.Vengadachalam, Assistant Professor, TRP Engineering College
	Guest Lecture on “Electromagnetic Theory”	Mr.M.Ravichandran, Assistant Professor, Selvam College of Technology

Skill development courses are conducted in department:

S. No.	Course	Semester	Duration	Resource persons
1.	Automation and Advanced Programming in PLC and SCADA	Odd	3 months	Mr. M.K. Jeevarajan Mr.M.Malayappan Mr.J.Gokul Kumar
2.	Design of Power Electronic Converters using MATLAB	Even	3 months	Mr. R.S Vivek Mr. J. Jaiganesh Mr. S.Varadharajan

33. Teaching methods adopted to improve student learning TEACHING –LEARNING ENVIRONMENT:

The students of the department are offered a structured learning path starting from the very first year through the final year. Sophisticated teaching aids like LCD projectors, overhead projectors and charts are used in the

process of teaching. Students are made to carry out experiments in well-equipped laboratories. Subject experts expose the students to modern technologies and practices of Electrical Engineering.

- ❖ Course plans are prepared along with course file for each subject of the programme. Manuals are updated whenever the curriculum is modified or when new equipment is purchased.
- ❖ Question bank is provided to the students at the commencement of the classes, to enable the students to grasp the fundamental concepts of the topic.
- ❖ Educational tours are arranged to get the students exposed to the latest trends and grasp important practices prevalent in the industry.
- ❖ Special lectures by senior faculty as well as expert lectures and workshops are organized for the students to help them gain an insight on the advanced Technology beyond the curriculum and also to provide inputs about the practices followed in the industry.
- ❖ Faculty members of the department have been trained at regular intervals for classroom management establishing a good rapport with the students in the class. Progress of course delivery is regularly monitored through academic audit.
- ❖ Students are exposed to advanced learning levels through e-learning resources such as NPTEL video programs, expert lectures and extension lectures.
- ❖ Based on the updating of the curriculum teaching mechanism is revised from time to time. The teaching process also includes coordination with various co-curricular and advanced learning techniques.
- ❖ Faculty interaction with students is made possible through institute's web by incorporating academic material, handouts and other material not available in regular curriculum, schedules following course plan and lesson plan of concerned faculty member.
- ❖ Models and charts are extensively used wherever necessary for better understanding of the subject.
- ❖ PPT's with LCD to show animation and video lectures of a few topics to make the students understand the concept more clearly & easily.
- ❖ Arranging visits to various places depending on the topic (e.g., Generating station, sub-stations, switchyards, distribution station, Core industry etc)
- ❖ Making the students understand by simulating the systems using P- SPICE, XILINX, MATLAB software's.
- ❖ Lecture notes, PPT'S & Web Material through Automation software are provided to the students.
- ❖ OHP/LCD Projectors.
- ❖ Video Lectures.
- ❖ Multimedia presentations.

- ❖ PowerPoint presentations.
- ❖ E-Learning tools.
- ❖ Workshops, Skill development programmes, Technical symposiums, Technical seminars, Quiz contests.
- ❖ Assignment on recent trends.
- ❖ Laboratory oriented courses.
- ❖ Guest lectures.
- ❖ Mini projects.
- ❖ Provision to participate in technical conferences and symposiums at various colleges.
- ❖ Black Board Teaching.
- ❖ Activity Based teaching.
- ❖ Group Discussions.
- ❖ Referring Internet for Demonstration.
- ❖ Analogy based teaching.

34. Participation in Institutional social responsibility(ISR) and Extension activities :

- ❖ First Aid Awareness programme.
- ❖ Fire and Safety Awareness program.
- ❖ Rally for Rain water harvesting conducted by EEE students of the college.
- ❖ Energy auditing and management.
- ❖ Safety precautions against electrical hazards.
- ❖ Global warming.
- ❖ Energy conservation and utilization.
- ❖ Importance of Renewable energy sources.
- ❖ National Voter's Day conducted by NCC students of the college.
- ❖ NSS Camp for cleaning program at nearby villages

35. SWOC analysis of the department and future plans :

Strengths:

- ❖ Well qualified and highly motivated faculty. High quality academic programme at the undergraduate and post graduate level, while the undergraduate program is accredited by NBA.
- ❖ A wide range of graduate assistantships are available to support graduate students.
- ❖ The department has very active and very supportive alumni. A strong focus on quality teaching with faculty is followed.
- ❖ Excellent placement record of graduates and many rank holders in university exams.
- ❖ Dynamic faculty with excellent academic background. Well-equipped laboratory, library and internet Facilities are available.

- ❖ Funded Projects from various funding Agencies have been done. Faculty Published research articles in refereed journals and Conferences at national and international levels.
- ❖ Seminars/Workshops/Conferences are organized regularly every year by receiving grants from various funding agencies and management.
- ❖ Maintaining and upgrading all facilities and State of the art laboratory facilities are available.
- ❖ Adequate faculty strength. Medical facilities available inside the campus. Effective counseling and guidance to the students.
- ❖ More number of licensed softwares. High speed internet connectivity.
- ❖ Support staff encouraged for upgradation of their skills. More number of students are members of professional societies.
- ❖ Departmental library contain a variety of books.
- ❖ Power backup systems available. Wide and spacious classrooms with better ventilation. Updated curriculum. Accredited Programmes.
- ❖ Well equipped digital library. Peaceful green environment. Support to get various scholarships for students.
- ❖ Play grounds for football, tennis and basketball.
- ❖ Placement support for all the students with training. Wi-Fi enabled campus.
- ❖ Students acquire industrial knowledge by adequate visits of eminent industrial persons.

Weaknesses:

- ❖ Objective of the department is to give higher education to rural area students, lacking communication skills in English. Some programs need revision to keep up with changes in the field and to improve course sequencing to help student progression.
- ❖ The tendency of research scholars to prefer computer-based research over experimental research due to inadequate funds.
- ❖ Consultancy work and industry interactions need to be improved.

Opportunities:

- ❖ Engineering education at affordable cost. Leader in providing quality Engineering education clubbed with placements. Industry oriented training. Scope for more student placements.
- ❖ Becoming a leader in interdisciplinary and integrated learning. An opportunity to interact with eminent personalities.
- ❖ Most real-life problems require contributions from Engineers. Faculty development opportunities.
- ❖ Increasing the student intake. Improving teaching –learning infrastructure.
- ❖ Motivating Entrepreneurship activities. Mobilizing our alumni to support college.
- ❖ Organizing technical events at international level. Improvement in student faculty ratio.

- ❖ Encouraging faculty and students to go for funded projects. Up gradation of the department to a centre of research.
- ❖ Value added course provided. Development of web based online courses.

Challenges:

- ❖ Having to compete with established colleges in the surroundings. Molding industry-research graduates.
- ❖ Quality research. Motivating students to become successful entrepreneurs.
- ❖ Making students to realize their moral responsibilities. Preparing students to gain global competence.
- ❖ Training rural students with poor English knowledge to understand technical papers.
- ❖ Constant changes in technology. Students with various backgrounds (mostly rural areas).
- ❖ Making the students aware of latest technologies in Electrical and Electronics Engineering. IT tools are becoming available for enhanced learning.
- ❖ Improving industry interactions by conducting special lectures and seminars presided by industry people

Future plans of the department.

- ❖ To establish the faculty research publication with real time projects. To improve the placement rate of the students.
- ❖ Modernization and sophistication of department laboratories with latest technological advancements. Improve the Industry- Institute Interaction and to mould the students to the level of industrial expectations.
- ❖ High emphasis on personality development programmes to students along with regular academics Choice based credit systems.
- ❖ All eligible students get their dream jobs. Obtaining research centre status for the department.
- ❖ To encourage faculty and students for publishing their papers in various national and international journals.
- ❖ To provide funds to students for inventing social development projects.
- ❖ To cheer-up students to do higher studies.
- ❖ To enable teachers to gain higher degree like Ph.d.
- ❖ To increase publications particularly monographs and books.

8. DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

1. **Name of the Department :**
ELECTRONICS AND COMMUNICATION ENGINEERING
2. **Year of Establishment :** **UG: 2001** **PG: 2006**
3. **Names of Programmes /courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

Programmes offered
Electronics & Communication Engineering (UG)
Communication Systems (PG)

4. **Names of interdisciplinary courses and the departments / units involved :**

S. No	Courses offered by other Departments	Departments Involved
1.	EC 2303 / Computer Architecture and Organization EC 2202 / Data Structures GE 6151 / Computer Programming	Information Technology
2.	GE 2021 / Environmental Science and Engineering CY 6151 / Engineering Chemistry - I CY 6251 / Engineering Chemistry – II MA 2211 / Transforms and Partial Differential Equation HS 6151 / Technical English – I PY 6151 / Engineering Physics - I MA 6151 / Mathematics - I HS 6251 / Technical English – II PH 6251 / Engineering Physics - II MA 6251 / Mathematics - II MA 2261 / Probability and Random Process	Science and Humanities
3.	CS 1028 / Network Security EC 2352 / Computer Networks	Computer Science and Engineering
4.	EC 2201 / Electrical Engineering EC 2255 / Control Systems EC 2351 / Measurement and Instrumentation EE 6201 / Circuit Theory	Electrical and Electronics Engineering

S. No	Courses offered by other Departments	Departments Involved
5.	GE 6152 / Engineering Graphics	Mechanical Engineering
6.	EC 2021 / Medical Electronics	Biomedical Engineering
7.	MG 1301 / Total Quality Management MG 2351 / Principles of Management	Management Studies
8.	MA7158 / Applied Mathematics for Communication Engineers	Science & Humanities

5. **Annual/Semester/Choice based credit system (programme wise)-**

Name of the Programme	Credit system
Electronics and Communication Engineering (UG)	Choice based credit system
Communication Systems (PG)	Choice based credit system

6. **Participation of the department in the courses offered by other departments:**

S.no	Courses offered to other Department	Departments involved
1.	CS 2202 / Digital Principles and System Design CS 2204 / Analog and Digital Communication CS 2207 / Digital Lab CS 2403 / Digital Signal Processing IT 2202 / Principles of Communication CS 2252 / Microprocessor and Microcontroller CS 2259 / Microprocessor Lab	Information Technology
2.	CS 2202 / Digital Principles and System Design CS 2207 / Digital Lab CS 2252 / Microprocessor and Microcontroller CS 2259 / Microprocessor Lab	Computer science and Engineering
3.	EC 2311 / Communication Engineering	Electrical and Electronics Engineering
4.	ME 2255 / Electronics and Microprocessor	Mechanical Engineering

S.No	Courses offered to other Department	Departments involved
5.	EE 6201 / Circuit Theory	Biomedical Engineering
6.	CP7004 / Image Processing and Analysis	Computer Science Engineering and Information Technology

7. Courses in collaboration with other universities, industries, foreign institutions,etc.

S.No.	Course name	Participating institution /industry
1.	Placement Training	Smart Learning Academy, No: 60-C1, Collector Sivakumar Street, Saibabab colony, Coimbatore-641038.
		Key Minds Academy, 1/5,Sivaganga Salai (off sterling road), Nungambakkam, Chennai-600034.
2.	Embedded, VLSI Training	UTL technologies & ILFS, 19/6, Ashokpuram School Road, Industrial Suburb , Yeshwantpur, Bangalore – 560 022.
3.	Embedded Systems Training	TECH labs, Mamanji centre , S-7 , Third Floor, Thiru-vi-ka Industrial Estate, Guindy, Chennai-600 032.
4.	MAT lab & Network Simulator 2 Training Course	SAT Infosys 70, second floor, AMD complex, 4 th street, gandhipuram, Coimbatore- 641 012.

S.No.	Course name	Participating institution /industry
5.	Project Training	ACME Systems, 31/2 Prem towers, near Anna statue, Mela Chinthamani Trichy – 620 002
		Green Soft Technologies, No:29, 1 st Floor, 8 th Cross East, Thillai Nagar, Trichy-620018

8. **Details of courses/ programmes discontinued (if any) with reasons:** Nil

9. **Number of teaching posts**

Posts	Sanctioned	Filled
Professor	5	5
Associate Professors	9	9
Asst. Professors	24	24

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc/D.Litt./Ph.D./M.Phil. etc.,)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. A.V. Prathap Kumar	Ph.D	Professor	E&I	22 Years, 3 Months	NIL
Dr. K.V.S.S.S.S. Sairam	Ph.D	Professor	OC	16 years	NIL
Dr.V. Thirumurthulu	Ph.D	Professor	ECE	10 Years, 7 Months	NIL
Mr.K. Yoganand	M.E.	Professor	CS	10 Years, 7 Months	NIL
Mr.G. Nagarajan	M.TECH	Professor	AE	10 Years	NIL
Mr.N. Ramkumar	M.E., (Ph.D)	Asso. Professor	ECE	9 Years, 8 Months	NIL

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mr. Mohamed Wasim Mannan	M.E.	Asso. Professor	CS	7 Years 9 Months	NIL
Mr.R. Ilayaraja	M.E.	Asso. Professor	CS	7 Years, 8 Months	NIL
Mrs.P.Rajeswari	M.E., (Ph.D)	Asso. Professor	CC	6 Years, 6 Months	NIL
Mr.K.S. Sujendran	M.E.	Asso. Professor	CS	6 years	NIL
Mrs.S. Sathya	M.E.	Asso. Professor	AE	5 Years, 4 Months	NIL
Mrs.M.Parameswari	M.E., (Ph.D)	Asso. Professor	ECE	5 Years,	NIL
Mrs.P. Arivazhagi	M.E., (Ph.D)	Asso. Professor	CS	5 years	NIL
Ms.D. Sathyakala	M.E.	Asso. Professor	VLSI	5 Years	NIL
Mr.T.A. Ananth	M.E., (Ph.D)	Asst. Professor	ES	3 Years, 8 Months	NIL
Mrs.S.S. Sathya	M.E.	Asst. Professor	CS	2 Years , 6 Months	NIL
Mr.S. Sathyamoorthy	M.Tech.	Asst. Professor	VLSI	2 Years, 8 Months	NIL
Mr.A. Yogeshwaran	M.E.	Asst. Professor	CS	2 Years, 8 Months	NIL
Mr.N. Karthikeyan	M.E.	Asst. Professor	ES	2 Years, 6 Months	NIL
Mrs.M.Dhayalini	M.E.	Asst. Professor	CS	2 Years, 9 Months	NIL
Ms.S.Nithya	M.E.	Asst. Professor	CS	2 Years, 1 Months	NIL
Mrs.S.Kalpana	M.E.	Asst. Professor	CS	3 Years, 3Months	NIL
Mr.V.Vijayakumar	M.E.	Asst. Professor	CS	2 Years, 11 Months	NIL

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Mr.N.Kannan	M.E.	Asst. Professor	CS	8 Months	NIL
Mr.T.Boopathy	M.E	Asst. Professor	PED	2 Years, 8 Months	NIL
Ms.S.Sindhuja	M.E.	Asst. Professor	CS	9 Months	NIL
Ms.N.Saranya	M.E.	Asst. Professor	EST	9 Months	NIL
Ms.S.Suruthi	M.E.	Asst. Professor	CS	9 Months	NIL
Ms.S.Pricilla Mary	M.E.	Asst. Professor	CIE	9 Months	NIL
Ms.E.V.Abhinaya	M.E.	Asst. Professor	CS	9 Months	NIL
Ms.J.Padmapriya	M.E.	Asst. Professor	CS	9 Months	NIL
Ms.J.Maria Sofi Anusuya	M.E.	Asst. Professor	CS	9 Months	NIL
Ms. V.Bharathi	M.E.	Asst. Professor	CS	9 Months	NIL
Mr.N.Khadar Basha	M.E.	Asst. Professor	CS	6 Months	NIL
Ms.R.Sudha	M.E.	Asst. Professor	CS	3 Months	NIL
Ms.R.Akiladevi	M.E.	Asst. Professor	VLSI	3 Months	NIL
Ms.S.Anju	M.E.	Asst. Professor	CS	3 Months	NIL
Mr.G.Krishna Kumar	M.E.	Asst. Professor	VLSI	3 Months	NIL

11. List of senior visiting faculty :

Name of the visiting faculty	Designation/ Working Organization
Dr. S. Nithyanandham	Professor/ B.S. Abdul Rahman Crescent University, Chennai.
Dr. K. Dharmalingam	Professor/ College of Engineering, Chennai.
Dr. D.Kumar	Dean Research/ Periyar Maniammai University, Tanjore.
Dr. K. Raveendran	Professor/ Anna University, Chennai.
Dr. J.Raja	Professor/ SRM university, Chennai.
Dr. N.A.Vasanthi	Professor/ Karpagam University, Coimbatore.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Name of the Programme	% classes handled by
Electronics and Communication Engineering (UG)	10 %

13. Student-Teacher Ratio (Programme wise) :

Programme	Student Teacher Ratio	
	As per norms	In Operation
B.E	15:1	15:1
M.E	12:1	12:1

