



# DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE &  
Affiliated to Anna University, Chennai)

Accredited with 'A' Grade by NAAC  
Accredited by NBA for BME, ECE & EEE

Accredited by TCS

Perambalur – 621 212,  
Tamil Nadu



## ABOUT DSEC TIMES

"DSEC Times", The Institute newsletter is being released Bi- Annually by Internal Quality Assurance Cell (IQAC) of our Institution. This DSEC Times portrays the details and highlights the co-curricular activities of the student, faculty improvements and our Institutional achievements. With a practice of organizing more events and accomplishing much more achievements by our faculty and the students, habitually at DSEC, *DSEC TIMES 2020, Issue 2* is being released.

## NEWS INSIGHT

- DSEC: The Pinnacle 2020
- Institutional deeds
- Faculty corner
- Student corner
- Events corner
- Campus recruitment
- DSEC Glimpses

View the DSEC Times



Know DSEC regular updates by ping

The College website:  
<https://www.dsengg.ac.in/>

Our Facebook page:  
<https://www.facebook.com/dsec.pblr>



**YES!!! Another signpost of our Institution during the Year 2020, Conferred with Autonomous status by University Grants Commission (UGC) & Anna University, Chennai for a period of Ten years (2020- 2021 to 2029 – 2030).**

**Receiving the Memorandum of Autonomous Conferment Certificate from our Honorable Chairman SHRI.A.SRINIVASAN.**

# DSEC: THE PINNACLE 2020

## An Autonomous Evolution:

- ◆ As a quest of excellence, our Institution applied for the award of Fresh Autonomous status to University Grants Commission (UGC), New Delhi & Anna University, Chennai during 2019. **The Institute received the conferment, award of fresh Autonomous status from UGC (Letter No: F-22-1/2017(AC); dated: 21.08.2020) & Anna university, Chennai (Letter No: 1782/AU/CAC/Autonomous/2020; dated: 28.08.2020) for a period of Ten years from 2020-2021 to 2029-2030.** Around Tamil Nadu, Nine Colleges were conferred with the Autonomous status in the year 2020-2021. Our DSEC is one among them.



**Glorious moment during our Autonomous UGC Visit: Our Honorable Chairman Greeting the UGC Expert Committee members**



**Our UGC Expert Committee members**

- ◆ Our Child Institution Srinivasan Engineering College (SEC), Perambalur and Dhanalakshmi Srinivasan College of Engineering (DSCE), Perambalur are **merged to Parent Institution of Dhanalakshmi Srinivasan Engineering College (DSEC), Perambalur on 15-6-2020.** This was approved by All India Council For Technical Education (AICTE), New Delhi.
- ◆ As a result of merger, our Institution is currently offering **14 Under Graduate (UG) Programmes and 7 Post Graduate (PG) Programmes.**
- ◆ The Institution Autonomous and merger have been conferred in the year 2020 and as milestone; **the students studying in DSEC, SEC and DSCE are benefitted with the Autonomous privileges.**
- ◆ Our **Autonomy Statutory Bodies meeting** were conducted on the below mentioned dates:

S.No	Autonomous Statutory Bodies	Meeting conducted date
1	Governing Body	16.10.2020
2	Finance Committee	19.10.2020
3	Board of Studies (for all UG & PG Programme)	20.10.2020 to 23.10.2020
4	Standing Committee	23.10.2020
5	Academic Council	28.10.2020



**First Governing Body Meeting after acquiring Autonomous status through Virtual mode. Our Dynamic Secretary graciously attended the Meeting**

- ◆ More than 62 Senior Academicians from National Institute of Technology (NIT), Indian Institute of Technology (IIT) and other reputed Institutions were involved in Statutory Body meetings for finalization of our Institution Regulations, Curriculum of all UG & PG Programmes and Examination System.

**Foremost view of our Institution Autonomous Statutory Bodies Meeting**



**Governing Body Meeting conducted on 16<sup>th</sup> October, 2020**



**Standing Committee Meeting on 23<sup>rd</sup> October, 2020**



**Academic Council Meeting conducted on 28<sup>th</sup> October, 2020 through Video Conferencing**



**Few Explicit look on Virtual mode Board Of Studies Meeting during 20.10.2020 to 23.10.2020**

- ◆ Being an Autonomous Institution and with hope of consequential development of the students in all skill aspects, Mandatory Courses & Activities are framed for both UG & PG Programme, as per the AICTE Model Curriculum Guidelines. These mandatory Courses & Activities are enclosed in our Institutional approved Regulations 2020 and offered to the students admitted from the academic year 2020-2021 onwards. These activities will create a Skill based Learning for our students.
- ◆ To cultivate the scope and procedural framework of Mandatory Courses & Activities to the faculty, a start-up programme was organized and for the students, an orientation programme were conducted for a week.

Mandatory Courses & Activities is being offered with 7 Modules	
Module 1	Health & Fitness
Module 2	Service to Society
Module 3	Skill Course
Module 4	Technical Expertise
Module 5	Employability Skills
Module 6	Social Course
Module 7	Proficiency Exam



Start up Programme on “Mandatory Courses & Activities” for faculties by the Principal on 05.01.2021



Orientation Programme about “Mandatory Courses & Activities” for our First year students by IQAC Team during 28.12.2020 to 06.01.2021



- ◆ Our Dhanalakshmi Srinivasan Educational & Charitable Trust appreciated the DSEC fraternity by organizing an Appreciation Ceremony for Acquiring Autonomous status on 31.12.2020. The DSEC staffs are appreciated with memento and gifts by our Honorable Chairman.



DSEC fraternities honoring our Honorable Chairman.