14. No. of academic support staff (technical) and administrative staff; sanctioned and filled.

Staff	Sanctioned	Filled
Technical Staff	06	06
Administrative Staff	02	02

15. Qualifications of teaching faculty with D.Sc /D.Litt / Ph.D / M.Phil / PG:

Qualification	Number of Faculty
Ph.D	3
PG (M.E/M.Tech)	35

16. Number of Faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received :

Faculty name	Project title	Customer	Funds Received	Status
Ms.D.Sathyakala	Patient Monitoring and Report System	Dhanalakshmi Srinivasan Hospital,Perambalur	35000	Ongoing
Ms.J.Padmapriya	Electronic Display Board	Dhanalakshmi Transports, Perambalur	20000	Ongoing
Ms.V.Bharathi	Automatic Bell Announcem-ent System	Srinivasan Polytechnic College Perambalur	15000	Ongoing
Mr.V.Vijayakumar	Fire Safety Assistance	Dhanalakshmi Srinivasan Arts & Science College, Perambalur	25000	Ongoing

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received :

Level of Funding	Name of the Faculty	Title of the project	Funding agencies	Grant Received in Rs	Status
National	Dr.M. Kalpana	Modernization of Comm-unication Lab	AICTE MODROBS	5,00,000	Completed
National	Mrs.K.R. Premavathy	Establishment of Real time Embedded sys-tem and app-lications lab with additional testing Facility	AICTE MODROBS	12,50,000	Completed
National	Mrs.B. Revathy @ Ponmozhi	National Level Conference On Emerging Tre-nds In wireless Communication	AICTE	40,000	Completed
National	Mrs.P. Rajeswari	Summer - Winter School Scheme	AICTE MODROBS	1,28,000	Applied
National	Mrs.P. Rajeswari	Establishment of Communication Lab	AICTE MODROBS	8,0,5000	Applied

18. Research Centre/faculty recognized by the university

- During the current academic year four staff members are pursuing PhD under the co-guidance provided by professors in the ECE department.
- Our ECE Department has applied for approval of Research centre at **Anna University, Chennai.**

19. Publications**Publication per faculty**

Name of the Staff	National Publications	International Publications
Dr.M.Kalpana	5	11
Dr.S.Kalaivani	5	4
Dr.P.Thiruvallar selvan	2	2
Dr. K. V. S.S.S.S.Sairam	4	12
Dr. A. V. Prathap Kumar	3	3
Dr.V.Thirumurthulu	2	9
Mr.N.K.Kumar	2	2
Mrs.B.Suganthi	2	2
Mrs.B.Revathy @ Ponmozhi	2	2
Mrs.N. Lakshmi Prabha	10	6
Mrs.P.Rajeswari	5	6
Mrs.M.Parameswari	2	2
Mr.R.Ilayaraja	2	1
Mr.N.Ramkumar	5	5
Mr.T.A.Ananth	2	2
Mr.N.Karthikeyan	1	1
Mr.S.Sathyamoorthy	1	-
Mr.A.Yogeshwaran	5	3
Mrs.S.Kalpana	1	1
Mrs.M.Dhayalini	1	1
Mrs.S.S.Sathya	1	1
Ms.D.Sathyakala	1	-
Ms. E.Nithya	2	1
Mr.V.Vijayakumar	1	2
Mr.T.Boopathy	1	1
Mr.N.Saranya	1	-
Ms.S.Sindhuja	-	1
Ms.S.Pricilla Mary	1	1
Mr.N. Khadar Bhasha	1	-
Ms.S.Suruthi	2	2
Ms.V.Bharathi	2	1
Ms.J.Mariya sofi Anusiya	1	1
Ms.J.Padmapriya	-	2

Number of papers published in peer reviewed journals (national / international) by faculty and students

Faculty/ Student	Journal	Paper Title /Citation index / h-index	Volume, Year& ISSN No.
Dr.M.Kalpana	International Journal of Soft Computing	Evaluation of Network Life Time of Wireless Sensor Networks Using Hierarchical Energy Tree Based Routing Algorithm with Exponential Congestion Control Citation Index: 1 Impact factor:1.224	Vol.4, no. 5, pp. 185-196, 2009.
	International Journal of Computer Science & Network Security	Performance Evaluation of Exponential TCP/IP Congestion Control Algorithm,” Impact factor:2.561	Vol 9, no.3, pp. 312-319, 2009
	International Journal on Software Engineering	Hierarchical Energy Tree based Energy Aware GPSR (HETEA GPSR) Algorithm for Wireless Sensor Networks,” Impact factor:2.080	Vol.2, no. 3, pp. 44-49, 2008
	International Journal	Performance Evaluation of Sensor Node Distribution Patterns for efficiency improvement in Wireless sensor Networks	Vol.1, no.3, pp 79-84, 2007
	International Journal on Engineering and Technology	Comparative Performance Analysis of TCP Congestion Control Algorithms for the Efficiency Improvement of E-learning Applications,”	Vol.2, no.1, pp 20-23, 2006
	International Journal on Software Engineering	Simulation and Analysis of Polynomial Congestion Control Algorithms over Mobile Adhoc Networks with various Mobility Scenario,” Citation Index: 5 Impact factor:0.30	Vol.1, no.1, pp. 46-52, 2006 ISBN: 0-7695-2552-0

Faculty/ Student	Journal	Paper Title /Citation index / h-index	Volume, Year& ISSN No.
Dr.M.Kalpana	I-manager's Journal on Software Engineering	Hierarchical Energy Tree Based Energy Aware GPSR (HETEA GPSR) Algorithm for Wireless sensor Networks Impact factor: 1.00	Vol.2, no.3, pp. 44-49, 2007
	I-manager's Journal on Engineering and Technology	Comparative Performance Analysis of TCP Congestion Control Algorithms for the Efficiency Improvement of E-learning Applications," Impact factor: 1.00	Vol.2, no.1, pp. 20-23, 2006
	I-manager's Journal on Software Engineering	Simulation and Analysis of Polynomial Congestion Control Algorithms over Mobile Ad hoc Networks with various Mobility Scenario,"	Vol.1, no.1, pp. 46-52, 2006
Dr.S.Kalaivani	International Journal of Signal Processing, Image Processing and Pattern Recognition	A View On Despeckling In Ultrasound Imaging Citation Index: 44 h index: 34 Impact factor: 1.851	Vol.2 no.3 Sep 2009
	ACEEE Inte- national jou- rnal of com- munication	Despeckling of Ultrasound Imaging using Median Regularized coupled Pde Citation Index: 2 Impact factor: 3.120	Vol.2, no.2 June 2011
	International journal of computer te- chnology & application	Boosted non-linear coherent diffusion for Despeckling of diagnostic Ultrasound Images Impact factor: 2.015	Vol 2(2), pp.284- 292 ISSN:2229-6093
	International Journal of Information and Electronics Engineering	Multiscale Compound PDE Approach for Despeckling of US/SAR/OCT Images	Vol.2,no.6, Nov 2012 ISSN: 2010- 3719

Faculty/ Student	Journal	Paper Title /Citation index / h-index	Volume, Year& ISSN No.
Dr.S.Kalaivani	Journal of Imaging Science and Technology	Diagnostic Ultrasound image enhancement: A multiscale Permutation Approach Citation Index: 3	Vol 56,no 1, Jan 2012, pp. 10501-1- 10501-12(12)
Mrs.B.Revathy @ Ponmozhi	International Journal of Information Technology	An Efficient Technique for EMI Mitigation in Fluorescent Lamps using Frequency Modulation and Evolutionary Programming Impact factor: 0.486	Vol.no. 6 Issue 1, p17, 2010
Dr.P.Thiruvalar selvan	International Journal of microwave and optical technology	A CAD Neural Model For Quasi – Static Analysis Of CPW Synthesis Citation Index :3 h- Index: 1	Vol.no.1, pp.1-8, Jan2009. IJMOT-2008-2- 293
	International Journal	Artificial Neural Network Application in Coplanar Waveguide Characteristic Curves" Computer Engineering Division Board h- index: 1 Impact factor: 2.23	Vol.no.88, pp.22- 24, May 2007.
Dr.K.V.S.S.S.S . Sairam	Periyar R&D journal	Optical Network Design for a Broadcast Centre using SD/TD/WD Hybrid Multiplexing h- index: 53 Impact factor: 1.0	Vol no.1, Jul 2002, issue 2
	Periyar R&D journal	Internetwork Designing using Multiple Access Techniques h- index: 53 Impact factor: 1.0	Vol.2, no.4, pp 34-39, July 2002
	UBICC Journal	Evaluation of Single-Hop Architecture for Metropolitan Area Networks Impact factor: 0.838	Vol. 2, no2. pp. 12-25, 2007
		Optical Communications Impact factor: 0.838	Vol. 3,no.1, pp 1-6

Faculty/ Student	Journal	Paper Title /Citation index / h-index	Volume, Year& ISSN No.
Dr.K.V.S.S.S.S Sairam	UBICC Journal	Efficient Routing Algorithms for Survivability in Optical Networks Impact factor: 0.838	Vol.3, no.1, Jan 2009, pp. 50-54
	Journal of Institution of Engineers	“ Internetworking Design by Using Fiber Optic Survivable Techniques (FOST) h -index: 4	Vol.87, no.2, pp. 25-29, Jul 2006,
Mrs.B. Suganthi	International Journal of Engineering Research & Technology	Power Aware Geographic Multicast Routing for Reducing Packet Loss in MANET h- index: 3 Impact factor: 1.852	Vol.3, Jan 2014 ISSN: 2278-0181
Mrs.N. Lakshmi Prabha	International Journal of Engineering Research & Technology	Smart Building Automation through Wireless Sensor Networks Using Zigbee h -index: 3 Impact factor: 1.852	Vol.2 Issue 7, Jul 2013 ISSN: 2278-0181
Mr.N. Ramkumar	European Journal	Corrosion Detection in U bend Oil Pipelines based on Fuzzy Implementation h- index: 16 Impact factor: 0.74	Vol 77, no.2 pp.199-204,2012
	International Review of Mechanical Engineering	Corrosion Detection in T bend Oil Pipelines based on Fuzzy Implementation h- index: 7	Vol.no.7 November 2012
Mrs.P. Rajeswari	International Journal of Advanced Information Science and Technology	Estimation of Node Lifetime Based on Dynamic Nature Routing in MANET Impact factor: 0.621	Vol.9,no.9, Jan.13 pp.33-36 ISSN: 2319:2682
Mrs.M. Parameswari	International Journal of Advanced Information Science and Technology	Adaptive compression technique for wireless sensor network. Impact factor: 0.621	21 st Jan 2013

Faculty/ Student	Journal	Paper Title /Citation index / h-index	Volume, Year& ISSN No.
Mrs.M. Dhayalini	International Journal of Engineering and Technical Reasearch	Lung Intervention by Using CT Fluoroscopy with Repository Framework Impact factor: 1.315	Vol-2, Mar 2014, pp 44- 46 ISSN: 2249-2631
Ms.J. Padmapriya	International Journal of Engineering and Applied Sciences	PAPR Reduction in Discrete Wavelet Transform based OFDM h- index: 9 Impact factor: 1.83	Vol 3(1), Nov 2013, pp 22-25 ISSN: 2249-2631
		Performance Analysis of EPON Network h-index: 9 Impact factor: 1.83	Vol-3(1), Nov 2013, pp 26-29 ISSN: 2249-2631

- **Monographs-Nil**
- **Chapter(s) in Books- Nil**
- **Books Edited – 04**

Books with ISBN / ISSN numbers with details of publishers

S. No	Name of the faculty	Name of the Book	Name of the Publisher (ISBN / ISSN)	Year of book published
1.	K.V.S.S.S. S.Sairam	Optical Communications	Laxmi Publications (978-81-318- 0242-7)	2007
2.		Communication Systems	Sure Publications	2004
3.		Optical Communications	Sure Publications	2003
4.		Fundamental of Electrical and Electronics Engg	Rama krishnan Publications	2001

- **SNIP- Nil**
- **SJR- Nil**

20. Areas of consultancy and income generated

S.no.	Project title	Customer	Funds Received
1.	Electronic display board	Amman transports, Trichy	20,000
2.	Electronic notice board	Rockfort school, Trichy	20,000
3.	Patient monitoring kit	Siva hospital, Perambalur	25,000
4.	Conducted training program regarding computer hardware	M.R.V Matriculation School, Ammapalayam	15,000
5.	Automatic bell announcement system	Srinivasan Arts & Science College, Perambalur	15,000
6.	Intercom installation	Dhanalakshmi Hotels, Perambalur	75,000
7.	Fire safety assistance	Srinivasan Arts & Science College, Perambalur	25,000
In addition, the department opens non-remunerative consultancy services to the Rural poor .			

21. Faculty as members in a) National committees b) International committees c) Editorial Boards...

Name of Faculty	National committees	International committees	Editorial Boards
Dr. K.V.S.S.S.S. Sairam	ISTE, IETE	MIEEE, SPIE, IAEME	- IEEE Reviewer - IEEE Editorial Member
Dr.A.V.Prathap kumar	ISTE, SAE, IETE	IAEME	-
Dr.V.Thirumurthulu	ISTE, IETE	IAENG	-
N.Ramkumar	ISTE, IETE	IAENG	-
P.Rajeswari	ISTE, IETE	IAENG	-
S.Sathya	ISTE, IETE	IAENG	-
A.Yogeshwaran	ISTE, IETE	IAENG	-
R.Ilayaraja	IETE	IAENG	-
M.Parameswari	IETE	IAENG	-
K.Yoganand	IETE	IAENG	-
S.S.Sathya	IETE	IAENG	-
S.Sathyamoorthy	IETE	IAENG	-
M.Dhayalini	IETE	IAENG	-

Name of Faculty	National committees	International committees	Editorial Boards
S.Nithya	IETE	IAENG	-
S.Kalpana	IETE	IAENG	-
D.Sathyakala	IETE	IAENG	-
V.Vijayakumar	IETE	IAENG	-
T.Boopathy	IETE	IAENG	-
N.Saranya	IETE	IAENG	-
S.Suruthi	IETE	IAENG	-
J.Padmapriya	ISTE, IETE	IAENG	-
J.Maria Sofi Anusuya	IETE	IAENG	-
V.Bharathi	IETE	IAENG	-
N.Khadar Basha	IETE	IAENG	-

- ISTE - Indian Society for Technical Education.
- SAE - Society of Automotive Engineers.
- MIEEE -Member of the Institute of Electrical and Electronics Engineers.
- IAENG -International Association of Engineers.
- SPIE - International Society for Optics and Photonics.
- IEEE - Institute of Electrical and Electronics Engineers.
- IETE - Institution of Electronics and Telecommunication Engineering
- IAEME - International Association for Engineering and Management Education

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental / programme

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research Laboratories / Industry / other agencies

BE-Electronics and communication engineering

Year	Total No Of Batch	Industry Project	In-House / Own Project
2009-2010	30	33.3%	66.7%
2010-2011	34	15.6%	84.4%
2011-2012	40	17.5%	82.5%
2012-2013	39	10.2%	89.8%
2013-2014	38	2.63%	9%

ME-Communications systems

Year	Total No Of Batch	Company Project	In-House/ Own Project
2009-2010	11	-	100%
2010-2011	18	5.5%	94.5%
2011-2012	35	2.8%	97.2%
2012-2013	35	2.8%	97.2%
2013-2014	33	6.0%	94%

23. Awards / recognitions received by faculty and students**a) Achievement by Faculty:**

S. NO	STAFF NAME	PURPOSE	AMOUNT	FUND / AWARD RECEIVED FROM	YEAR
1	Dr.M.Kalpana	Establish Communication Laboratory	5,00,000	MODROBS	2012
2	Mrs.K.R. Premavathy	Establish Embedded System Laboratory	12,50,000	MODROBS	2010
3	Mrs. B.Revathy @ Ponmozhi	National Level Conference On Emerging Trends In Communication (NCETC'10)	40,000	AICTE	2009
4	Dr.P.Thiruvalar selvan	Best Research Article award ("Corps of Engineers" prize – (Gold medal))	-	Award received from S.S.Rathore , President of the Institution of Engineer	2012

- Many Staff are rewarded by the management for 100% & above 95% results in Anna University examinations.

b) Achievement by Students

S.NO	STUDENT NAME	UG / PG	UNIVERSITY RANK	BATCH & NO.OF RANK HOLDERS
1.	Indhu Bala.B	UG	19	2011-2013 & 9 Rank Holders
2.	Kanimozhi.S		29	
3.	Suganya.K		33	
4.	Meena.L		33	
5.	Naina Gurung		34	
6.	Vidhyadevi.R		39	
7.	Supraja.G		45	
8.	Jaya Vigneshwari.C		48	
9.	Shanmugapriya.K		50	
10.	Suruthi.S	PG	23	2009-2013 & 5 Rank Holders
11.	Lekshmi Raj		23	
12.	Arunkumar.S		27	
13.	Stefy Johnson		31	
14.	Parveen bee.A		31	
15.	Fouzul hidhaya.M	UG	33	2008-2012 & 6 Rank Holders
16.	Aravindh kumar.P		38	
17.	Aruna.V		39	
18.	Bokka Jyothi		40	
19.	Sivaranjani.G		44	
20.	Gayathri.M		46	
21.	Candida.Y	PG	5	2010-2012 & 1 Rank Holder
22.	Gayathri.S	UG	23	2007-2011 & 2 Rank Holders
23.	Renuka.R		45	
24.	Tamizhelakkiya.K	PG	1	2009-2011 & 2 Rank Holders
25.	Nathiyaa.K.S		2	
26.	Rekha.M	PG	2	2008-2010 & 1 Rank Holder

Extra Curricular Activities of This Semester Jul 2013-Mar 2014

5 Students of final year ECE have participated in Zonal level as listed below

S.No	Year	Student Name	Event Name	Place	Position
1.	IV	S.Ramya	4x 100mts Relay (Zonal level)	MAMCE	First
2.	IV	V.Ragavi	High Jump (Zonal level)	MAMCE	Second
3	IV	V.Ragavi	4 X400mts Relay(Zonal level)	MAMCE	Second
4	IV	B.Kasthuri Thilagam	Badminton	TEC	winner
5	IV	B.Kasthuri Thilagam	Badminton	JCET	Third

24. List of eminent academicians and scientists / visitors to the department

Academic Year	Name of the Faculty	Name of the College
2009-2010	Dr. G. Nagarajan	PEC, Pondicherry.
	Dr. P. Ramamoorthy	TPGIT, Vellore.
	Dr. K. Baskaran	GCT, Coimbatore.
	Dr. V. Vaidehi	MIT, Chennai.

Academic Year	Name of the Faculty	Name of the College
2009-2010	Dr. M. Chandrasekaran	GCE, Salem.
	Dr. A.Revathi	Saranathan college of Engg,Trichy.
	Dr. A.Sivanantharaja	A.C.College of Engg & Tech, Karaikudi.
	Dr.T.Purusothaman	GCT,Coimbatore.
	Prof A.Kavitha	Jayaram CET, Thuraiyur.
	Dr. J.Raja	Anna University, Trichy.
2010-2011	Mrs. M.PheminaSelvi	AUT,Ariyalur Campus,Ariyalur.
	Mr. V. Raju	BSNL, Trichy.
	Mr.S.Vinayaka babu	4semitech India Pvt ltd, Chennai.
	Mr. K. Narayanan	BSNL, Trichy.
	Dr. G. BalaKrishnan	Indra Ganesan College of Engg , Trichy.
	Dr. A.Revathi	Saranathan college of Engg,Trichy.

Academic Year	Name of the Faculty	Name of the College
2010-2011	Dr. Latha Parthiban	SSN College of Engineering, Chennai..
	Dr Elizabeth Caroline	JJCET, Trichy.
	Dr. D. SriramKumar	NIT, Trichy.
	Mr.P.Baskar Mr.CinilAbraham	Application Engineer, Trident Tech Labs, Chennai.
	Mr.D.Justis	CADD Centre, Mylapore, Chennai.
	Mr.D.Surendhiren,	VLB Janakiammal college
	Dr. N.A. Vasanthi	KCE, Coimbatore
2011-2012	Dr. D. SriramKumar	NIT, Trichy.
	Mr. A. Gowthaman	CPCL, Chennai.
	Mrs. K.Umamaheshwari,	ECE dept, PABCET, Trichy.
	Dr.Muthurama krishnan,	Research Scientist.
	Mrs.S.Suganthi,	MIET Engg College
	Mr.R. Kannan.	Sona college of Technology, Salem.
2012-2013	Dr. K. Selvakumar	Annamalai University.
	Dr. P.Muthu chidambaranathan	NIT, Tichy.
	Dr.P.Ramesh babu	Assistant Professor, Pondicherry University
	Dr. T. Shanmuganathan	Pondicherry University.
	Dr. P. Palanisamy	NIT, Trichy.
2013-2014	Dr. K. VenkataLakshmi	University College of Engineering, Tindivanam.
	Mr.V. Kulandaiselvan	Francis Xavier Engg College, Tirunelveli.
	Mr.A.Athif shah	ABE Semiconductor designs, Chennai.
	Dr. G. Nagarajan	PEC, Puducherry.
	Mrs.M.Anjali thirukumaran	SAT Infosys, Coimbatore.
	Dr.P.Thiruvalar selvan	TRP Engineering college, Trichy
	Dr.S.Kalaivani	TRP Engineering college, Trichy

25. Seminars / conferences/ workshops organized & the source of funding**a)National b)International**

S. No.	Event	Year	National / International	Source Of Funding
1.	National level Workshop On Workshop on communication networks	2009-2010	National	DSEC/TECHL ABS
	National level seminar on Security Issues On Optical Communication Networks			AICTE
	National Level Conference On Emerging Trends In wireless Communication (NCETC'10)			
2.	National Seminar On Applications of signal and image processing (ASIP'11)	2010-2011	National	DSEC
	National level Workshop On Embedded Systems using ND LABVIEW			
	International Conference on Engineering, Science and Technology. (ICEST'11)			
	International Conference on Image processing, wireless networks, MEMS and its applications			
	National Level Conference On Emerging Trends In Communication (NCETC'11)			
3.	National Level Conference On Emerging Trends In Communication (NCETC'12)	2011-2012	National	DSEC
	National Seminar On Smart Antennas for Mobile Communication			
	One day National level Workshop On VLSI design.			
4.	National level Workshop On Digital signal processing and its applications	2012-2013	National	DSEC

S. No.	Event	Year	National / International	Source Of Funding
5	National Seminar On Planar and Reconfigurable antennas	2012-2013	National	DSEC
	National Level Conference On Emerging Trends In Communication (NCETC'13)			
6	National Seminar On Emerging Trends In wireless networks	2013-2014	National	DSEC
	National level Workshop on Optimization algorithm for Digital Image Processing			
	National Level Conference On Emerging Trends In Communication			

26. Student profile programme / course wise:

Name of the Course/programme (refer question no. 4)		Applica tions received	selected	Enrolled		Pass percentage
				*M	*F	
Electronics and Communication Engineering	2005-2009	105	98	75	23	71.4
	2006-2010	110	100	72	28	79
	2007-2011	135	130	86	44	93.07
	2008-2012	149	144	78	66	79.16
	2009-2013	140	134	45	89	77.61
Communication Systems`	2006-2008	8	5	1	4	100
	2007-2009	7	5	2	3	60
	2008-2010	15	11	4	7	100
	2009-2011	24	18	3	15	94.4
	2010-2012	40	35	12	23	91.42
	2011-2013	38	33	15	18	88.23

*M=Male *F=Female

27. Diversity of students

Name of the Course	% of students from the state	% of students from other state	% of students from other country
B.E- Electronics and Communication Engineering (2006-2010)	83%	17%	-
M.E-Communication Systems (2006-2008)	90.91%	9.09%	-
B.E- Electronics and Communication Engineering (2007-2011)	83.85%	16.15%	-
M.E-Communication Systems (2007-2009)	94.44%	5.56%	-
B.E- Electronics and Communication Engineering (2008-2012)	85.42%	14.58%	-
M.E-Communication Systems (2008-2010)	65.71%	34.29%	-
B.E- Electronics and Communication Engineering (2009-2013)	80.43%	19.57%	-
M.E-Communication Systems (2009-2011)	66.67%	33.33%	-
B.E- Electronics And Communication Engineering (2010-2014)	83.11%	16.89%	-
M.E-Communication Systems (2011-2013)	72.73%	27.27%	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Competitive Exam	No. of students Qualified
TANCET	25
BANKING SERVICE	03
CONSORTIUM	28
NCC	03

29. Student progression

UG

Student Progression	Against % Enrolled					
Batch	2005-2009	2006-2010	2007-2011	2008-2012	2009-2013	2010-2014
Total	98	100	130	144	134	144
UG to PG	10	4	30	31	39	---
PG to M. Phil	---	---	---	---	---	---
PG to Ph. D	---	---	---	---	---	---
Ph.D to Post – Doctoral	---	---	---	---	---	---
Employed						
• Campus Selection	23	58	19	56	7	75
• Other than Campus Recruited	30	35	65	44	55	7
Entrepreneurship SelfEmployment	---	---	---	---	1	---

PG

Student Progression	Against % enrolled					
Batch	2007-2009	2008-2010	2009-2011	2010-2012	2011-2013	2012-2014
Total	5	11	18	34	35	33
UG to PG	---	---	---	---	---	---
PG to M. Phil	---	---	---	---	---	---
PG to Ph. D	1	---	---	---	---	---
Ph. D to Post – Doctoral	---	---	---	---	---	---
Employed						
Campus Selection	---	---	---	---	---	---
Other than Campus Recruited	4	11	18	31	31	---
Entrepreneurship / Self – Employment	---	---	---	---	---	---

30. Details of infrastructural facilities

- (a) Library : The department library has 707 Books.
- (b) Internet facilities for staff and students
- Dedicated computing facility : 40 Systems with Internet Connectivity
 - Wi-Fi facility : (BROVIES,CPLINK,UBNT & ENGINEERS Wireless device) Configuration
 - LAN Facility : 100/1000 Mbps
 - Internet Speed : 16 Mbps
 - Service Provider : BSNL (16 Mbps)
- (c) Class rooms with ICT facility : 10 class rooms are available.
(2 class rooms are available with ICT facility)
- (d) Laboratories : 5 Laboratories are available

S.No	Laboratory Name	Lab Conducted
1	DSP Laboratory	Digital Signal Processing Lab Networks Lab VLSI Design Lab Embedded Systems Lab
2	Electronics Laboratory	Electronic Circuits I Lab Electronic system design Lab Electronic Circuits II and Simulation Lab Circuits & devices lab
3	Microwave , Optical & Digital Laboratory	Optical & microwave lab Digital Electronics Lab
4	Communication Laboratory	Digital Communication Lab Digital Electronics Lab Linear Integrated Circuits Lab
5	Microprocessor Laboratory	Microprocessors and Microcontrollers Lab

- In each lab 33 students can accommodate per session.

31. Number of students receiving financial assistance from college, university, government or other agencies

BATCH	Scholarship SC/ST	Scholarship BC/MBC	Farmer Scholarship	Other Agencies
2010-2014	12	40	3	1
2011-2015	16	35	5	-
2012-2016	21	46	15	2

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

2009-2010			
S.No.	Student Enrichment Program	Title of the Program	Resource Persons
1	National level Workshop	Workshop on communication networks	1.Dr. V. Vaidehi, Dept of ECE, MIT, AU, Chennai. 2.Dr. M. Chandrasekaran, Dept of ECE, GCE, Salem.
2	National Level Seminar	Security Issues on Optical Communication Networks	1.Dr.T.Purushothaman, GCT Coimbatore. 2.Dr.A.Sivanandharaja, AC College of Engg and Tech., Karaikudi.
3	Guest Lecture	Speech and signal processing VLSI	1.Dr. A. Revathy, SEC, Trichy 1.Prof.A.Kavitha, JCET, Thuraiyur

2010-2011			
S.No.	Student Enrichment Program	Title of the Program	Resource Persons
1	National level Workshop	Embedded Systems using ND LABVIEW	1.P.Baskar & Mr.Cinil Abraham, Application Engineer, Trident Tech Labs, Chennai.
2	National Level Seminar	Applications of signal and image processing (ASIP'11)	1.Dr.G.Balakrishnan, Managing Director, Indra Ganesan college of Engineering, Tiruchirapalli. 2.Dr.Latha Parthiban, Professor, Dept of CSE, SSN College of Engineering, Chennai.
3	Guest Lecture	ORCAD and Pspice product presentation Embedded Systems	1.D.Justus, CADD Centre, Mylapore, Chennai. 1.D.Surendhiren, VLB Janakiammal college of Engineering and Technology.

2011-2012			
S.No.	Student Enrichment Program	Title of the Program	Resource Persons
1.	National Seminar	One day National level Seminar On Smart Antennas	1.Mrs. K.Umamaheshwari, ECE dept, PABCET, Trichy.
2.	National level Workshop	One day National level Workshop On VLSI design.	1.Mr.R. Kannan. Sona college of Technology, Salem.
3.	Guest lecture	Medical Image Processing	1.Dr.Muthurama Krishnan, Research Scientist.
		Antennas and Wave Propagation	1.Mrs.S.Suganthi, MIET Engg College.

2012-2013			
S.No.	Student Enrichment Program	Title of the Program	Resource Persons
1.	National Seminar	Planar and Reconfigurable antennas	1.Dr.T.Shanmuganantham, Assistant Professor, Pondicherry University.
2.	National level Workshop	Digital signal processing and its applications	1.Dr.P.Ramesh babu, Assistant Professor, Pondicherry University
3.	Guest lecture	Digital signal processing	1.Prof.K.S.Manikandan, NIT,Trichy.

2013-2014			
S.No.	Student Enrichment Program	Title of the Program	Resource Persons
1.	National level Workshop	Optimization Algorithm for Digital image processing	1.Dr.K.Venkatalakshmi,University College of Engineering,Tindivanam.
2.	National Seminar	Emerging Trends In Wireless networks	1.Mrs.Anjali Thirukumaran,Managing Director,SAT Infosys,Coimbatore.
		Frequency response of Amplifiers (Electronic Circuits)	1.V.Kulandhaiselvan, Francis Xavier Engg College, Tirunelveli

S.No.	Student Enrichment Program	Title of the Program	Resource Persons
3	National Seminar	Communication Techniques	2.Dr. G. Kalaivani, TRP Engg College, Trichy.
		RF and Microwave Technology	3.Dr. P.Thiruvallarselvan, TRP Engg College, Trichy.

Department offers the following certificate courses

S. no.	Courses	Semester	Duration	Resource person
1.	Embedded systems training	Odd	6 Months	TECH labs, Chennai
2.	VLSI Design	Odd	3 Months	UTL technologies & ILFS Bangalore
3.	MAT lab	Even	3 Months	SAT Infosys, Coimbatore

33. Teaching methods adopted to improve student learning:

The institution believes that innovation is the only way for survival. This applies to our teaching approaches/methods as well. Teachers use modern techniques of teaching like multi-media laptops, projectors, educational CDs, latest software, etc., to enable better knowledge acquisition and absorption.

In addition to making full use of audio-visual aids, teachers constantly revise their teaching methods based on student feedback, their discussion with other teachers (comparing notes), successful methods identified within the college and elsewhere, and new methods updated on the Internet and from journals.

Regarding efforts made by the institution, the institution encourages all the faculty members to participate in various seminars and one-day conferences to help broaden their outlook. They come and share their experiences with the students and other faculty members. They are also given a free hand for usage of wi-fi facility at our College to stay abreast of latest innovations in teaching.

The institution also takes care of the faculty needs to be updated and to keep themselves at the top of current technologies and latest developments in their respective fields. To enhance these skills, they are encouraged to use computers, library, and internet facilities to enrich their quality of teaching.

The college also supports the faculty to adopt new ways, approaches and methods such as organizing conferences and seminars etc., The faculty members are encouraged to attend the national and international conferences with financial assistance. The faculty members who attend these conferences and seminars share their experiences with the students.

The innovative teaching methods adopted by the faculty in this department include:

- Incorporating recent technologies
- Teaching through projects
- Creative approach to the syllabus teaching
- Increased use of web resources
- Innovation in effective utilization of lecture time (40 minutes for Instruction, 10 minutes for interaction)
- Research oriented teaching – projects, seminars Interdisciplinary teaching (common course)
- Use of GD, Role Play, Poster Wall Magazine etc., as part of class room teaching.
- Focus on student centered teaching

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- Summer course for school students to create awareness of cell phone radiation.
- Providing Training program for students towards soft skills.
- Training Program on Mobile phone service for self aided group.
- Students participate in Pollution awareness programs, Flood victim relief measure, and AIDS awareness programs.
- Promotion of leadership qualities through extra/co curricular activities such as NCC, NSS, YRC.
- Students are regularly participating in Clean and green programs conducted by various welfare organization.

35. SWOC analysis of the department and Future plans

(i) SWOC Analysis:

Strength:

- Good infrastructure and 100 % laboratories.
- Encouraging the faculty members in pursuing research leading to Ph.D.
- A strong Training and Placement Cell to groom industry ready students through continuous training on soft skill, special technical training, and industry visit and provide assistance in placement. In-plant training also prompts to ensure the excellence of the students by arranging periodical workshops and seminars on current technical development.
- More students securing University Rank.
- Dedicated and highly qualified faculty members.
- Orientation courses for the junior faculty.
- Sustained student discipline

Weakness:

- Number of students passing in TANCET/GATE and other administrative Service examination is very less.