Dr.S.Durairaj, The Principal receiving the appreciation memento from our Honorable Chairman



The DSEC faculty appraised with memento & gifts by our vibrant Secretary

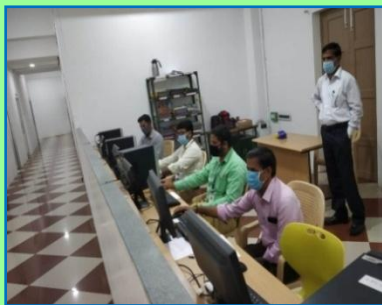
- ◆ Since our Institution Conferred with Autonomous status, we are stepping through another Milestone of National Assessment and Accreditation (NAAC) process. The Institute has applied for a Transition towards Autonomous to NAAC official with an extended of validity period for 5 years (2020 to 2025).

## CONDUCT OF EXAMINATION:

- ◆ The **Examination Cell** has been renovated and restructured to carry out all the Examination activities (as per the Clause no: 11 of UGC Regulations 2018 for Autonomous colleges).
- ◆ As per the **Clause no: 11.1 of UGC Regulations 2018 for Autonomous colleges**, these members are nominated to take care of the Examination Cell activities,

<b>Chief Controller of Examinations</b>	<b>Dr.S.Durairaj, Principal, (Ex.officio)</b>
<b>Controller of Examination(COE) - i/c</b>	<b>Dr.K.Velmurugan, Professor, Mech dept.</b>
<b>Chief superintendent (DEC2020/JAN 2021End Semester Examination)</b>	<b>Dr.K.Anbarasan Professor, EEE dept.</b>

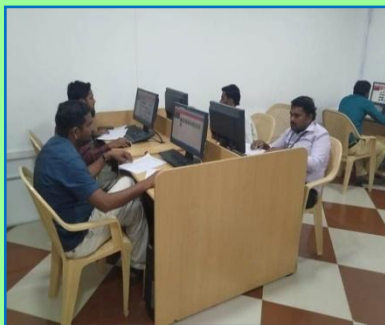
- ◆ The Anna University, Chennai has confessed as to **conduct the End Semester Examination (as on letter dated: 17.11.2020)** for all the students studying at DSEC under merger of all our Child Institutions (SEC & DSCE).
- ◆ **The End Semester Examination was conducted from 04.01.2021 to 05.02.2021 through online proctored mode.**



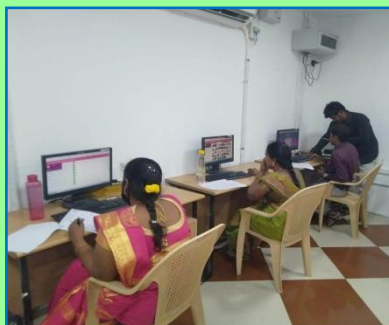
**Conduct of Online Examination observed by the Chief COE**



**Discussion with the COE & CS**



**Online Examination DEC 2020/JAN 2021: Proctor Duty done by the faculties in the Examination Cell**



**Proctor Examination Monitoring system cabin**



**Help Desk for Online Exam at Examination Cell**

## *Explicit look on Controller of Examination office at B - Block*



## Institutional Deeds:

- ◆ As per Anna University, Regulations: 2017, our Institution framed and submitted **13 Value Added Courses to the Centre for Academic Courses, Anna University, Chennai for the Approval and the same was approved in the academic year 2019-2020 (displayed in the website of Anna University, Chennai).**
- ◆ On **26.9.2020**, the Anna University, Chennai has released the list of Approved Value added course in their official website ([https://cac.annauniv.edu/PhpProject1/aidetails/ai\\_ug\\_OE\\_2017ft.html](https://cac.annauniv.edu/PhpProject1/aidetails/ai_ug_OE_2017ft.html)) to enhance the technical skill of the students of all Affiliated Engineering Colleges under Anna University, Chennai. **The approved 13 Value Added courses of our Institute were as well offered in the Anna University Approved list.**

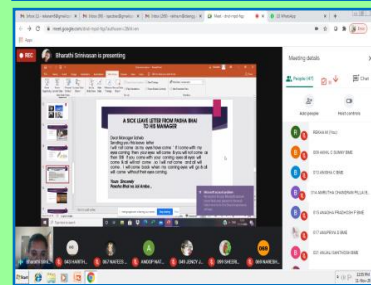
The Approved 13 Value Added Courses by Anna University, Chennai are listed:		
<b>EVA007</b>	Energy Conservation, Management and Audit	Faculty of Electrical Engineering
<b>MVA011</b>	Modeling for Design Engineers	Faculty of Mechanical Engineering
<b>CVA008</b>	Interior Decoration	Faculty of Civil Engineering
<b>CVA009</b>	Vaasthu and Building Plan	
<b>CVA010</b>	3D's MAX	
<b>MSVA001</b>	Social Media Marketing	Faculty of Management Studies
<b>MSVA002</b>	Business Plan and Entrepreneurial Ventures	
<b>IVA020</b>	Case study-Operating System in Design	Faculty of Information and Communication Engineering
<b>IVA021</b>	Case study-Network Design	
<b>IVA022</b>	Electronic circuits and PCB making	
<b>IVA023</b>	Data mining Laboratory	
<b>IVA024</b>	Multimedia Laboratory	
<b>IVA025</b>	Visual Basic Laboratory	

- ◆ Our Institution has creating a **Skill Development Centre (SDC)** granted by **All India Council for Technical Education (AICTE), New Delhi under the scheme of Skill and Personality Development Centre (SPDC) for the year 2019-2020.** During 2020, the SDC has organized various training Programme mainly for economically backward students on their soft skills development.