- Most of the students are from rural areas and they are lagging behind in communication skills
- Research, extension and consultancy activities are to be improved

Opportunity:

- Higher studies and research for students as well as faculty.
- Conferences, workshops, Symposium and seminars for students.
- Faculty are allowed to upgrade the skills by attending Faculty Development Programs, summer schools, winter schools and conferences
- Extra-curricular activities and Co-curricular activities for students.
- Scope for strengthening the industry-institute interaction for better placements of students.
- MoUs are launched with Reputed Companies like TCS, to bridge the Institution- Industry gap. AICTE is supporting financially for contributing innovative ideas towards the productive socioeconomic growth of our nation.
- Innovation in teaching – learning process.
- Placement training programme, GATE Coaching and counseling organized within the campus regularly for the career guidance of the students.

Challenge:

- Enhancement of university examination results.
- Improvement of communication skills of students.
- To motivate the students to appear for competitive exams in appreciable numbers.
- To build strong alliances with National organizations for academic and R&D activities in thrust areas of Engineering & Technology.
- Achieving 100% students' placement through campus recruitment.
- To prepare employable students on the face of ever changing technology and thrust areas.

(ii) Future Plans Of the Department:**Long term plans:**

- To take up research projects from Government and Leading Industries to enhance the department as a renowned hub of academic excellence.
- To encourage the faculty to register for PhD programmes.
- To mold our students into outstanding communication engineers with high ethics and technical competency of International Standards.
- To tie-up with leading foreign institutions to bridge the gap between the Latest developments and class room teaching.

Short term plans:

- To obtain considerable improvement in the results and placement.
- To conduct more value-added courses and enhance student skills through Personality Development Programs.

- To secure more University Ranks and Medals.
- To organize seminars, symposium, conference and workshops.
- To get funded projects from government organizations such as DRDO, ISRO, CSIR etc.,
- To get MoU's signed with reputed universities and industries.
- To improve the consultancy works.

9. DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

1. **Name of the Department :**
MASTER OF BUSINESS ADMINISTRATION (MBA)
2. **Year of Establishment : PG: 2005**
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**

S.No	Name of Programme offered
1.	Master of Business Administration (PG)

4. **Names of Interdisciplinary courses and the Departments / Units involved:**

S.No.	Courses offered by other Departments	Departments involved
1.	BA7206-Applied Operation Research	Science and Humanities Department
2.	BA7102-Statistics for Management	

5. **Annual/ semester/ Choice based credit system (Programme wise):**
Choice based credit system is followed.

6. **Participation of the department in the courses offered by other departments :**

S.No.	Courses offered to other Department	Departments involved
1.	MG2351-Principles of Management	Electronics and Communication Engineering & Civil Engineering
2.	MG1301-Total Quality Management	
3.	CE1451-Construction Project Management	Civil Engineering

S.No.	Courses offered to other Department	Departments involved
4.	GE1451-Engineering Economics and Cost Analysis	Information Technology
5.	GE2025-Professional Ethics in Engineering	Electrical and Electronics Engineering

7. Courses in collaboration with other universities, industries, foreign institutions, etc. :

S.No.	Course	Participating institution /industry
1.	Logistics and Supply Chain Management	Manipal University,Dubai Campus,UAE
2.	Industrial Relationship and Labour Welfare	Ocean India Pvt.Limited, Brandix Apparel City , Visakapattinam

8. Details of courses / programmes discontinued (if any) with reasons :
- There is no programme discontinued

9. Number of teaching posts :

Designation	Sanctioned	Filled
Professor	1	1
Associate Professor	3	3
Assistant Professor	12	12

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D. /M.Phil. etc.):

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr.K.Soundararajan	Ph. D	Professor & Head	Finance & Marketing	15	4
K.Venkata Krishna Raju	M.Com, MBA, M.Phil	Associate Professor	Finance & Marketing	26	-
N.Suguna	BBA,MBA	Associate Professor	HR & Marketing	12	
S.Antony Valen	B.E,MBA	Associate Professor	HR & Marketing	6	-
G. Mageswari	BBA,MBA	Assistant Professor	HR & Marketing	1	-
R.Rajeshwari	BBA,MBA	Assistant Professor	Finance & Marketing	2	-
S. S. Priyanka	B.E,MBA	Assistant Professor	HR& Finance	1	-
K.Krishnamoorthy	B.Com,MB A	Assistant Professor	Finance & Marketing	4	-
R. Lakshmid devi	B.Com,MB A	Assistant Professor	Finance &Marketing	1	-
S.Joshua Benaiah	B.E,MBA	Assistant Professor	HR & Marketing	1	-
N.Nevetha	B.Com,MB A	Assistant Professor	Finance &Marketing	1	-
J.Rajiv	BE, MBA	Assistant Professor	HR & Marketing	1	-
N.Prabhakaran	BE, MBA	Assistant Professor	HR& Marketing	1	

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
S. Rajesh	BE, MBA	Assistant Professor	HR& Marketing	4	-
N. R. Prakash	BE, MBA	Assistant Professor	HR& Marketing	3	-
K. VijayaRaghavan	MBA	Assistant Professor	HR& Marketing	1	-

11. List of senior visiting faculty :

Name of the visiting Faculty	Working Organization
Dr.G.Gopalakrishnan, MBA,M.Phil,Ph.D	Director ,Balaji Institute of Management & HRD, Pune
Dr.K.V.Ramanathan, MBA,M.Phil,Ph.D	Professor , Dayananda Sagar Business School, Bangalore
Mr.A.B. Sivakumar, MA, M.Phil,	HRD, Manager Brakes India Ltd ,Chennai

12. Percentage of lecturers delivered and practical classes handled (programme wise) by temporary faculty : NIL

13. Student Teacher Ratio (Programme-wise) :

Programme	Student Teacher Ratio	
	As per norms	Available
MBA	15:1	15:1

14. Number of academic support staff (technical) and administrative staff sanctioned and filled :

Designation	Sanctioned	Filled
Technician	01	01
Office Assistant	01	01
Attender	01	01

15. Qualification of teaching faculty with DSc/ D.Litt/ Ph.D/M.Phil/PG :

Qualification	No of Faculty
Ph. D	1
M. Phil	3
PG	12

16. Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received :

Project title	Funded by	Total Grant Received in Rs	Faculty	Status of the Project
Family Business In India	Lakshmi Priya Textiles, Trichy	25,000/-	R.Lakshmi Devi, N.Nevetha	On-going
Women Empowerment	Rotract Club Perambalur	17,500/-	K.Venkata Krishna Raju	On-going

17. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; and total grants received:

As the college is not getting any government fund for the departmental projects, Private consultancy is resorted to.

Project Title	Funded by	Total Grant Received in Rs	Faculty	Status of the Project
Financial Performance Analysis of SHG	Micro Finance Enterprises Perambalur	20,000/-	K.Venkata Krishna Raju	On-going
Office Routines	Kumarasampatty Milk Producers Co-Operative Society Ltd.	7,500/-	S.S.Priyanka	On-going
Customer Satisfaction	Salem District Central Co-Operative Bank Ltd	12,000/-	S.Joshua Benaiah	On-going

18. **Research centre / facility recognized by the University :**

- Application has been sent to Anna University, Chennai to get approval for starting the research centre.

19. **Publications:**

Name of the Staff	National Publications	International Publications
Dr.K.Soundararajan	-	5
K.Venkata Krishna Raju	2	2
S.S.Priyanka	-	4
S.Joshua Benaiah	-	2
R.Lakshmi Devi	-	3
N.Nevetha	-	4
J.Rajiv	-	1
S.Antony Valen	-	1

- **Number of papers published in peer reviewed journals (National / International) by faculty and students :**

Name of the Faculty	Title of the Paper	Name of the Journal	Level	Page No. & Volume	Year of Publication
Dr.K.Soundararajan	Financial Inclusion of RBI	International Conference on New Vistas of Indian Business in Global Scenario	Inter-national	Journal ISSN:2321 - 1423 Vol.No:1 Issue No.6	2013
Dr.K.Soundararajan	Stock Market Seasonality Time Varying Volatility in the Emerging Indian Stock Market	International Organization of Scientific Research Impact factor: 0.733	Inter-national	Journal IOSR Vol.No.9 Issue No.6	2013
Dr.K.Soundararajan	A Study on Risk Assessment in Construction Industry at Trichy	International Journal of Applied Management Research Impact factor: 1.03	Inter-national	TISSL International Publication Belgium ISSN:0974 8709 Vol.5 Special Issue No.5	2013

Name of the Faculty	Title of the Paper	Name of the Journal	Level	Page No. & Volume	Year of Publication
Dr.K.Soundararajan	Attrition of Employee	PRIMAX-International Journal of Human Resource (PIJHR) Impact factor: 0.5432	Inter-national	ISSN No: 2348-0483 Vol.No.1, Issue No.1	2013
Dr.K.Soundararajan	A Study on Entrepreneurial Skill Developed-among Women Entrepreneurs through SHG linked Micro-Enterprises in Perambalur	International Journal of Applied Management Research Impact factor: 1.03	Inter-national	TISSL International Publication Belgium ISSN:0974 8709 Vol.No.6 Issue No.3	2014
K.Venkata Krishna Raju	Scope for corporate Social responsibility as an effective Branding Strategy	Journal of Management and Science Impact factor: 0.07921	Inter-national	ISSN:2249-1260, Vol. No.1 Issue No.12	2013
K.Venkata Krishna Raju	Profile of a Global Entrepreneur in Present Market Scenario	International Journal of Scientific Research Impact Factor: 0.3371	Inter-national	ISSN:2277-8179 Vol. No.2 Issue No.3	2013
K.Venkata Krishna Raju	Services Sector in India an Analysis	Indian Academic Researchers Association Impact factor: 1.026	National	ISSN:2250-1940, Vol. No.2 Issue No.1	2013

Name of the Faculty	Title of the Paper	Name of the Journal	Level	Page No. & Volume	Year of Publication
K.Venkata Krishna Raju	Mobile based viral marketing	Journal of Management in Care Impact factor: 0.0486	National	ISSN:2249-2216, Vol. No.3 Issue No.1	2013
S.S.Priyanka	A Facet Analysis on Occupational Stress among the Workers of Home Textile Mills	International Conference on New Vistas of Indian Business in Global Scenario	Inter-national	Journal ISSN:2321 - 1423 Vol.No:1 Issue No.5	2013
S.S.Priyanka	E-HRM: An Enabling HR Tool for Home Textile Mills	PRIMAX-International Journal of Human Resource (PIJHR) Impact factor: 0.5432	Inter-national	ISSN No: 2348-0483 Vol.No.1, Issue No.1	2013
S.S.Priyanka	A Study on Commodity Future Trading – SMC Global Securities Limited.	Research Explorer-Bi Annual International Research Journal on Multi-disciplinary	Inter-national	ISSN No: 2250-1940 Vol.No.1, Special Issue:1	2014
S.S.Priyanka	A Comparative Analysis of Customer Relationship Management on Public and Private Banks	International Journal of Applied Management Research Impact factor: 1.03	Inter-national	TISSL International Publication Belgium ISSN:0974 8709 Vol.No.6 Issue No.3	2014

Name of the Faculty	Title of the Paper	Name of the Journal	Level	Page No. & Volume	Year of Publication
S.Joshua Benaiah	A Study on Brand Awareness of Confederation of Indian Industry, Trichy	International Conference on New Vistas of Indian Business in Global Scenario	International	Journal ISSN:2321 - 1423 Vol.No:1 Issue No.5	2013
S.Joshua Benaiah	A Study on Characteristics of Traffic to the Website Based on Search Engine Result Page Position	International Journal of Applied Management Research Impact factor: 1.03	International	TISSL International Publication Belgium ISSN:0974 8709 Vol.No.6 Issue No.3	2014
R.Lakshmi Devi	A Study on Brand Awareness of Confederation of Indian Industry, Trichy	International Conference on New Vistas of Indian Business in Global Scenario	International	Journal ISSN:2321 - 1423 Vol.No:1 Issue No.5	2013
R.Lakshmi Devi	A Study on Risk Assessment in Construction Industry at Trichy	International Journal of Applied Management Research Impact factor: 1.03	International	TISSL International Publication Belgium ISSN:0974 8709 Vol. No.5 Special Issue No.5	2013

Name of the Faculty	Title of the Paper	Name of the Journal	Level	Page No. & Volume	Year of Publication
R.Lakshmi Devi	A Study on Characteristic of Traffic to the Website Based on Search Engine Result Page Position	International Journal of Applied Management Research Impact factor: 1.03	International	TISSL International Publication Belgium ISSN:0974 8709 Vol.No.6 Issue No.3	2014
N.Nevetha	Financial Inclusion of RBI	International Conference on New Vistas of Indian Business in Global Scenario	International	Journal ISSN:2321 - 1423 Vol.No:1 Issue No.6	2013
N.Nevetha	E-HRM: An Enabling HR Tool for Home Textile Mills	PRIMAX-International Journal of Human Resource (PIJHR) Impact factor: 0.5432	International	ISSN No:2348-0483 Vol.No:1, Issue No.1	2013
N.Nevetha	A Perspective Approach on Risk Management	Research Explorer-Bi Annual International Research Journal on Multi-disciplinary	International	ISSN No: 2250-1940 Vol.No.1,Special Issue:1	2014

Name of the Faculty	Title of the Paper	Name of the Journal	Level	Page No. & Volume	Year of Publication
N.Nevetha	A Comparative Analysis of Customer Relationship Management on Public And Private Banks	International Journal of Applied Management Research Impact factor: 1.03	Inter-national	TISSL International Publication Belgium ISSN:0974 8709 Vol.No.6 Issue No.3	2014
J.Rajiv	Attrition of Employee: A Review	PRIMAX-International Journal of Human Resource (PIJHR) Impact factor: 0.5432	Inter-national	ISSN No :2348-0483 Vol.No.1, Issue No.1	2013
S.Antony Valen	Engineers Development Program offered by BHEL Ranipet, Tamilnadu.	International Journal of Applied Management Research Impact factor: 1.03	Inter-national	TISSL International Publication Belgium ISSN:0974 8709 Vol.No.6 Issue No.3	2014

• Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database -International Social Sciences Directory, EBSCO host, etc.)

S.No	Name of the Faculty Member	Number listed in Intl. Database (Web of science, scopes Science directory etc. Scopus ID	Citation index Google Scholar	h-index Google Scholar
1	-	-	-	-

• **Monographs Chapters in books, Edited Books, Books with ISBN with details of Publishers**

S.No	Name of the Faculty Member	Monographs Authored	Publisher	Books Authored with ISBN
1.	Mr. K. Venkata Krishna Raju	Engineering Economic and Cost Analysis	Mercury publication	978-93-5001-395-3
2.	Mr. K. Venkata Krishna Raju	Human Resource Management	Excel India publication	93-81361-45-2
3.	Dr. K.Soundarajan	Financial Management	MSK publication (In- print)	-
4.	Dr. K.Soundarajan	Principles of Management	MSK publication (In- print)	-

- Citation Index : NIL
- SNIP : NIL
- SJR : NIL
- h-index : NIL

20. Areas of consultancy and income generated :

Year	Project title	Funds Received in Rs
2010-2013	A Project done towards E-HRM: An Enabling HR Tool for Sarvamagala Home Textile Mills	12,000
	Market study is done on Sanitary Napkin for ASCENT-E DIGIT	25,000
	Brand Awareness project is done for Confederation of Indian Industry(CII)	21,000
	Business opportunities for Women SHG at Perambalur	Free of cost
The department also offers consultancy service at free of cost to the rural people		

21. Faculty as members in a) National Committees b) International Committees c) Editorial boards,etc., :

National Membership:

S.No	Name of the Faculty	Name of the Membership Aboard	Membership Number
1.	Dr.K.Soundararajan	Chartered Institute of Transport in India(IRT)	AF-580
2.	Mr.K.Venkata Krishna Raju	Management Assessment and Certificate, Singapore	SIN#IND0913000001

Membership in Editorial Boards:

S.No	Name of the Faculty	Name of the Book	Name of the Conference	Publisher	ISBN Number
1.	Dr.K.Soundararajan	Voice of Manager	International Conference on Innovative Practices in Management(IPM-2009)	Himalaya Publishing House Pvt.Ltd.,Mumbai	978-81-8488-942-0

22. Student projects :

- **Percentage of students doing projects in collaboration with industries / institutes**

Academic Year	Percentage of in- house projects	Percentage of industrial projects
2009-2011	12	88
2010-2012	9	91
2011-2013	28	72
2012-2014	21	79

23. Awards / recognitions received by faculty and students :**Achievement by faculty (cash award)**

Academic Year	Achievement
2011-2012	• 2 Faculty have been awarded for 100% Result by the management • 1 Faculty has been awarded for 95 % Result by the management
2012-2013	• 1 Faculty has been awarded for 100% Result by the management • 1 Faculty has been awarded for 95 % Result by the management
2013-2014	• 1 Faculty has been awarded for 100% Result by the management • 3 Faculty have been awarded for 95 % Result by the management

Achievement by Students**Rank Holders**

S.No	Batch	Total No.Rank Holders
1	2009-2011	24
2	2010-2012	19

Students Participation in other college events:

Academic Year	Achievement
2011-2012	• 6 students have participated in One Day National Level Workshop
2012-2013	• 11 students have presented a paper in International Conference on New Vistas of Indian Business in Global Scenario
2013-2014	• 8 students have participated in One Day National Level Workshop

Student Academic Achievements:

S.No	Student Name	Student Achievements
1	C.Sasikala	Best out going student in 2012-2014 batch
2	C.Sasikala	I-MBA/II-semester First rank(2012-2014)
3	Linu Monachen	I-MBA/II-semester Second rank (2012-2014)
4	K.Suryakala	I-MBA/II-semester Third rank (2012-2014)
5	R.Shyamraj	II-MBA/III-semester Third rank (2012-2014)
6	A.Nandhini	II-MBA/III-semester Third rank (2012-2014)
7	N.Velmurugan	II-MBA/III-semester Third rank (2012-2014)
8	Vanneyar Sudha D.Chokkalingam	I-MBA/I-semester First rank (2013-2015)
9	R.Parivarthanam	I-MBA/I-semester Second rank (2013-2015)
10	S.Durga	I-MBA/I-semester Third rank (2013-2015)
11	R.Gomathi Deepika	I-MBA/I-semester Third rank (2013-2015)
12	V.Kumaresan	II -MBA -100%Attendance in III- Semester (2012-14)
13	R.Chidhambaravalli	II- MBA -100%Attendance in III- Semester (2012-14)
14	K.Suganya	II- MBA -100%Attendance in III -Semester (2012-14)
15	R.Parivarthanam	I- MBA -100%Attendance in I -Semester (2012-14)

24. List of eminent Academicians and Scientists / Visitors to the department

Academic Year	Details of Resource Person
2011-2012	Mr.P.Saravanel, ML Notary Lawyer ,Thajanvur
2012-2013	Dr.S.Suja,MBA,M.Phil,Ph.D Director, Paavai Group of Institutions, Namakkal.
2013-2014	Dr.T.Sarathy,B.E,MBA,Ph.D Professor in Management, Periyar University, Salem

**25. Seminars/ Conferences/Workshops organized and the source of funding
(National / International):**

S.No	Topic	Conference/ Seminar/ Workshop	Resource Person	Source of Funding
1	Entrepreneurial Development Programme	National Level Workshop	Mr.S.Fazl Ali	Management
2	Strategic Management: An Outline	National Level Seminar	Mr.A.B.Sivakumar	Management
3	Financial Education for Young Investors	National Level Workshop	Mr.J.M.Velmurugan	Management
4	Research Methods Using SPSS	National Level Workshop	Prof.P.Murugesan	Management
5	Human Resource Development Practices in India	National Level Workshop	Dr.N.S.Shibu	Management
6	Operations Management : Overview	National Level Seminar	Dr.A.Ashok Kumar	Management
7	Research Development Programme on Analytics for MBA Students	National Level Seminar	Dr.K.V.Ramanathan	Management
8	Be an Informed Investor	National Level Workshop	Dr.CMA.T.K.Sridhar	Management
9	Financial Planning for Young Investors	National Level Workshop	Mr.S.Prasanna	Management
10	Logistics & Supply Chain Management	International Level Workshop	Dr.L.Karthikeyan	Management
11	Batch Inaugural & Orientation Programme	National Level Seminar	Er.N.Krishnakumar	Management

26. Student profile programme / course-wise:

Name of the Course/Programme (refer question no. 2)		Applications received	Selected	Enrolled		Pass Percentage
				Male	Female	
M.B.A	2009-2011	110	110	71	39	93
	2010-2012	119	117	75	42	87
	2011-2013	76	76	45	31	58
	2012-2014	66	66	42	24	32
	2013-2015	83	81	44	37	7.31

27. Diversity of students :

Name of the Course	Batch	Percentage of students from the Same State	Percentage of students from other States	Percentage of students from Abroad
M.B.A	2009-2011	62%	38%	-
	2010-2012	69%	31%	-
	2011-2013	84%	16%	-
	2012-2014	91%	9%	-
	2013-2015	95%	5%	-

**28. How many students have cleared national and state competitive examinations such as
NET, SLET, GATE, Civil services, Defense services, etc.?**

Competitive Exam	No. of students Qualified
TNPSC	1

29. Student progression :

Student Progression	Percentage Against Enrolled				
	Batch 2009-2011	Batch 2010-2012	Batch 2011-2013	Batch 2012-2014	Batch 2013-2015
UG to PG	-	-	-	-	-
PG to M.Phil.	-	1	-	-	-
PG to Ph.D.	-	-	1	-	-
Ph.D. to Post-Doctoral	-	-	-	-	-
Employed					
➤ Campus selection	32	36	68	42	-
➤ Other then campus recruitment	58	46	32	55	
Entrepreneurs	10	18	-	3	-

30. Details of Infrastructural facilities :**a) Department Library**

Department	Room Type	Room Id	Area of Room in Sq.m
PG-MBA	Department Library	L1	3128.42

b) Internet facilities for Staff & Students

Area (sq.m)	Capacity	Internet Speed
2097.02	80	16 Mbps

c) Class rooms with ICT facility**Norms for Class Rooms Capacity**

Area (sq.m)	Capacity
66	60

Class Rooms available in the M.B.A

Level	Room Type	Room Id	Area of Room in Sqm
P.G	Class room	M.B.A-H1	572
P.G	Class room	M.B.A-H2	572
P.G	Class room	M.B.A-H3	572
P.G	Elective Hall	M.B.A-E1	572
P.G	Elective Hall	M.B.A-E1	572

d) Laboratories

- In respect of M.B.A. course the required area per laboratory shall be 66 sq.m for a batch of 60 students.

S.No	Name of the Laboratory	Area of the laboratory available (sq.m.)
1	Business Application Software	2097.02
2	Data Analysis & Business Modeling	2097.02

31. Number of students receiving financial assistance from college, university, government or other agencies :

Year	SC/ST Scholarship	Farmer Scholarship	Other Agencies
2009-2011	-	-	-
2010-2012	-	-	-
2011-2012	-	-	1
2012-2013	1	-	-
2013-2014	31	26	3

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts :

Year	Details of Seminars / Workshops / Conferences	External Experts
2011-2012	HR Concept :Work Life Balance	Dr.P.Mohanraj, Professor &Head/MBA, Chettinad College of Engineering & Technology, Karur
2012-2013	Research Methods Using SPSS	Prof.P.Murugesan Founder & CEO, Tulsi Consultancy Services Pvt, Ltd, Chennai
	Human Resource Development Practices in India	Dr.N.S.Shibu, Professor, Bharathidasan University College, perambalur
	Operations Management -An Overview	Dr.A.Ashok Kumar, Professor in Management, Knowledge Institute of Management, Salem
	Research Development Programme on Analytics for MBA Students	Dr.K.V.Ramanathan Associate Professor Dayananda Sagar Business School, Bangalore
2013-2014	Be an Informed Investor	Dr.CMA.T.K.Sridhar Director, Singar Academy, Trichy
	Financial Planning for Young investors	Mr.S.Prasanna, Assistant Professor, Srinivasan Engineering College, Perambalur
	Logistics & Supply Chain management	Dr.L.Karthikeyan, Professor in Management Studies, Manipal University, Dubai Campus, UAE
	Entrepreneurial Skill Development	Mr. Fazal Ali, General Manager, District Industrial Center, Ariyalur
	Strategic Management –An outline	Mr. A.B Sivakumar HRD-Manager, Breaks India Ltd, Chennai
	Financial Education for Young Investors	Mr.J.M.Velmurugan, Associate Professor, Bharathidasan University College, Trichy.
	Motivation	Dr.S.Suja, Director, Pavai Group of Institutions, Namakkal
2013-2014	Statistical Package for the Social Sciences offered as a certificate course	Ms.S.S.Priyanka, Assistant Professor, Dhanalakshmi Srinivasan Engineering College, Perambalur.

33 .Teaching methods adopted to improve student learning

- The students are treated as future managers and they are asked to act in an activity - role play in which they are in position of manager of a corporate.
- The concept taught to them in class is practiced through case studies.
- The students are provided with In-Basket Exercises/In-Tray Method and they are asked to solve the Problems and the decisions are compared with the others and the best will be selected.
- Faculties are sensitive to innovative teaching-learning practices. Majority of the teachers use student-centric practices for teaching-learning.
- Group seminars, student presentations, projects works, class room quiz activities, group discussions, management game, exhibitions and field trips are part of the teaching-learning dynamics.
- Students are grouped and allocated with specific task and asked to work in teams, in order to motivate their leadership and to encourage their co-ordination and co-operation towards the work.
- Course plan, Course materials and notes are provided to the students.
- Black board presentation, OHP Presentation, Power Point Presentation and Study on Models.
- E-learning resources like video lectures are given to the students.
- Library references, journals and internet facilities are provided.
- Guest lectures, Workshops and Seminars are frequently conducted.
- For the Enrichment of students, Assignments, Slip Tests and Quizzes are organized.
- Students are asked to take part in Industrial visits, In-plant training, Field visit, Student's internship and In house projects.
- Class committee meetings and counseling hours for the welfare of the students.

34. Participation in Institutional social responsibility (ISR) and Extension activities:

- In MBA department the consumer day is celebrated, where our students create awareness to the general public about the quality, usage, availability & fair price of the product.
- Training program conducted for SHG towards the enrichment of Self Employment for (3 days).
- Awareness of credit facilities available for the self help groups are explained.
- Agro based training program provided for farmers through ED Cell (2 days).

- Industrial Pollution Awareness Program is conducted to the General Public.
- Eradication of Child Labour awareness Program is conducted for the welfare of the public.
- Business opportunities for Women SHG is done at free of cost.

35. SWOC analysis of the department and future plans:

Strengths:

- Highly qualified, experienced and committed faculty members.
- Highly reputed infrastructure for learning.
- Good staff-student relationship.
- Well disciplined and hard working students.
- Separate building for the department and well equipped library.

Opportunities:

- Students participated in many co-curricular and extra-curricular activities in the campus to improve the communication skills and leadership qualities.
- Improvement on performance with NAAC Procedures.
- Innovation in teaching learning process.
- Effective organizational structure.
- Continuous knowledge updating.
- Revision of Curriculum (Whenever needed).

Weaknesses:

- Most of the students are from rural areas, and lagging behind in communication skills.
- Consultancy work to be improved.
- Weak in research, extension, and consultancy services.

Challenges:

- Students with diverse background.
- Balancing administrative and academic load.
- Adapting to change in student expectations.
- Journal publications of the staff members are to be increases.
- Bringing more Entrepreneurs.
- Campus placement to be improved to a higher level.

Future plans of the department:

- Planning to organize funded seminars.
- Planning to improve the consultancy works.
- Planning to extend the class infrastructure with air conditioned rooms.
- To increase the number of Ph.D scholars.
- To achieve 100% placement.
- Improve the Industry- Institute Interaction and to mould the students to the level of industrial needs.
- Planning to develop young entrepreneurs.
- Planning to bring more industrial experts for motivating the students.
- Planning to make all faculties to qualify for higher degrees, like Ph.D.

10. DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

1. **Name of the Department :** MASTER OF COMPUTER APPLICATIONS
2. **Year of Establishment :** PG: 2005
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

Programmes offered
Master of Computer Applications (PG)

4. **Names of Interdisciplinary courses and the departments / units involved :**

S.No.	Courses offered by other Departments	Departments involved
1	MA9221/Mathematical Foundations of Computer Science MC9242/Resource Management Techniques	Science & Humanities
2	MC9232/Microprocessor and Its Applications MC7302/ Embedded Systems	Electronics and Communication Engineering
3	MC9215/Accounting and Financial Management	Master of Business Administration
4	MC7113/ Communication Skills and Development Lab	Science & Humanities

5. **Annual / semester/choice based credit system (Programme wise):**
Choice Based Credit System for PG Programmes.
6. **Participation of the department in the courses offered by other departments :**

S.No.	Courses offered to other Department	Departments involved
1	GE2112/ Fundamentals of Computing	Mechanical Engineering
2	1.GE2112/ Fundamentals of Computing 2.CS2068/ Object Oriented Programming	Bio Medical Engineering
3	BA9225/ Management Information Systems	Master of Business Administration

7. Courses in collaboration with other universities, industries, foreign institutions, etc. :

S.No.	Course	Participating institution / industry
1	Campus Connect Programme	TCS Chennai, SriRam Values Trichy
2	Android Training Programme	EC-Cube, Bangalore
3	DB2 Associate	International Business Machines, Bangalore
4	Distributed and Parallel Computing	University of Gondar, Ethiopia.
5	Placement Training	KeyMinds, SMART, Asset, Transtaff Coimbatore.

**8. Details of courses / programmes discontinued (if any) with reasons :
NIL**

9. Number of teaching posts :

Designation	Sanctioned	Filled
Professor	02	02
Associate Professors	05	05
Assistant Professors	18	18

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.) :

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Mr. R.Govindasamy	MCA. M.Tech.,	Professor	Networks	13 Years 8 Months	-
Mr. V.Raju	MCA.,	Professor	Data Mining Data Warehousing	16 Years 10 Months	-
Mr. M.Rajakumar	MCA, M.Phil.,	Associate Professor	Artificial Intelligence	12 Years 6 Months	-
Mr. M.Shaik Alavudeen	MCA, M.Phil.,	Associate Professor	Mobile Computing	12 Years 6 Months	-
Mr. M.Rajendran	MCA.,	Associate Professor	Networks	10 Years 5 Months	-
Mrs. R.Ezhilarasi	MCA.,	Associate Professor	Database Systems	11 Years 8 Months	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Mr. W.Yesudass	MCA, M.Phil.,	Associate Professor	Algorithms	6 Years 6 Months	-
Mr. A. Manimaran	MCA, M.Phil.,	Assistant Professor	Cloud Computing	3 Years 7 Months	-
Mr. P.Arun Kumar	MCA.,	Assistant Professor	Hardware & Networks	4 Years 8 Months	-
Ms. S.Jegatha	MCA, M.Phil.,	Assistant Professor	Distributed Systems	2 Years 8 Months	-
Ms. S.P.Saranya	MCA.,	Assistant Professor	Data Mining Data Warehousing	1 Year 7 Months	-
Ms. E.Sathiya	MCA.,	Assistant Professor	Software Engineering	1 Year 7 Months	-
Mr. M.Vinoth	MCA.,	Assistant Professor	Software Engineering	1 Year 7 Months	-
Ms. D.Ramya	MCA.,	Assistant Professor	Networks	1 Year 7 Months	-
Ms. R.Anitha	MCA.,	Assistant Professor	Neural Networks	1 Year 7 Months	-
Ms. V. Anitha	MCA.,	Assistant Professor	Software Engineering	5 Years 1 Month	-
Mrs. G. Bhagirathi	MCA.,	Assistant Professor	Artificial Intelligence	7 Months	-
Mrs. S.Vanitha	MCA.,	Assistant Professor	Software Engineering	7 Months	-
Ms. R.Sathya	MCA.,	Assistant Professor	Neural Networks	7 Months	-
Mrs. P.Uma Maheswari	MCA.,	Assistant Professor	Cloud Computing	7 Months	-
Mr. M.Mohanraj	MCA.,	Assistant Professor	Database Systems	7 Months	-
Mr. P.Venkatesan	MCA.,	Assistant Professor	Database Systems	7 Months	-
Mr. A.Sudhagar	MCA.,	Assistant Professor	System Analysis	1 Month	-
Mr. B.Vallalraj	MCA.,	Assistant Professor	Networks	1 Month	-
Mr. P.Dinesh	MCA.,	Assistant Professor	Software Engineering	1 Month	-

11. List of senior visiting faculty :

Name of the visiting Faculty	Qualification	Working Organization
Mr. P. Balamurugan	MCA	TCS, Chennai.
Mr.V. Murugan	MCA	CTS, Chennai.
Dr.(Selvi) S. Ambal	M.Sc,M.Phil,MCA.,P.h.D	Retired Professor, Govt. College, Ooty.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty :

Program	% Class Handled By Temporary Faculty
MCA	12

13. Student Teacher Ratio (Programme-wise) :

Programme	Student Teacher Ratio	
	As per norms	In Operation
MCA	15:1	15:1

14. Number of academic support staff (technical) and administrative staff sanctioned and filled :

Staff details	Sanctioned	Filled
Technical Staff	03	03
Administrative Staff	01	01

15. Qualification of teaching faculty with DSc/ D.Litt/ Ph.D/M.Phil/PG :

Qualification	No of Faculty
M.Phil	5
PG (M.C.A / M.Tech)	20

16. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received :

From our department, five faculty members have applied with various proposals to the funding agencies (Government) such as AICTE, DRDO. The funding is awaited. Project work from private agency is undertaken.