Conducted Programme through SDC	Organized Date	Chief Guest / Invited Resource Person
<b>Inauguration of AICTE Funded Skill Development Centre</b>	28.10.2020	Inaugurated by <b>Shri.A.Srinivasan, The Chairman, Dhanalakshmi Srinivasan Group of Institutions.</b>
<b>Orientation Programme on "English Made Easy"</b>	29.10.2020 to 02.11.2020	<b>Mr.V.V Santhosh Kumar, (Dean – HRDC).</b>
<b>Webinar on "Communication - The Route to your Destination"</b>	11.11. 2020	<b>Dr.S.Bharathi, Independent Trainer, Visiting Professor, SASTRA (Deemed To be University), Thanjavur</b>
<b>Student Enrichment Programme(SEP) on Skill Development Courses</b>	28.12.2020 to 06.01.2021	<b>Mrs.B.Karthiga / ASP-ECE</b> <b>Mr.K.Karthickbabu/ AP-BME</b> <b>Mrs.M.Rekha / AP-ECE</b>



Opening of SDC by The Chairman, DS Group of Institutions



Webinar by Dr.S.Bharathi, Independent Trainer



Student Enrichment Programme on Skill Development Courses



Appreciation of SDC students with Certificates by the Principal

- The **Research & Development (R&D) Cell** submitted various Research proposals to the Government funding agencies during the academic year 2020-2021. The submitted proposals are listed,

**AICTE Quality Improvement Scheme (AQIS) 2021-22 for Financial Support**

Department	Category	Name of the Scheme	Faculty Name	Project Title	Submitted on
IT & MCA	Institutional Development Schemes	e-Shodhsindhu (Subscription to e-journal)	Dr.R.Gopi	Requirement of e-resources (ASCE,ASME, IEEE, Bentham Pharma)	30.11.2020
Food Tech, Pharmaceutical & Chemical		AICTE-Scheme for Promoting Interests, Creativity and Ethics among Students(SPICES)	Dr.S.Anbu & Prof.C.Narayanan	Training on 'Bio-Fertilizers: efficient use and application	10.12.2020
MBA	Faculty Development Schemes	AICTE-Research Promotion Scheme (RPS)- Management	Dr.R.Srinivasan & R.Jousha Benaiah	A study on the performance of Self Help Groups (SHGs) in Perambalur District	13.12.2020
Mechanical		AICTE-Sports Faculty Program(FDP)	Dr.M.Chellappan	Establishment of Staff Recreation Club (SRC) for COVID-19	16.12.2020
CSE		AICTE – ISTE Orientation / Refresher Programme	Mr.V.Gokula Krishnan	Ingraining Wisdoms for the Engineering Education	19.12.2020
Mechanical		AICTE-Research Promotion Scheme (RPS)- General	Dr.D.Kathiresan & Mr.AlluruSujith Reddy	Automated Monitorization towards Smart Farming and Control the Environmental Pollution Using Drone Sprayer	31.12.2020

◆ **Centralized Library Resources Extension:**

During Lockdown period, virtually 250 e-books, 250 e-journals and 407 Springer books have been downloaded from NDL (National Digital Library of India) and those resources are being utilized by the students and faculties. Since, our Institutions had undergone the merging of Institutions process, now the **centralized Library resources has been extended with total volume books of 71,002 numbers.**



**Reorganization of Centralized Library at Block - C with compiling of Child Institutions Library resources.**

◆ **National Highways Authority of India (NHAI) and our Institution has signed the Memorandum Of understanding (MOU) on August 18<sup>th</sup>, 2020**

for dissemination of respective expertise in Civil Engineering/Highways field through the road infrastructure development for both faculty and students.



**MoU signed with NHAI on 18.08.2020**

**MoU signed with PANTECH ProEd on 02.02.2021**

◆ **DSEC signed a MoU with PANTECH ProEd, Chennai on 02.02.2021.**

For the betterment of the students in various activities like Internship, workshops, FDP and job oriented training and placements for a period of one year.

◆ **In Tamil Nadu Engineering Admission (TNEA) 2020**

Engineering counseling process, Out of 520 Engineering colleges in Tamil Nadu, **our Institution has occurred 10<sup>th</sup> Rank at the end of Supplementary TNEA 2020 counseling round.** The Rank list has been published by the Anna University, Chennai in its website.

◆ **Preparation of E-Materials:**

The DSEC faculties prepared E-materials during COVID 19.

**Theory : 271  
Laboratory : 115**

- ◆ Our **First year students** admitted during the academic year 2020 – 2021 are cordially invited by organizing the **Fresher's Day on 16.10.2020 at Audio Visual Room (Central Library – C Block)**. The students are connected through Video Conferencing. The **Bridge course** materials were released in motto of educating the students with valued knowledge.



**Special Address at Fresher's Day programme by the Chief Administrative Officer(CAO), DS Group of Institutions**



**Conduct of Fresher's Day through Video Conferencing**



**Release of Bridge Course materials in a form of Booklet**

- ◆ In line with engaging Online classes for the first year students, various programme and activities are conducted to groom and prepare them for attending the online classes in regularized pattern.

Events Organized	Conducted date	Resource Person
<b>5 Days : Startup Induction Programme</b>	18.11.2020 to 24.11.2020	<b>Mr. R. Vasu, Motivational Speaker</b>
		<b>Mr.JC.A.J.Mohamed Rafi, Entrepreneur / Certified Trainer</b>
		<b>Mr. Babu Rengarajan, Child &amp; Clinical Psychologist</b>
		<b>Mr. K. Babu, Soft Skill Trainer</b>
		<b>Mr.A.P.Chandra Kumar, Director, The Optimistic Training Consultant</b>
<b>15 Days: Bridge Courses</b>	25.11.2020 to 15.12.2020	<b>DSEC Faculties</b>
<b>Regular Academic Online Classes</b>	From 16.12.2020 onwards through virtual mode.	

- ◆ A **six days Campus Connect Campaign (CCC)** has been organized from **28.12.2020 to 06.01.2021**. The First year students along with their parents are invited by posting the New Year and Pongal wishes card. During this event activities like **student profile verification, presentation on Skill Development courses by IQAC, Career Guidance by HRDC and DS Tour have been accomplished**. The Bridge Course Excellence certificate was also distributed to the students in presence.



**Special Address by the Principal on 6<sup>th</sup> January, 2021**



**DS Tour accomplished by the students and their parents during Campus Connect Campaign**



**Distribution of Bridge Course Certificate to the Topper**



- ◆ In our Institution a good ambience were created for **Conducting the Online Classes** with an effective way. During online classes, in addition with the subject handling faculty, a **Co-host has been allotted for managing the classes in a smooth manner.**



**Online Classes conducted by the faculties in a fine ambience at DSEC, along with the Co-host faculty and usage of well equipped accessories.**

- ◆ **Review meetings** are headed by the Principal, periodically, to **monitor the effectiveness on the conduct of online classes.**
- ◆ The DSEC fraternities are directed to conduct online classes in professional way. **Basic needs are rendered by ISTE.** During the handling of online classes. The Principal encouraged them by offering tie to the Science and Humanities department faculties on **December 18<sup>th</sup>, 2020.**



**Review Meeting: On the Conduct of Online Classes**



**ISTE sponsored basic facilities**

- ◆ Through **IQAC**, The academic and non-academic Practices followed in DSEC are released as a booklet of **“DSEC Best practices 2020” on 27.07.2020.**

◆ **Stake Holders Interaction:**

✦ **Students Meeting:**

During **5.11.2020 to 7.11.2020** Students meeting were organized for every department by their respective HODs for discussing various concerns of academic performance and Examination preparatory works.

Guidelines about the conduct of End Semester Examination has been conveyed and guided to the II and III year students by the HOD through virtual mode meeting on January 15<sup>th</sup>, 2021. The meeting was observed by the Principal.

✦ **Parents meeting:**

The First year students’ parents are invited to attend the Parents meeting at B-Block Auditorium during **28<sup>th</sup> December, 2020 to 6<sup>th</sup> January 2021** for conversing about the **Admission formalities, Importance about the Skill Development Courses and Campus accessibilities.** **Parent - Teachers meet** were conducted during **24.11.2020 to 29.11.2020.** The benefits of online classes and academic practices followed in DSEC during Lockdown period was conveyed to the parents in a morality approach.

✦ **Faculty Meeting:**

**Faculty Connect Campaign (FCC)** was organized on **14.07.2020.** The Principal addressed the meeting and discussed about various Schema of Ongoing Lockdown work, conduct of Examination and Admission 2020 progressive.



**Conduct of Students meeting by the HODs**



**Parents meeting on 6<sup>th</sup> January 2021**



**Virtual mode Faculty meeting by the Principal on 14.07.2020**



**Direct mode Faculty meeting on 05.01.2021**

## Principal Triumph

- ✦ The Principal Dr.S.Durairaj has been nominated as a **member to the Academic Council of Anna University, Chennai, for a period of three years as directed by the Hon'ble Governor (Tamil Nadu) – Chancellor on 21.12.2020.**

### Journal Publications

- ✦ S.Durairaj, et al., "APPLICATION OF MULTI-OBJECTIVE OPTIMIZATION ALGORITHM FOR SIFTING AND SIZING OF DISTRIBUTED GENERATIONS IN DISTRIBUTED NETWORKS", Journal of Combinatorial Optimization, 2020, Article/10.1007/S10878-020-00681-2.
- S.Durairaj, et al., "SOFT COMPUTING APPROACH BASED ENERGY AND CORRELATION AWARE COOPERATIVE DATA COLLECTION FOR WIRELESS SENSOR NETWORK", Journal of Ambient Intelligence and Humanized Computing, 2020, Article/10.1007/S12652-020-02008-9.
- S.Durairaj, et al., "DOUBLE CLUSTER HEAD HETEROGENEOUS CLUSTERING FOR OPTIMIZATION IN HYBRID WIRELESS SENSOR NETWORK", Wireless Personal Communications, 2020, Article/10.1007/s11277-019-06810-3.
- S.Durairaj, et al., "PHOTOVOLTAIC – FED MULTILEVEL INVERTER", Electrical India, pp 24, January 2021,
- S.Durairaj, et al., "A PERFORMANCE IMPROVEMENT OF THE FUZZY CONTROLLER-BASED MULTILEVEL INVERTER-FED THREE-PHASE INDUCTION MOTOR WITH ENHANCED TIME AND SPEED OF RESPONSE", Journal of Electrical Engineering & Technology, Springer, Article /10.1007/s42835-020-00649-6, February 2021.

## Award Received

On the occasion of **Republic Day Celebration (26.01.2021)**, Our Institute **associates received award and wishes from our Honorable Chairman in different categories.**



**Best Enhancer:**  
Academic Council member  
**Dr.S.Durairaj**  
Principal



**Best Enhancer:**  
Academic activities  
**Dr.K.Velmurugan**  
Vice Principal



**Best Enhancer:**  
Admission work 2020-21  
**Dr.K.Anbarasan**  
Dean - Academics



**Best Enhancer: Placement activities**  
**Mr.V.V.SanthoshKumar**  
Dean - HRDC

## Awarded with Doctorate

FACULTY NAME	DEPARTMENT	THESIS TITLE
<b>Dr.R.Gopi</b>	Computer Science & Engineering	Video Broadcasting in secure communication channel by role based access control mechanism using 5G VANET.
<b>Dr.S.Senthil Kumar</b>	Science & Humanities	A Study on Fuzzy Mathematical Models for the Effect of Corticosterone.
<b>Dr.S.Anbu</b>	Mechanical Engineering	Heat Transfer Enhancement Studies by the Combined Effects of Nano Fluids, Helically Corrugated Tubes and Inserts.
<b>Dr.J.Arunprasad</b>	Mechanical Engineering	Effect of fuel blends on Tri biological factors Performance and Emission of a Bio Diesel Engine
<b>Dr.S.Prasath</b>	MBA	A Study on Customer Satisfaction Towards Modern Banking Services Rendered by National Bank's With Reference to Tiruichirappalli City.
<b>Dr.K.Karthikeyan</b>	Biomedical Engineering	An Improved Image Processing Methodologies applied towards Human Face Age Estimation.