Project title	Funded by	Total Grant received	Status of the Project
Payroll Processing	Dhanalakshmi Srinivasan Chitfund Private Ltd	1,00,000	Ongoing

17. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; and total grants received:

Project title	Funded by	Total Grant received	Status of the Project
Office Automation System	EC CUBE, Bangalore.	1,50,000	Completed
Inventory Management System	Sumangali Fancy Stores, Pennadam.	1,35,000	Completed
Hospital Management System	Banumathi Medical Centre, Viruthachalam.	1,10,000	Completed
Transport Management System	KBT Transports, Perambalur.	70,000	Completed

18. Research centre / facility recognized by the University :

We have applied for research centre under Anna University.

19. Publications:

• **Publication per faculty:**

Name of the Staff	National Publications	International Publications
Mr.R.Govindasamy	1	1
Mr. A. Manimaran	1	-

- Number of papers published in peer reviewed journals (national / international) by faculty and students :

Name of the Faculty/Student	Journal	Paper Title	Volume, Year
2013-2014			
Mr.R.Govindasamy	IJAIR (Impact Factor 0.349)	Novel Approach For Handling Selfishness In Mobile Ad Hoc Network	Vol. 2, Issue 3 March 2013

- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.)
- Monographs : -
- Chapter(s) in Books : 5

- Books Edited : -
- Books with ISBN / ISSN numbers with details of publishers-
- Name of the Book : Object Oriented Programming
- ISBN No : 978-93-5163-046-3
- Publisher : Thakur Publishers, Chennai
- Citation Index : Nil
- SNIP : Nil
- SJR : Nil
- h-index : Nil

20. Areas of consultancy and income generated :

Year	Name of the Consultancy	Area Consultancy	Income (Rs.)
2010-2011	Omsakthi Enterprises, Pondicherry .	Business	1,50,000
2011-2012	Swathi Enterprises, Neyveli.	Transport and Contract	1,35,000
2012-2013	KBT Agencies Virudhachalam	Business	1,10,000

The department also provides consultancy to rural poor students, free of cost.

21. Faculty as members in a) National Committees b) International Committees c) Editorial boards, etc., :

Name of Faculty	Membership / Committee
Mr. R.Govindasamy	Computer Society of India & Indian Society for Technical Education
Mr.M.Rajakumar	Indian Society for Technical Education

22. Student projects :

- Percentage of students doing projects in collaboration with industries / institutes

Academic Year	% of in house projects	% of industrial projects
2005-2008	90%	10%
2006-2009	75%	25%

Academic Year	% of in house projects	% of industrial projects
2007-2010	85%	15%
2008-2011	90%	10%
2009-2012	70%	30%
2010-2013	80%	20%

23. Awards / recognitions received by faculty and students :

Achievement by Faculty members:

Academic Year	Achievement
2009-2010	10 Faculty have been awarded by management for above 95% Results
2010-2011	8 Faculty have been awarded by management for above 95% Results
2011-2012	7 Faculty have been awarded by management for above 95% Results
2012-2013	5 Faculty have been awarded by management for above 95% Results

Achievement by Students:

Batch	Name of the Student	Rank
2007-2010	Mangaiyarkarasi V	5
	Sailaja Jampani J	5
	Poornima R	23
	Nithya K	29
	Yasin P	43
	Hemalatha A	45
2008 -2011	Sangeetha R	2
	Radha Shalini R	5
	Swapna Ragi G	36
	Ramakrishnan T	39
	Manikandan K	44
	Anupriya T	48
	Parvatham G	50
	Poonkuzhali V	50
2009-2012	Ameena Begam R	26
	Kavitha P	36
	Divakar J	36
	Nithyapriya R	37
	Balaji S	42

Batch	Name of the Student	Rank
	Hemavathy M	5
2010-2013	Inbaraj V	18
	Rajeswari E	23
	Priyadharshini A	35
	Shakila C	37
	Abdul Safiq B	38
	Kalpana S P	43

Academic Year	Name of the Student	Organizing Institution	Name of the Event	Recognition/ Award Received
2007-2008	V.K.Varala and Divya.K.Vijiayan	Dhanalakshmi Srinivasan College of Arts & Science for Women	Paper Presentation	1 st Prize
	R.Ranjith Kumar	Nesamony Memorial Christian College	Software Contest	2 nd Prize
2008-2009	P.Ramachandran and M.Saravanan	P.R Engineering College	Technical Quiz	1 st Prize
2009-2010	S.Sivaranjini and Sailaja Jampani	Dhanalakshmi Srinivasan Engineering College	Technical Quiz	1 st Prize
	R.Sangeetha		Creatise Inscription	1 st Prize
	J.Divakar	Chettinad College of Engineering & Technology, Puliur	National Level Technical Symposium	3 rd Prize
2011-2012	B.Abdul Shafiq and V.Inbaraj	Dr.Navalar Neduchezhiyan College of Engineering, Tholudur.	Technical Quiz	1 st Prize
	C.Angamuthu	Srinivasan Engineering College, Perambalur	Brainstrom	1 st Prize
	R.Baskar	Srinivasan Engineering College, Perambalur	Code Blaster	1 st Prize
2012-2013	E.Anbarasan	Dhanalakshmi	Multimedia	2 nd Prize

Academic Year	Name of the Student	Organizing Institution	Name of the Event	Recognition/ Award Received
	and M.Mahalingam	Srinivasan Engg. College, Perambalur	Presentation	
	C.M.Subramani and P.Thomatharan	Srinivasan Engineering College, Perambalur	Multimedia Presentation	1 st Prize
	D.Nithya, S.Vaishnavi , R.Hemalatha, and J.Kayalvizhi	Dhanalakshmi Srinivasan Engineering College, Perambalur	AD-ZAP	2 nd Prize

24. List of eminent academicians and Scientists / Visitors to the department :

Year	Name	Designation	Institution/Organ ization
2009-2010	Mr.G.Ramesh Kumar	Software Engineer	TCS, Chennai.
	Mr.R.Muthu Kumar	Senior Project Leader	HCL, Chennai.
2010-2011	Dr.S.Sujatha	HOD/MCA	BIT Campus, Trichy.
	Dr. B.L. Shivakumar	Professor	Sri Ramakrishna Engg. College, Coimbatore.
2011-2012	Mr.M.Veeramuthu	Software Engineer	HCL, Chennai.
2012-2013	Dr.Gopi	Assistant Professor	School of Computer Science, Bharathidasan University, Trichy.

25. Seminars/ Conferences/Workshops organized and the source of funding (National / International):

Academic year	Details of seminars / Workshops / Conferences		Source of Funding
2010-2011	Technical Workshop	Case Tools Lab	I-Spiders Software Development, Trichy.
	Seminar	Distributed Systems	M/s. Sathiya Info. Tech., Perambalur.
	National Level Conference	Computer Applications in Trade, Education and Research	Management
2011-2012	Technical Workshop	Mobile Computing	Poras Technologies India Ltd., Coimbatore.
	Technical Workshop	Ad-HOC Networks	Green Soft Technologies, Chennai.
2012-2013	National Level Technical Symposium	Logica	Visiware Technologies, Chennai.
	National Level Conference	Computer Applications in Trade, Education and Research	Management
2013-2014	National Level Technical Symposium	Logica	M/s. Vedha Technologies, Trichy.

26. Student profile programme / course-wise:

Name of the Course (refer question no. 2)	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
P.G/ MCA (2007-2010)	117	115	64	51	99.13
P.G/ MCA (2008-2011)	66	64	38	26	98.43
P.G/ MCA (2009-2012)	84	83	48	35	97.5
P.G/ MCA (2010-2013)	90	89	42	47	91

27. Diversity of students :

Name of the Course	% of students from the State	% of students from other States	% of students from Abroad
P.G (2010-2013)	98%	2%	-
P.G (2011-2014)	98%	2%	-
P.G (2012-2015)	99%	1%	-
P.G (2013-2016)	97%	3%	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

One Student has been selected for Govt. Posting (Police Service).

29. Student progression :

Student progression	Against % enrolled			
	2010-2011	2011-212	2012-2013	2013-2014
PG to M.Phil.	13%	25%	35%	-
PG to Ph.D.	8%	10%	12%	-
Ph.D. to Post-Doctoral	-	-	-	-
Employed				
• Campus selection	63%	32%	37%	47%
• Other than campus recruitment	22%	25%	28%	35%
Entrepreneurship / Self-employment	12%	15%	17%	-

30. Details of Infrastructural facilities:

- (a) Library- library with Total volumes of 500 Volumes, 7 National and International E-Journals. (Department also maintain separate library apart from Central library)
- (b) Internet facilities for staff and students:
- ❖ Dedicated computing facility: 240 Systems with Internet Connectivity
 - ❖ Wi-Fi facility (BROVIES,CPLINK,UBNT & ENGINNERS Wireless device) Configuration
 - ❖ LAN Facility: 100/1000 Mbps
 - ❖ Internet Speed : 32 Mbps
 - ❖ Service Provider : BSNL (16 Mbps),
- (c) Class rooms with ICT facility: The department has 5 class rooms.
- (d) Laboratories: The department has 3 Computer Laboratories.

Name of the Laboratory	Total No. of Systems	Seating Capacity	System Configuration
Computer Lab-II(Pink)	80	80	Processor: Intel Core I3-3220@3GHZ RAM:2GB Hard Disk:500 GB Monitor :Lenovo 18.5 Inch Keyboard: USB Lenovo Mouse: Optical Mouse Lenovo Cache : 3 MB L3 Cache
Computer Lab-III(Orange)	80	80	
Computer Lab-IV(Green)	80	80	

31. Number of students receiving financial assistance from college, university, government or other agencies :

Academic Year (2013 – 2014)	No. of Students (SC/ST/Others)
I-Year	11
II-Year	8
III-Year	7

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts :

Year	Details of Seminars / Workshops / Conferences	External Experts
2009-2010	Guest Lecture on “Case Tools”	Dr C.Muthu, Professor, St.Joseph College, Trichy.
	Technical Workshop on “Linux”	Mr. N. Palanivelraj, Team Leader, Wipro Ltd, Mysore.
	Seminar on “Distributed Systems”	Dr.V. Lakshmanan Gomathy Nayagam, Senior Lecture, NIT Trichy.
	National Level Conference on Computer Applications in Trade, Education and Research	Dr.K.Vivekanandhan, Professor & Head., Pondicherry Engg. College.
		S.Sri Sai Ganesh, Senior Software Engineer, HP Products, Bangalore.
2010-2011	Guest Lecture on “Object Oriented Analysis and Design”	Mr.N.Vijayaraj, Lecturer/IT, Sriangalamman College of Engg Tech,Trichy.
	Technical Workshop on “Case Tools Lab”	Mr. D.Ravindran, Associate Professor, St.Joseph College, Trichy.

Year	Details of Seminars / Workshops / Conferences	External Experts
2010-2011	Seminar on Distributed Systems	Dr.V.Jayaraj, Asst.Prof./ MCA, Periyar Maniammai University, Vallam, Tanjore.
	National Level Conference on Computer Applications in Trade, Education and Research	Dr.G.Gunasekaran, Prinicpal, Meenakshi College of Engineering, Chennai.
2011-2012	Guest Lecture on “Data Mining and Data Warehousing”	Mr.G.Ramesh, Chief executive Officer, Bravosoft Solution, Chennai.
	Technical Workshop on “Mobile Computing”	Mr.Dhaksinapillai, Senior Software Architect, Mahindra Satyam, Banglore.
	Technical Workshop on “Ad-HOC Networks”	Mr.Ganapathi Jayaraman, Senior Architect/Manager, Dell System Corporation, Banglore.
2012-2013	Seminar on Distributed Systems	Dr.A. Subramani Prof. & Head./MCA, KSR College of Engineeirng College, Tiruchengode.
	National Level Conference on Computer Applications in Trade, Education and Research	Mr.TM Raguraman, Assisitant Vice-Prisedent, MPHASIS, Chennai.
	National Level Technical Symposium	Dr.R.Kanthavel, Professor, Govt.College of Engineering, Tirunelveli.
2013-2014	ISPIDERS-13	Mr.N.Nishanth Vidhyadharan Nair, HR Manager, Chennai.
	National Level Technical Symposium	Dr.M.Durairaj, Asst. Professor, Bharathidasan University, Trichy.
		Mr.K.Karthik, Manager-Projects, EC-CUBE, Bangalore.

33. Teaching methods adopted to improve student learning:

MCA department is keen on making the students to survive against political, economic, social and technological pressures and make them aware of their future social roles. The departmental faculty used to give lectures, to make learning environment more interactive, to integrate technology into the learning experience, and to use appropriate collaborative learning strategies.

Some of the more prominent strategies of our department are outlined below:

- Teaching methodologies like black board presentation, OHP presentation and PowerPoint presentations.
- E-learning resources like NPTEL and other Video lectures.
- Students are advised to use Library references, journals, DELNET and Internet facilities.

Also the department is conducting various seminars, workshops and Guest Lectures in current technologies to make our students gain more knowledge. Along with this, visit to various industries and field trips to gain more practical knowledge are arranged.

MCA department used to get feedback about the performance of teachers to evaluate the needs for students'. Assignments, slip test, quiz are the regular activities for students to study and learn effectively.

In consultation our department students and the staff members are coordinating to identify effective teaching methods and materials to meet the students' needs without compromising the teaching objectives and learning outcomes.

34. Participation in Institutional social responsibility(ISR) and Extension activities :

- ❖ Computer Training Programme for Police & Revenue officials.
- ❖ Summer Course for Govt. High School Students near to Perambalur.
- ❖ Basic Computer Training programs for Self Aided Groups in Perambalur District.
- ❖ Participation in NSS, YRC, etc.,

35. SWOC analysis of the department and future plans :

Strengths:

- ❖ Department has competent team of experienced faculty supported with non-teaching crew.
- ❖ Infrastructure of the department is amply provided with furnished class rooms and well equipped laboratories with necessary software's and internet facilities catering to the needs of our students.
- ❖ Separate Hostel facilities for boys and girls.
- ❖ Arranging guest lectures on various technologies like cloud computing, Distributed systems etc.
- ❖ Placements from reputed companies like TCS, CTS, etc.
- ❖ Students are encouraged to participate in the National seminar, Technical symposium and conferences to expose them to the latest

development in the field of emerging technologies.

- ❖ Students are encouraged to participate the various sports events at inter-collegiate, state and national levels.
- ❖ Faculty Members of our department are producing good result in the Anna University Examinations.

Weaknesses:

- ❖ At present our department is concentrating only on upgrading educational level, for the future. The department is going to motivate faculty to do more research work.
- ❖ Weak in research, extension and consultancy.

Opportunities:

- ❖ To start research center.
- ❖ To establish MoU's with nearby research institutes and industries.
- ❖ To organize more campus interviews.
- ❖ To start digital laboratory.

Challenges:

- ❖ College located in developing rural area.
- ❖ Globalization and Privatization of Education

Future plans:

- ❖ Motivating the staff & students for funded and research projects.
- ❖ Creating awareness about the entrepreneurship.
- ❖ Faculty members are motivated and encouraged to register for Ph.D.