## Recognized Supervisor for guiding the PhD Research Scholars

- ✚ **Dr.D.Katherasan, Department of Robotics & Automation, a recognized Supervisor in the Centre for Research, Anna University, Chennai with Reference No: 252008.**

## Patent Rights Received

- ✚ **Dr.R Gopi/IT “Design and Implementation of Smart Farm monitoring using IoT” Official Journal of the Patent Office, 03/05/2019.**
- Dr.M.Ilyaraja/CHEMICAL ENGG, “Internet of Things based Smart Water Testing Drone system for Sewage Testing process”, Official Journal of the Patent Office, 18/12/2020.**

## Text Book Published

- ✚ **M.Rekha/ECE, “Heterogeneous Networks: Towards 5G (Network Architecture, Energy Effectiveness & Performance Exploitation)”, APH Publishing Corporation, ISBN: 978-93-89875-56-0, October 2020.**
- ✚ **A.Yogeshwaran, N.Khadar Basha, D.Sathyakala, K.Suganya (Department of ECE), “Advanced Wireless Communications”, The Charulatha Publications, IT Solutions, 2020.**

## Journal Articles Published

The faculty members are constantly prolonged to engage themselves in self career development during the COVID 19 Lockdown period. They were activated to prepare **Journal articles** in their respective interested domain area; **each faculty prepared two Journal articles. Totally (100) Journal articles were published in reputed journal** as listed,

- ✚ **S.RAJKUMAR, “TRIBOLOGICAL BEHAVIOR OF AA7075 HYBRID COMPOSITES”, International Journal Of Scientific & Engineering Research (IJSER), 2020.**
- ✚ **A.MOHAMED HAMDAN, “ENHANCEMENT OF AERODYNAMIC CHARACERISTICS OF TWO SEATER CAR BODY USING COMPUTATIONAL SIMULATION”, International Journal Of Scientific & Engineering Research (IJSER), 2020.**
- A.MOHAMED HAMDAN, “DESIGN AND STRUCTURAL ANALYSIS OF THE RIBS AND SPARS OF SWEPT BACK WING”, International Journal Of Scientific & Engineering Research (IJSER), 2020.**
- ✚ **V.AKILAN, “ANALYTICAL STUDY OF SELF- HEALING COMPOSITES”, International Journal Of Scientific & Engineering Research (IJSER), 2020.**
- V.AKILAN, “NUMERICAL INVESTIGATION ON AERODYNAMIC PERFORMACE OF NON-PLANAR WING CONFIGURATION IN COMERCIAL AIRCRAFTS”, International Journal Of Scientific & Engineering Research (IJSER), 2020.**
- ✚ **C.NARAYANAN, “A NOVEL APPROACH TO STUDY ON LUNG CANCER DIAGNOSIS USING HOLITOSIS SENSING SYSTEM”, International Journal Of Recent Research And Applied Studies, Vol.7, Issue-8(4) AUGUST 2020, ISSN: 2349-4891.**
- C.NARAYANAN, “ANALYZING THE CHARACTERISTICS OF BIODEGRADABLE STENT IN LABVIEW”, International Journal Of Recent Research And Applied Studies, VOL.7, ISSUE-9(4) AUGUST 2020, ISSN: 2349-4891.**
- C.NARAYANAN, “PREMONITION OF ABDOMINAL AORTIC ANEURYSM BY POSITIONING ULTRASOUND TRANSDUCER SENSOR”, Journal Of University Of Shanghai For Science And Technology, VOL.22, ISSUE-11 2020, ISSN: 1007-6735.**
- ✚ **KRISHNA PRIYA, A.K.NIVEDHA, et al., “ANALYSIS OF AUTO ANTIBODY COMPLEX BY PATTERN OF LACRGLOBIN SPOTTING”, Bioscience Biotechnology Research Communication, VOL.13, ISSUE-3, APRIL 2020, ISSN: 2321-4007.**
- KRISHNA PRIYA, A.K.NIVEDHA “AMALGAMATION AND CHARACTERIZATION OF GRAPHENE-CALCIUM TITANATE COMPOSITES FOR ELECTROCHEMICAL STUDIES”, ELSEVIER-MATERIALS TODAY: PROCEEDINGS, <https://doi.org/10.1016/j.matpr.2020.11.112>.**
- ✚ **R.GAYATHRI, “ OPTIMIZED RESOURCE MANAGEMENT AND PRIVACY PRESERVING LOCATION BASED QUERY USING SCHEDULING APPROACHES IN EDGE COMPUTING”, International Journal Of Advanced Research In Science, Communication And Technology, VOL.8,ISSUE-3 AUGUST 2020, ISSN:2581-9429.**
- R.GAYATHRI, “RFID BASED MOBILE INDOOR ASSISTIVE NAVIGATION AND LOCALIZATION FOR VISUALLY IMPAIRED PEOPLE”, International Journal Of Scientific Research And Engineering Development, VOL.3, ISSUE-6NOV-DEC2020.**
- ✚ **K.SHUNMUGAPRIYA, “EXPERIMENTAL INVETIGATION ON MUNICIPAL WASTE WATER TREATMENT BY USING MURRAYA KOENIGII LEAVES AS A COAGULAMNT”, Indian Journal Of Environmental Protection (IJEP), 2020.**
- K.SHUNMUGAPRIYA, “GIS BASED ASSESSMENT OF GROUND WATER FOR DOMESTIC AND IIRIGATION PURPOSE IN VAZHAPADI TALUK,SALEM,TAMIL NADU,INDIA”, Journal Of Taiwan Water Conservancy, VOL.68,NO.2,JUNE 2020.**
- ✚ **R.K.MANIKANDAN, “EXPERIMENTAL INVESTIGATION ON POLYMER CONCRETE WITH DIFFERENT VOLUME DIVISION OF BAMBOO FIBER”, International Journal Of Civil Engineering, VOL.7ISSUE 12 DECEMBER 2020, ISSN: 2348-8352.**
- R.K.MANIKANDAN, “EVALUATING SAFETY PERFORMANCE IN CONSTRUCTION PROJECTS BY USING MS EXCEL”, International Journal Of Creative Research Thoughts, VOL.8, ISSUE 12, DECEMBER 2020, ISSN: 2320-2882.**
- ✚ **B.MANIBALU, “STUDY ON BREATHE BRICKS”, INTERNATIONAL RESEARCH JOURNAL OF ENGINEERING AND TECHNOLOGY (IRJET), VOL.08, ISSUE. 01,JAN 2021, ISSN: 2395-0056.**
- C.SAKTHIPRIYA, “AN EXPERIMENTAL STUDY ON TiO2 BASED SELF CLEANSING CONCRETE BY PARTIAL REPLACEMENT OF SAND BY WASTE GLASS”, International Journal Of Civil Engineering, VOL.7,ISSUE 12,9-12 DECEMBER 2020, ISSN:2348-8352.**
- ✚ **M.MANIKANDAN, “PERFORMANCE ANALYSIS OF GRAPE SEED OIL AS BIOFUEL BLENDS WITH DIESEL IN CRDI ENGINE”, International Journal Of Advances In Engineering And Management (IJAEM), VOL.2, ISSUE-4, PP: 104-109, 12-8-2020.**

- ✚ **J.ARUN**, "GLOBULAR GAUSSIAN ESSENTIAL PART IN IMAGER BAYESIAN KNOWLEDGE STRUCTURE FOR NONLINEAR DETERIORATION, International Journal Of Scientific Research In Computer Science Engineering And Information Technology, VOL.7ISSUE.1,PAGE NO.60-67,JAN-FEB 2021,ISSN:2456-3307.
- ✚ **S R Sowmiya** "DISTINCT WEB SEARCH ENGINE WITH REDUCING AMBIGUITY WORD COMPLEXITY", International Journal of Advanced Research in Science Communication and Technology Vol 1, Iss 2, JAN 2021,ISSN:2581-9429.
- ✚ **T Geetha** "A FRAMEWORK OF PRIVACY PRESERVING IMAGE RECOGNITION FOR IMAGE – BASED INFORMATION SERVICE Volume 1, ISSUE 2, JAN 2021, ISSN: 2581-9429.
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- ✚ **R.ABINAYA**, "SECURE BANKING TRANSACTION USING ENCRYPTION BASED NEGATIVE PASSWORD SCHEME", International Journal Of Scientific Research In Computer Science, Engineering And Information Technology, AUG 2020; 6(4), ISSN: 2456-3307.
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- ✚ **D.KARTHIKEYAN**, "A COMPREHENSIVE AGE ESTIMATION ON FACE IMAGES USING HYBRID FILTER BASED FEATURE EXTRACTION", Biomedical Research, SPECIAL ISSUE, 2020.
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- ✚ **C.PARAMASIVAN @VIGNESH**, “ANALYSIS OF EMI MITIGATION IN SWITCHED MODE POWER CONVERTERS”, International Youth Conference On Radio Electronics, Electrical And Power Electronics Electrical And Power Engineering, IEEE REEP 2020.
- C.PARAMASIVAN @VIGNESH**, “PITCH CONTROLLED PMSG BASED WIND ENERGY CONVERSION SYSTEM WITH CONTROL OF DC LINK VOLTAGE AND LOAD VOLTAGE VARIATIONS”, International Journal Of Research In Applied Science And Engineering Technology, VOL.7, ISSUE-VI, AUGUST 2020, ISSN:2321-9653.
- ✚ **M.KATHAMUTHU**, “DC MOTOR SPEED CONTROL USING PSO TUNNED PID FUZZY CONTROLLER”, International Journal Of Advanced Research In Science, Communication And Technology, VOL.9, ISSUE-3 SEPTEMBER 2020, ISSN: 2581-9429.
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- ✚ **M.BHARATH**, “AN INTELLIGENT CONTROL SCHEME FOR DFIG WIND FARM TO CONTROL THE VOLTAGE FLUCTUATIONS”, International Journal Of Scientific Research In Computer Science Engineering And Information Technology, VOL.6, ISSUE-3, 2020, ISSN: 2456-3307.
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- ✚ **K.VIJAYAKANTH**, “REALIZATION OF APPROXIMATE MULTIPLIER USING DOUBLE GATE MOSFET”, International Journal Of Advanced Research In Science, Communication And Technology, VOL.9, ISSUE-1 SEPTEMBER 2020, ISSN: 2581-9429.
- K.VIJAYAKANTH**, “DIGITAL GAS IDENTIFICATION SYSTEM USING ARTIFICIAL NEURAL NETWORKS”, International Journal Of Advanced Research In Electrical, Electronics And Instrumentation Engineering, VOL.9, ISSUE-8 AUGUST 2020, ISSN: 2278-8875.
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- G.CHANDRASEKAR**, “COMPARISION BETWEEN NORMAL DRILLING AND ROBOT DRILLING USING ANSYS SOFTWARE AND SIMULATION PROCESS”, Dogo Rangsang Research Journal, VOL.10, ISSUE-7 NO.31, JULY 2020, ISSN: 2347-7180.
- ✚ **ALLURU SUJITH REDDY**, “DESIGN AND ANALYSIS OF CONTROLLING THE ROBOTIC FISH”, IOP CONFERENCE SERIES: Materials Science And Engineering (SCOPUS INDEXED), 2020.
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- ✚ **R.SATHYARAJ**, “ENCHANCEMENT OF HEAT TRANSFER IN PHASE CHANGE MATERIAL USING GRAPHITE PARAFFIN COMPOSITES”, ICDAMS MATEC Web Of Conferences, 172, 02001(2018).
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- ✚ **ARUNPRASAD J** , “ PERFORMANCE AND EMISSION CHARACTERISTICS OF ENGINE USING NAVICULLA SP. ALAGAE OIL METHYL ESTER WITH MGO NANO PARTICLES”, Materials Today Proceedings, ELESEVIER,2020.
- ARUNPRASAD J**, “PERFORMANCE AND EMISSION ANALYSIS OF ENGINE USING NAVICULLA SP.ALGAE OIL METHYL ESTER WITH LA2O3 NANOPARTICLE”, Materials Today Proceedings, ELESEVIER, 2020.
- ✚ **THIRUGNANSAMBANTHAM.R** , “CHLORELLA VULGARIS SP. MICROALGAE AS AFEEEDSTOCK FOR BIO-FUEL “,Materials Today Proceedings, ELESEVIER,2020
- THIRUGNANSAMBANTHAM.R**, “WEAR AND FRICTION CHARACTERIZATION OF SP. MICRO ALGAE OIL BASED BLENDED LUBRICANT ON PIN DISC TRIBOMETER”, Materials Today Proceedings, ELESEVIER, 2020.
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- ✚ **RAJESH R, SUGUMAR S** “AN INFLUENCE ON WEAR CHARACTERISTICS OF BENTHIC - DIATOM NAVICULLA SP. ALGAE OIL BY USING FOUR BALL TRIBOMETER”, International Journal Of Scientific & Engineering Research, 2020.
- ✚ **P.ARUNKUMAR**, “THE EFFECT OF HYBRIDIZATION ON MECHANICAL BEHAVIOUR OF NATURAL/ GLASS FIBER REINFORCED COMPOSITES”, International Journal For Research In Applied Science & Engineering, VOL.3ISSUE 07, ISSN: 2321-9653, JULY 2020.
- ✚ **U.PRIYANKA**, “PRIORITIZING THE PERSPECTIVES OF INDIAN GURUKULA EDUCATION SYSTEM AND NEED IN THE PRESENT EDUCATION SCENARIO USING AUGMENTED FUZZY COGNITIVE MAP”, International Journal Of Applied And Advanced Scientific Research, VOL.5, ISSUE 1, 2020, ISSN: 2456-3080.
- ✚ **R.RAJALAKSHMI**, “FUZZY BINARY RELATIONS AND ITS SPECIAL TYPES”, International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS), VOL 3, ISS 1, JANUARY 2021.