11. DEPARTMENT OF SCIENCE AND HUMANITIES

1. **Name of the Department** : SCIENCE AND HUMANITIES
2. **Year of Establishment** : 2001
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**

Programmes offered
General Engineering (UG - First Year)

4. **Names of Interdisciplinary courses and the departments / units involved:**

S.No.	Courses offered by other Departments	Departments involved
1	GE6152 / Engineering Graphics GE6251/Basic Civil and Mechanical Engineering GE6253/ Engineering Mechanics GE6162/ Engineering Practices Laboratory GE6261/ Computer Aided Drafting and Modeling Laboratory	Mechanical Engineering
2	EE6201/Circuit Theory EC6202/Electronic Devices and Circuits EC6211/Circuits and Devices Laboratory Digital Laboratory	Electronics and Communication Engineering
3	EE6201/Circuit Theory, GE6252/Basic Electrical and Electronics Engineering, GE6162/Engineering Practices Laboratory	Electrical and Electronics Engineering
4	GE6152/Engineering Graphics, GE6251/Basic Civil and Mechanical Engineering	Aeronautical Engineering
5	EC6202/Electronic Devices and Circuits	Bio-Medical Engineering
6	GE6151/Computer Programming, GE6161/Computer Programming Laboratory	Computer Science and Engineering & Information Technology

5. Annual/ semester/choice based credit system (Programme wise):
 ➤ Choice based credit system is followed.
6. Participation of the department in the courses offered by other departments

S.No.	Courses offered to other Department	Departments
1	MA2211/Transforms and Partial Differential Equations MA2264/Numerical Methods GE2021/GE2211/Environmental Science and Engineering GE2723/Communication Skills Laboratory	Aeronautical Engineering
2	MA2211/Transforms and Partial Differential Equations MA2261/Probability and Random Process GE2021/GE2211/Environmental and Science Engineering GE2723/Communication Skills Laboratory	Biomedical Engineering
3	MA2211/Transforms and Partial Differential Equations MA2264/Numerical Methods GE2723/Communication Skills Laboratory	Civil Engineering
4	MA2211/Transforms and Partial Differential Equations MA2266/Statistics and Numerical Methods GE2021/GE2211/Environmental Science and Engineering GE2723/Communication Skills Laboratory	Mechanical Engineering
5	MA2211/Transforms and Partial Differential Equations MA2261/Probability and Random Process MA7158/Applied Mathematics for Communications Engineers GE2021/GE2211/Environmental Science and Engineering NE9223/Graph Theory Network Engineering GE2723/Communication Skills Laboratory	Electronics and Communication Engineering
6	MA2211 /Transforms and Partial Differential Equations MA2264/Numerical Methods MG1403/Operation Research	Electrical and Electronics Engineering

S.No.	Courses offered to other Department	Departments
	MA7163/Applied Mathematics for Electrical Engineers GE2021/GE2211/Environmental Science and Engineering GE2723/Communication Skills Laboratory	
7	MA2211/Transforms and Partial Differential Equations MA2262/Probability and Queuing Theory MA2265/Discrete Mathematics MA7155/Applied Probability and Statistics CP7201/Theoretical Foundation of Computer Science GE2021/GE2211/Environmental Science and Engineering GE2723/Communication Skills Laboratory	Computer Science Engineering
9	BA9201/Statistics for Management BA7206/Applied Operations Research BA6122/Operations Research for Management GE2723/Communication Skills Laboratory	Master of Business Administrations
10	CA5251/Resource Management Technique MA9221/Mathematical Foundation of Computer Science GE2723/Communication Skills Laboratory	Master of Computer Applications

7. Courses in collaboration with other universities, industries, foreign institutions, etc. :

S.No.	Course	Participating institution /industry
1	Technical English I &II	Head - Corporate HR & New Initiatives, Campus Corporate Centre, Jabalpur
2	Engineering Physics I & II	BITS, Pilani, Dubai Campus, Dubai, U.A.E.
3	Mathematics I & II	Kundhavai Nachiyar Govt. Arts College, Tanjore.
4	Engineering Chemistry I & II	Alagappa University, Karaikudi

8. Closures of courses / programmes discontinued (if any) with reasons :

NIL

9. Number of teaching posts :

Designation	Sanctioned	Filled
Professor	2	2
Associate Professors	13	13
Assistant Professors	53	53

10. Faculty profile with name, qualification, designation, specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.) :

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4 Years
T.Arunachalam	M.Phil.	Professor	Chemistry	10 years 6 months	-
J.Manivel	M.Phil.	Associate Professor	Chemistry	8 years 7 months	-
P.Srinivasan	M.Phil.	Associate Professor	Chemistry	7 years 6 months	-
P.Manikandan	M.Phil.	Assistant Professor	Chemistry	4 years 7 months	-
G.Muthukumaran	M.Phil.	Assistant Professor	Chemistry	2 years 7 months	-
M.Ramkumar	M.Phil.	Assistant Professor	Chemistry	2 years 6 months	-
S.Charumathy	M.Phil.	Assistant Professor	Chemistry	1 year 8 months	-
A.Sylvia	M.Phil.	Assistant Professor	Chemistry	1 year 6 months	-
A.Bhuvaneswari	M.Phil.	Assistant Professor	Chemistry	1 year 6 months	-
M.Balachandar	M.Phil.	Assistant Professor	Chemistry	1 year 6 months	-
B.Vishnupriya	M.Phil.	Assistant Professor	Chemistry	5 months	-
A.Venkatesan	M.Phil.	Assistant Professor	Chemistry	5 months	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4 Years
V.Sathish	M.Phil.	Assistant Professor	Chemistry	5 months	-
G.Muruganandham	M.Phil.	Associate Professor	English	8 years 6 months	-
G.Haribaskar	M.Phil.	Associate Professor	English	7 years	-
S.P.Visalakshi	M.Phil. SLET	Associate Professor	English	7 years	-
V.Akilandeswari	M.Phil.	Associate Professor	English	5 years 6 months	-
A.Pearlin Synthia	M.Phil.	Associate Professor	English	4 months	-
K.Karthikeyan	M.Phil.	Assistant Professor	English	3 years 8 months	-
V.Chandrachowdry	M.Phil.	Assistant Professor	English	4 years	-
R.Jayakumaran	M.Phil.	Assistant Professor	English	4 years	-
V.Arunkumar	M.Phil.	Assistant Professor	English	4 years	-
A.Karthikeyan	M.Phil.	Assistant Professor	English	4 years	-
S.Arjun	M.Phil. SLET	Assistant Professor	English	3 years	-
P.Dhanapalan	M.Phil.	Assistant Professor	English	1 year 4 months	-
S.Veeramani	M.Phil.	Assistant Professor	English	1 month	-
K.Jegan Babu	M.Phil.	Assistant Professor	English	1 year	-
V.Renganathan	M.A.,	Assistant Professor	English	6 months	-
K.Ganesan	M.Phil.	Professor	Mathematics	8 years 10 months	-
R.J.Ramesh Kumar	M.Phil. ,	Associate Professor	Mathematics	8 years 5 months	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4 Years
K.Balamurugan	M.Phil.	Associate Professor	Mathematics	6 years 5 months	-
R.Suganya	M.Phil.	Associate Professor	Mathematics	6 years	-
R.Selvakumari	M.Phil.	Associate Professor	Mathematics	9 years 6 months	-
J.Johnstephan	M.Phil.	Assistant Professor	Mathematics	4 years 5 months	-
R.Thilagavathi	M.Phil.	Assistant Professor	Mathematics	3 years 5 months	-
G.Pradeepa	M.Phil.	Assistant Professor	Mathematics	4 years 5 months	-
S.Kumar	M.Phil.	Assistant Professor	Mathematics	2 years 5 months	-
M.Shajahan	M.Phil.	Assistant Professor	Mathematics	4 years 6 months	-
A.Dinesh Kumar	M.Sc.,	Assistant Professor	Mathematics	1 year 6 months	-
T.Radha	M.Phil.	Assistant Professor	Mathematics	1 year 6 months	-
E.Gowri	M.Phil.	Assistant Professor	Mathematics	5 years 4 months	-
S.Sitrarasi	M.Phil.	Assistant Professor	Mathematics	1 year 4 months	-
G.Vijayaprabha	M.Phil.	Assistant Professor	Mathematics	1 year 4 months	-
K.Navapriya	M.Phil.	Assistant Professor	Mathematics	1 year 4 months	-
R.Rajalakshmi	M.Phil.	Assistant Professor	Mathematics	1 year 4 months	-
K.Jeyabal	M.Phil.	Assistant Professor	Mathematics	2 years 5 months	-
Sahaya Jernith	M.Phil.	Assistant Professor	Mathematics	5 months	-
E.Selvakumar	M.Phil.	Assistant Professor	Mathematics	5 months	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4 Years
C.Mattuvar Kuzhali	M.Phil.	Assistant Professor	Mathematics	5 months	-
P.Baskar	M.Phil.	Assistant Professor	Mathematics	5 months	-
S.Sophiya	M.Phil.	Assistant Professor	Mathematics	1 year	-
E.Krithika	M.Phil.	Assistant Professor	Mathematics	1 year	-
G.Chandrasekar	M.Phil.	Assistant Professor	Mathematics	1 year	-
M.Govindarajan	M.Phil.	Associate Professor	Physics	7 years 4 months	-
M.Bhuvaneswari	M.Phil.	Associate Professor	Physics	7 years 10 months	-
A.Ravikumar	M.Phil.	Assistant Professor	Physics	3 years months	-
K.Kalyani	M.Phil.	Assistant Professor	Physics	2 years 7 months	-
S.Rajivgandhi	M.Phil.	Assistant Professor	Physics	2 years 7 months	-
T.Vijayaprabha	M.Phil.	Assistant Professor	Physics	1 year 7 months	-
K.Subramanian	M.Phil.	Assistant Professor	Physics	1 year 7 months	-
A.Philomin Freeda	M.Phil.	Assistant Professor	Physics	1 year 7 months	-
C.V.Rajha Rajesvari	M.Phil.	Assistant Professor	Physics	5 months	-
S.Infant Solomon Vinoth	M.Phil.	Assistant Professor	Physics	5 months	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4 Years
R.Selvam	M.Phil.	Assistant Professor	Physics	5 months	-
A.Robert Xavier	M.Phil.	Assistant Professor	Physics	5 months	-
K.Murugavel	M.Phil.	Assistant Professor	Physics	1 year	-
S.Rajarajan	M.Phil.	Assistant Professor	Physics	1 year	-
N.Vijayalakshmi	M.Phil.	Assistant Professor	Physics	1 year	-

11. List of Senior Visiting Faculty :

Name of the visiting Faculty	Working Organization
Dr. A. C. Chandrasekaran	Reader, Government Arts & Science College, Attur, Salem.
Dr.V.Alex Ramani	Associate Professor, St. Joseph's College, Trichy.
Dr.D.Ilangeswaran	Assistant Professor , Rajah Serfoji College , Thanjavur
Dr.S.Valarselvan	Assistant Professor, The H.H Raja's College , Pudukkottai

12. Percentage of lectures delivered and practical classes handled (Programme wise) by temporary faculty : 19.11%

- Lectures and Practical classes handled by the department by permanent and probationary faculty members.

13. Student Teacher Ratio(Programme-wise) :

Programme	Student Teacher Ratio	
	As per norms	In operation
UG	15:1	11:1

14. Number of academic support staff (technical) and administrative staff sanctioned and filled :

Designation	Sanctioned	Filled
Technical Staff	03	03
Administrative Staff	01	01

15. Qualification of teaching faculty with DSC/ D.Litt/ Ph.D/M.Phil/PG:

Qualification	No. of Faculty
PG with M.Phil	68*

***Two of them are pursuing M.Phil.,**

16. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received

- Two faculty members are doing their projects with funding by private agency.

Project Title	Funded by	Total Grants Received	Faculty Name	Status of the Project
Blood Flow Behavior in Catheterized Artery: Unsteady Case	Dhanalakshmi Srinivasan Medical College and Hospital, Perambalur.	45000	Dr. K. Ashok, C.Narayanan, & R. J. RameshKumar	Ongoing

17. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; and total grants received

Project Title	Funded by	Total Grants received	Status of the Project
Preparation of Solar Panels Using Semiconducting Materials	Infinity Solar Solutions Private Ltd, Chennai	3 Lakhs	Completion Stage
Analysis of Ground Water in an Around Perambalur District	Ion Exchange India Ltd., Chennai.	1.75Lakhs	In Process
Blood Flow Behavior in Catheterized Artery: Steady Case	Dhanalakshmi Srinivasan Medical College and Hospital, Perambalur.	32000	Completed

18. Research centre / facility recognized by the University

Nil

18. Publication per faculty

Name of the Staff	National Publications	International Publications
K. Karthikeyan	-	7
T. Arunachalam	-	4
S. Rajivgandhi	-	1

Number of papers published in peer reviewed journals (national / international) by faculty and students:

Name of the Faculty/Student	Journal	Paper Title/ I.F/h-Index	Volume, Year
K. Karthikeyan	International Journal of Contemporary Vibes	The Second Great Depression of America	19 – 20 & 5, 2010
	International Journal of Contemporary Vibes	Twentieth Century American Society and Politics in the select Novels Dos Passos	55-56 & 6, 2011
	IJELLS	The Loss of Individualism in American Society: Dos Passos	23-27 & 5, 2013
	International Journal of the Criterion	Women and Society in Twenty first Century Literature	Issue – 12, 2013
	RIJSS	Importance of English Language in Communication	46-52 & 2013
	IJELLS	Uses of Linguistics in ELT	106-109 & 2, 2013
	IJIRD	Uses of Communication in Technical Education	295-301 & 2, 2013

Name of the Faculty/Student	Journal	Paper Title	Volume, Year
T.Arunachalam	Asian Journal of Chemistry.	A Phytochemical Analysis of Medicinal Plant- <i>Anisochillus Carnosus</i> . I.F 0.354/-	14,1(2002),247-254
	E-Journal of Chem.,	Synthesis , Characterization, and Biological activity of Mn^{2+} , Co^{2+} , Ni^{2+} , and Cu^{2+} Complexes of benzoic acid Ligand I.F 0.480/-	2009,6(3),743-746
	E-Journal of Chem.,	Protective Effect of Dodonaea viscosa(L) Against Lead Acetate induced altered Glycoprotein Profiles in Rats I.F 0.480/-	2009,6(3) 725-728
	American-Eurasian Journal of Scientific Research	A fungi Toxic Quinone Derivative from <i>Anisochillus Carnosus</i> I.F 0.430/-	4(1): 11-13.2009
S.Rajivgandhi	International Research Journal of Nanoscience and Nanotechnology	Stannum-Cadmium Composite Nano Rods Nano Wires and Particles by Simple Technique I.F 0.520/-	25-47 & Vol.2 (1,2&3), 2012

- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) -----
Nil
- Monographs-, Chapter(s) in Books, Books Edited, and Books with ISBN / ISSN numbers with details of publishers.

S.No.	Name of the faculty member	Monographs authored	Chapters authored in Books	Books edited	Books with ISBN, publisher
1	T. Arunachalam				978-93-80173-84-9, Aruma Pathipagam Koradacherry-613703
2	A. Ravikumar			2	
3	S. Rajivgandhi			1	
4	M. Bhuvaneswari	1			
5	R. J. Rameshkumar	1			
6	J. Manivel			1	
7	G. Muruganandham	1			
8	K. Karthikeyan			1	
9	K. Ganesan			1	
10	P. Manikandan	1			
11	A. Dineshkumar	1			

- SNIP : NIL
- SJR : NIL
- Impact factor :Average of **0.453**
- h-index : NIL

Areas of consultancy and income generated:

Year	Name of the Project	Name of the Consultancy	Amount (Rs.)
2010-2013	Water Treatment Technology	Dhanalakshmi Srinivasan Charitable Trust, Perambalur.	10000
	Digital Alarm	Dhanalakshmi Srinivasan Engineering College(I st Year Block)	5000
	Solar Panel	Dhanalakshmi Srinivasan Charitable Trust, Perambalur.	7500
The department also provides consultancy service towards rural development at free of cost			

21. Faculty as members in a) National Committees b) International Committees c) Editorial boards,etc., :

- Mr. G. Muruganandham of English Department is the Associate Editor of the college News Bulletin "The DSEC Times".

22. Student projects:

Percentage of students doing projects in collaboration with industries / institutes

- Not applicable for first year Students.

**23. Awards / recognitions received by faculty and students:
Achievement by faculties**

Academic Year	Achievement
2011-2012	7 Faculty are awarded cash prize for the best performance of their students by the management, DSEC, Perambalur
2012-2013	6 Faculty are awarded cash prize for the best performance of their students by the management, DSEC, Perambalur
2013-2014	5 Faculty are awarded cash prize for the best performance of their students by the management, DSEC, Perambalur

Achievement by Students

S.No	Student Name	Students Achievements
1	P. Ranjitha	Prize Winner in Zonal level & 2011 – 2012 Over
2	P.M. Abser Kelminal	2012- 2013 Topper
3	K.Kalaiselvi	2012 – 2013 Over All Champion at DSEC Sports
4	S. Akila	2013 – 2014 Topper (Odd Semester)
5	Vasanth Imanuvel J & Nanthakumar	I st prize in Quiz Competition at St. Paul's Engineering College, Pondicherry
6	M. Kalaiyarasan	State Level Badminton player
7	N. Famitha Banu	Prize Winner at Zonal level

24. List of eminent academicians and scientists / Visitors to the department:

Academic year	Details of Resource Person
2010-2011	Dr.P.Subramanian Scientist, Corrosion Division, CECRI, Karaikudi.
	Dr.P. Ragupathi Scientist, Li ion Battery Division, CECRI, Karaikudi.
2011-2012	M. JayaChandran, Scientist, CECRI, Karaikudi
	Dr. M. Ashok, Associate professor, NIT, Trichy
2012-2013	Balasubramaniyan, Scientist, CECRI, Karaikudi
	Dr. Sanjeeviraja, CSIR-Emeritus Scientist
	Mohan Parthasarathy, HR

25. Seminars/ Conferences/Workshops organized and the source of funding (national / international):

Academic year	Details of seminars / Workshops / Conferences	Source of Funding
2009-2010	National Level Seminar on “ Advanced Engineering Materials”	Management
2010-2011	National Seminar on “Reading – For Pleasure”	Management
2011-2012	National Seminar on “ Energy Resources”	Management
2012-2013	National Seminar on “Contribution of Mathematics in Engineering And Technology”	Management

26. Student profile- programme / course-wise:

Name of the Course/programme (refer question no. 4)		Applications received	Selected	Enrolled		Pass percentage
				Male	Female	
General Engineering	2010-2011	396	345	464	295	40.79%
	2011-2012	407	356	512	325	70.03 %
	2012-2013	349	327	478	318	50.15 %
	2013- 2014	402	344	446	278	37%

27. Diversity of students:

Name of the Course	Year	% of students from the Same State	% of students from other States	% of students from abroad
General Engineering	2009-2010	91	9	NIL
	2010-2011	89	11	NIL
	2011-2012	90	10	NIL
	2013-2014	90	10	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.