## Completion of Certified Online Courses (NPTEL) during 2020

- ✚ **Mrs.K.Preetha/EEE** won **NPTEL Elite online certificate** for the successful completion course “Effective Engineering Teaching in Practice”, during 2020.
- ✚ **Mr.C .Sivakumar/MECH** awarded with **Elite in NPTEL Online Certification course** on “Inspection and Quality control in Manufacturing”, during 2020.
- Mr.J.Nagendran/EEE**: Certified with **NPTEL-AICTE** for successful completion of **FDP** on “Non-Conventional Energy resources” during 2020.

## Faculty as Resource Person

Faculty Name	Events Details	Institution/Company	Date
Mr.Santhosh Kumar V V/HRDC	Webinar on "The Virus and its Global Effects"	Langlits Educators, Srilanka	18.07.2020
	Webinar on "Students Mentality: Post Covid"	Poombukhar College(Autonomous),	18.07.2020
	Webinar on " Stress Management"	Government Arts College for Women , Salem	19.07.2020
	Webinar on "Education : Post Covid"	Aringar Anna College	20.07.2020
	FDP on " Humongous Stress"	Government Arts College for Women	22.07.2020
	Webinar on " Creating Future Entrepreneurs "	EDC Cell, Salem	23.07.2020
	Career Guidance on "Recent Trends n the Core Discipline"	Department of Science & Humanities, Dhanalakshmi Srinivasan Engineering College(Autonomous)	28.12.2020 to 06.01.2021
Ms.M.Vinodhini/CIVIL	Guest Lecture on "Mechanics of Structures"	Dhanalakshmi Srinivasan Institute of Research & Technology	7.8.2020
Ms.N.Valarmathy/CIVIL	Guest Lecture on "Design of Steel Structures"	Dhanalakshmi Srinivasan Institute of Research & Technology	21.8.2020
Mr.M.Ramu/IT	Guest Lecture on "Computer Networks"	Navalar Nedunchezhiyan College of Engineering	23.11.2020
Mr.S.Saravanakumar/IT	Guest Lecture on "Software Project management"	Navalar Nedunchezhiyan College of Engineering	27.11.2020
Mrs.B.Karthiga/ECE	Orientation Programme on "Skill Development Module"	Department of Science & Humanities, Dhanalakshmi Srinivasan Engineering College(Autonomous)	28.12.2020 & 29.12.2020
Mr.Karthick Babu/BME			30.12.2020 & 04.01.2021
Mrs.M.Rekha/ECE			05.01.2021 & 06.01.2021
Dr.D.Katherasan/ROBO	Guest Speaker on titled "Prominence of Research & Article Preparation"	Research & Development (R&D) Cell, Dhanalakshmi Srinivasan Engineering College(Autonomous)	30.01.2021