❖ Not applicable for first year students

29. Student progression:

❖ All First Year Students are promoted to Second Year.

30. Details of Infrastructural facilities:

(a) **Library:** Department has separate library apart from central library which contains,

❖ Title: 55

❖ Volumes: 125

Details:

Department	Room Type	Room ID	Area of Room in Sq.m
S & H	Department Library	201	50.29

(b) Internet facilities for staff and students

❖ Wi-Fi facility (BROVIES,CPLINK,UBNT & ENINNERS Wireless device) Configuration

❖ LAN Facility: 100/1000 Mbps

❖ Internet Speed : 16 Mbps

❖ Service Provider : BSNL

(c) **Class rooms with ICT facility:** The department has one smart class and 13 teaching class rooms

(d) **Laboratories:** Our department has two Laboratories with working capacity

60 Students per session in each

1. Physics Laboratory

2. Chemistry Laboratory

31. Number of students receiving financial assistance from college, university, government or other agencies

Year	No. of Students	
	SC/ST	BC/MBC
2011-2012	80	107
2012- 2013	97	344
2013-2014	131	240

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:

Academic year	Events Conducted	Topic	Details of Resource person
2011-2012	One day seminar	Advances in Nano Science	M. JayaChandran Scientist, CECRI Karaikudi
	Guest lecture	Magnetic materials and their applications	Dr. M. Ashok Associate professor NIT, Trichy
2012-2013	One day seminar	Futuristic Approach in Environment	Balasubramaniyan Scientist, CECRI Karaikudi
	Guest lecture	X Ray Diffraction Analysis	Dr. Sanjeeviraja CSIR-Emeritus Scientist
	One day Seminar	Time Management for Engineers	Mohan Parthasarathy HR

33. Teaching methods adopted to improve student learning:

- Course plan, Course materials and notes:
Course plan has been prepared in which 12 hours are given per Unit. All the text books and necessary materials are provided to the students.

- Black board presentation, Power Point Presentation, Study on Models:
All the faculty members use blackboard and lecture by power point presentation and also with study models.
- Group Discussions, Tutorial classes, Individual student seminars
All the students are given individual seminar on a particular topic and also given topics for group discussions.
- E-learning resources
E-learning resources from different websites are given to the students for their improvement.
- Library references , journals and internet facilities
Facilities like internet, library reference and journals have been provided to the students as well as the faculty.
- Guest lectures and Seminars
Guest lectures and seminars have been conducted on different topics by resource persons from various institutions like CECRI, Karaikudi, NIT, Trichy and CSIR.
- Assignments , Slip Tests , Unit test and Quiz etc.,
Assignments are given to the students for improve their applied Skills. Slip tests and unit test were conducted for the students.
- Intensive Coaching classes after completion of the syllabus
Intensive coaching classes are conducted for weak students to improve the result.
- Evening Study hours for bright students
The department of Science and Humanities follows the curriculum developed and updated by Anna University. The teaching methodology includes chalk and talk, group discussions, debates, individual seminars, etc. to improve the applied skills of students to get more ideas for their future studies. The department has well trained and active faculty, well equipped laboratories and very good infrastructures to fulfill the need of present student community. The department has well furnished library and posses 125 volumes of text and reference books and subject CD's are also available for the benefit of students.

34. Participation in Institutional Social Responsibility (ISR) and extension Activities

- Environmental Pollution Awareness to the public (Near by villages).
- Conducted Educational Guide lines to the Village based School Students.
- Conducted awareness programme towards the drug addicts.
- Awareness programs like NSS and NCC, YRC organized by the department students.

35. SWOC analysis of the department and future plans**Strengths**

- ❖ 09 staff members are doing Ph.D.,
- ❖ Highly qualified, experienced and committed faculty members.
- ❖ Highly reputed infrastructure for learning
- ❖ Good staff-student relationship.
- ❖ Well disciplined and hard working students.
- ❖ Separate building for the department and library

Weaknesses

- ❖ Pass percentage of the students is average and needs improvement.
- ❖ Parents meeting to be arranged with increased frequency.

Opportunities

- ❖ Students participate in many co-curricular and extra-curricular activities in the campus to improve the communication skills and leadership qualities.
- ❖ Improvement on performance with NAAC Procedures
- ❖ Innovation in teaching learning process
- ❖ Effective organizational structure
- ❖ Continuous knowledge updating
- ❖ Revision of Curriculum (Whenever needed)

Challenges:

- ❖ Most of the students are from rural areas and they are lagging behind in communication skills.
- ❖ Students with diverse background
- ❖ Balancing administrative and academic load
- ❖ Campus placement is to be improved to a higher level

Future plans of the department:

- ❖ Planning to organize funded seminars
- ❖ Planning to extend the class infrastructure with Air conditioned class rooms
- ❖ More number of staff and students to be encouraged to participate in national and international seminars, workshops, conferences.
- ❖ Planning to focus research oriented activities in the near future.
- ❖ All the faculty members are instructed to register for their PhD.

ABSTRACT

Technical Education – Self Financing Engineering Colleges – Dhanalakshmi Srinivasan Engineering College, Perambalur, Perambalur District – Conferment of minority status for a period of five years from 2012-2013 to 2016-2017 – Orders – Issued.

HIGHER EDUCATION (J2) DEPARTMENT

G.O.(D) No.148

Dated: 18.6.2012.

Aani 4,
Thiruvalluvar Andu 2043.

Read:

1. G.O.(Ms) No:270, Higher Education Department, dated.17.6.1998.
2. G.O.(Ms) No.386, Higher Education Department, dated.11.12.2006.
3. The Commissioner of Technical Education, letter No.54068/H1/2011, dated 16.3.2012.

ORDER:

In the G.O. first read above, orders were issued framing certain guidelines relating to the conferment of minority status to all Educational/Professional Institutions. In the G.O. second read above, orders were issued for conferment of minority status to self financing engineering colleges for five years instead of one year, given earlier.

2. The Commissioner of Technical Education, Chennai in his letter third read above has sent proposal for consideration of conferring Minority Status to Dhanalakshmi Srinivasan Engineering College, Perambalur, Perambalur District run by Dhanalakshmi Srinivasan Charitable and Educational Trust, Perambalur for a period of five years from 2012-2013 to 2016-2017.

3. The Government have carefully examined the proposal of the Commissioner of Technical Education, Chennai and decided to accept the same. Accordingly, the Government direct that Dhanalakshmi Srinivasan Engineering College, Perambalur, Perambalur District run by Dhanalakshmi Srinivasan Charitable and Educational Trust, Perambalur be granted minority status for a period of five years from 2012-2013 to 2016-2017.

(BY ORDER OF THE GOVERNOR)

T.S.SRIDHAR,
ADDITIONAL CHIEF SECRETARY TO GOVERNMENT.

To

The Commissioner of Technical Education, Chennai.25.

✓ The Chairman, Dhanalakshmi Srinivasan Charitable and Educational Trust, 274C, Thuraiyur Road, Perambalur. (through the Commissioner of Technical Education, Chennai-25)
The Registrar, Anna University of Technology, Tiruchirappalli.

Copy to

The Secretary, Tamil Nadu Engineering Admission, Anna University, Chennai.25.

The Senior P.A. to Minister (Higher Education), Chennai.9.

P.S. to Additional Chief Secretary to Government, Higher Education Department, Chennai-9.

SF/SC.

// Forwarded / by Order //

Dr. C. NATARAJAN, M.E. Ph.D.
Principal
Dhanalakshmi Srinivasan Engineering College
18.6.12
Section Officer.



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. Southern/1-1409108352/2013/EOA

Date: 19-Mar-2013

To,
The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of approval for the academic year 2013-14

Ref: Application of the Institution for Extension of approval for the academic year 2013-14

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Southern	Application Id	1-1409108352
		Permanent Id	1-4370591
Name of the Institute	DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE	Institute Address	THURAIYUR ROAD, PERAMBALUR-621212, PERAMBALUR, PERAMBALUR, Tamil Nadu, 621212
Name of the Society/Trust	DHANALAKSHMI SRINIVASAN CHARITABLE & ED. TRUST	Society/Trust Address	THURAIYUR ROAD PERAMBALUR - 621212,PERAMBALUR,PERAMBALUR,Tamil Nadu,621212
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

to conduct following courses with the intake indicated below for the academic year 2013-14

Application Number: 1-1409108352*

Page 1 of 4

Note: This is a Computer generated Extension of Approval Letter. No signature is required.

Letter Printed On:20 March 2013.

Printed By : ae2106911



Application Id: 1-1409108352			Course	Full/Part Time	Affiliating Body	Intake 2012-13	Intake Approved for 13-14	NRI	PIO	Foreign Collaboration
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	CAD CAM	FULL TIME	Anna University, Chennai	18	18	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMMUNICATION SYSTEMS	FULL TIME	Anna University, Chennai	36	36	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Anna University, Chennai	36	36	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	COMPUTER SCIENCE & ENGINEERING (NETWORKS)	FULL TIME	Anna University, Chennai	18	18	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	EMBEDDED SYSTEMS TECHNOLOGIES	FULL TIME	Anna University, Chennai	18	18	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	POST GRADUATE	POWER ELECTRONICS AND DRIVES	FULL TIME	Anna University, Chennai	18	18	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	AERONAUTICAL ENGINEERING	FULL TIME	Anna University, Chennai	60	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	BIOMEDICAL ENGINEERING	FULL TIME	Anna University, Chennai	120	120	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	CIVIL ENGINEERING	FULL TIME	Anna University, Chennai	120	120	No	No	No



Application Id: 1-1409108352			Course	Full/Part Time	Affiliating Body	Intake 2012-13	Intake Approved for 13-14	NRI	PIO	Foreign Collaboration
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	COMPUTER SCIENCE AND ENGINEERING	FULL TIME	Anna University, Chennai	120	120	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRICAL AND ELECTRONICS ENGINEERING	FULL TIME	Anna University, Chennai	120	120	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	ELECTRONICS & COMMUNICATION ENGG	FULL TIME	Anna University, Chennai	180	180	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	INFORMATION TECHNOLOGY	FULL TIME	Anna University, Chennai	120	120	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	Anna University, Chennai	180	180	No	No	No
MANAGEMENT	1st Shift	POST GRADUATE	MASTERS IN BUSINESS ADMINISTRATION	FULL TIME	Anna University, Chennai	120	120	No	No	No
MCA	1st Shift	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Anna University, Chennai	120	120	No	No	No

- Validity of the course details may be verified at www.aicte-india.org/departments/approvals

The above mentioned approval is subject to the condition that DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

(Dr. Kuncheria P. Isaac)

Member Secretary, AICTE

Copy to:

1. **The Regional Officer,**
All India Council for Technical Education
Shastri Bhawan 26, Haddows Road
Chennai - 600 006, Tamil Nadu
2. **The Director Of Technical Education,**
Tamil Nadu
3. **The Registrar,**
Anna University, Chennai
4. **The Principal / Director,**
DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE
THURAIYUR ROAD,
PERAMBALUR-621212,
PERAMBALUR,PERAMBALUR,
Tamil Nadu,621212
5. **The Secretary / Chairman,**
DHANALAKSHMI SRINIVASAN CHARITABLE & ED. TRUST
THURAIYUR ROAD
PERAMBALUR - 621212,
PERAMBALUR,PERAMBALUR,
Tamil Nadu,621212
6. **Guard File(AICTE)**

**REGISTRAR**

ANNA UNIVERSITY

CHENNAI - 600 025, INDIA

Phone : (O) 22352161, 22357004

(R) 22420095

Fax : 91-44-2235 1956

Gram : ANNATECH

E-mail : registrar@annauniv.edu

Lr No. 02 /AFFLN/CAI/AU/TCY/2013-14/8104

Date: 15-05-2013

To

The Principal,
Dhanalakshmi Srinivasan Engineering College, Thuraiyur
Road, Perambalur - 621 212.

Sir,

**DHANALAKSHMI SRINIVASAN
ENGINEERING COLLEGE,
PERAMBALUR.**

No / 3004

Date/ 08/07/13

Sub: AU - AFFILIATION - Provisional Affiliation for the new course(s) / variation in intake in the existing course(s) / continuation of Provisional Affiliation for the existing course(s) - U.G. / P.G. for the academic year 2013-14 Granted - Reg.

Ref: 1. Your application for affiliation for the academic year 2013-14
2. AICTE Approval for the academic year 2013-14.

I am to inform that under the provisions of Section 7.6.1 of the Statutes for affiliation of Anna University, Chennai, **Provisional Affiliation** for the continuation of the existing course(s) / new course(s) / variation in intake in the existing course(s) is granted for the following U.G / P.G. courses with the sanctioned intake mentioned against each course for the academic year **2013-14** at **Dhanalakshmi Srinivasan Engineering College, Thuraiyur Road, Perambalur - 621 212.**

Sl. No.	Degree	Course(s)	Sanctioned Intake	
			2012-13	2013-14
1	B.E.	Aeronautical Engineering	60	60
2	B.E.	Bio-Medical Engineering	120	120
3	B.E.	Civil Engineering	120	120
4	B.E.	Computer Science and Engineering	120	120
5	B.E.	Electrical and Electronics Engineering	120	120
6	B.E.	Electronics and Communication Engineering	180	180
7	B.E.	Mechanical Engineering	180	180
8	B.Tech.	Information Technology	120	60
9	M.B.A.	Master of Business Administration	120	120
10	M.C.A.	Master of Computer Application	120	120
11	M.E.	CAD/CAM	18	18
12	M.E.	Communication System	36	36
13	M.E.	Computer Science and Engineering	36	36
14	M.E.	Computer Science and Engineering(With Specialization in Networks)	18	18
15	M.E.	Embedded System Technologies	18	18
16	M.E.	Power Electronics and Drives	18	18

The above said Provisional Affiliation is being granted subject to the fulfillment of the conditions mentioned below:

forwarded to the Secretary
7/8/2013

- Production of Originals of AICTE / COA / DGS approval and all other related documents for verification, whenever demanded by the University.
- Verification by a committee towards the fulfillment of the conditions mentioned above and the continued fulfillment of the requirements for the above-mentioned course(s) as per the norms and standards of AICTE and the laboratory requirements as per the curricula and syllabi of Anna University, Chennai for the above courses. In the event of any violation/infringement of the above said conditions and / or the provisions of Anna University, Chennai Act / Statutes / Regulations, AICTE Act, norms & standards / regulations / guidelines or any other law time being in force, suitable action including suspension / withdrawal of affiliation of course(s) may be initiated against the college.
- Under no circumstances, fresh admission be made in the above course(s) during the academic year 2014-15, until and unless the continuation of provisional affiliation is obtained from the University.

The Provisional Affiliation is granted without prejudice to the right of the University of requiring production of certificate required under Section 37-B of TAMILNADU Reforms (LC) Act 1961 subject to the decision of the Hon`ble High Court of Madras in W.A. No. 3454 / 2002 batch and W.A. No. 3482 / 2002 batch.

The Chairman should submit an undertaking duly signed on a Rs.20/- non-judicial stamp paper to **The Registrar, Anna University, Chennai 600 025**, within 15 days from the date of receipt of this letter stating that the conditions specified above be fulfilled and The Chairman is aware of the fact that the University may conduct surprise inspections to verify the fulfillment of requirements as per the norms and standards of Anna University for the continuation of affiliation.



Yours sincerely,

[Handwritten Signature]

REGISTRAR
REGISTRAR

ANNA UNIVERSITY
CHENNAI 600 025.

Copy to:

1. The Commissioner of Technical Education, DOTE campus, Chennai - 600 025.
2. The Regional Officer, Southern Regional Office, AICTE, 26, Haddows Road, Shastri Bhawan, Chennai 600 006.
3. The Controller of Examinations, Anna University, Chennai - 600 025.
4. The Director, Student Affairs, Anna University, Chennai - 600 025.
5. Master file.