## Faculty Participation

FACULTY NAME	EVENTS DETAILS	ORGANIZED BY	DATE
Mr.T.Ayyasamy	FDP ON "NEURAL NETWORK AND CNN"	NITTTR,CHANDIGARH	20.04.2020 -24.04.2020
	FDP ON "8051 MICROCONTROLLER AND ITS APP"	NITTTR,CHANDIGARH	27.04.2020 -01.05.2020
Mr.A.Mohamed Hamdan	FDP ON "MANUFACTURING AND ANALYSIS OF ADVANCED MATERIALS AND ENGINEERING STRUCTURE"	MLR INSTITUTE OF TECH.	26.05.2020 - 30.05.2020
	FDP ON "ETHICAL PRACTICES IN ENGINEERING"	SAIRAM ENGG. COLLEGE	28.05.2020 - 03.06.2020
	ONLINE TEACHING ETIQUETTE AND BEST PRACTICES	SANTHIRAM ENGG. COLLEGE	10.05.2020 - 15.05.2020
	NAAC AWARENESS PROGRAMME FOR FACULTY	MMIT, PUNE	08.05.2020 - 14.05.2020
Mr.V.Akilan Mr.R.Rajeshkumar	CAPACITY BUILDING PROGRAM AND POST COVID-19	GODAVARI INSTITUTE OF ENGINEERING &TECH	28.05.2020 - 29.05.2020
Mr.S.Karthikeyan	FDP ON "ADVANCEMENTS IN BIOTECHNOLOGY AND CHEMICAL ENGINEERING (ABC - 2020)"	VEL TECH HIGH TECH	08.06.2020 - 19.06.2020
	STTP ON "AN AWARENESS PROGRAMME - GREEN ENGINEERING CONCEPTS & TREATMENT METHODS FOR FARMERS IN RURAL AREA"	PAAVAI ENGINNERING COLLEGE	26.10.2020 - 31.10.2020
Mr.Manikandan.R.K	INTERNATIONAL WEB CONFERENCE ON ADVANCES IN MATHEMATICS	ST.MARYS COLLEGE	17.06.2020 - 19.06.2020

<b>Dr.J.Arun</b>	AICTE SPONSORED STTP(DEEP LEARNING IN IMAGE AND VIDEO PROCESSING)	VELAMMAL INSTITUTE OF TECHNOLOGY	14.12.2020 - 19.12.2020.
	FDP ON "SENSORS TECHNOLOGY"	ALL INDIA COUNCIL FOR TECHNICAL EDUCATION	07.12.2020 - 11.12.2020
<b>Mrs.S.R.Sowmiya</b>	AICTE SPONSORED STTP(EMPOWERING THE MORAL VALUES ,ETHICS AND BEHAVIORAL ATTITUDE IN TEACHING SKILLS AMONG TEACHERS )	N.G.P INSTITUTE OF TECHNOLOGY	01.12.2020 - 07.12.2020
	AICTE SPONSORED STTP(DATA SCIENCE: UNFOLDING LAYERS OF KNOWLEDGE)	ACROPOLIS INSTITUTE OF TECHNOLOGY AND RESEARCH	14.12.2020 - 19.12.2020
<b>Mr.G.Baskaran</b>	ONLINE COURSE(MACHINE LEARNING)	COURSEERA	02.05.2020 - 21.07.2020
<b>Mrs.B.Karthiga</b>	FDP BASICS OF MATLAB	KSR COLLEGE	22.04.2020 - 05.05.2020
	FDP NAAC REVISED FRAMEWORK	AAKSHYAPANA ACADEMY	01.05.2020 - 02.05.2020
	STTP ON REFRESHER COURSE ON ANALOG AND DIGITAL ELECTRONICS	NITTTTR,CHENNAI	04.05.2020 - 08.05.2020
	AICTE-ISTE SPONSORED REFRESHER PROGRAMME ON "BEST EDUCATIONAL PRACTICES"	THIAGARAJAR POLYTECHNIC COLLEGE	02.12.2020 - 08.12.2020
	FDP ON IOT	AICTE-ATAL, CHENNAI	11.05.2020 - 15.05.2020
<b>Mrs.P.Rajeswari</b>	STTP 7 DAYS ONLINE TEACHING-LERRNING TRAINING PROGRAMME	UGC-HRDC, ALGARH MUSLIM UNIVERSITY	01.05.2020 - 07.05.2020
<b>Mrs.M.Rekha</b>	FDP ON " INTERNET OF THINGS"	AICTE-ATAL, CHENNAI	11.05.2020 - 15.05.2020
	FDP ON LATEX IN ASSOCIATION	IIT BOMBAY BY SPOKEN TUTORIAL, IIT BOMBAY	27.04.2020 - 01.05.2020
	FDP ON NAAC REVISED FRAMEWORK	AADHYAPANA, BANGLORE	01.05.2020 - 02.05.2020
	AICTE SPONSORED ONE WEEK FDP ON "OUTCOME BASED EDUCATION: A STEP TOWARD EXCELLENCE"	GOVT COLLEGE OF ENGINEERING, MAHARASTRA.	11.05.2020 - 15.05.2020
	ISTE SPONSORED, STTP ON " OUTCOME BASED EDUCATION & NBA ACCREDITATION PROCESS"	P. R. POTE (PATIL) COLLEGE OF ENGINEERING & MGT , AMRAVATI	08.06.2020 - 12.06.2020
	QIP SPONSORED ONLINE TRAINING ON "IMPLEMENTATION OF OBE & ONLINE TEACHING"	NITTTTR,CHENNAI	14.12.2020 - 18.12.2020
	FDP ON LATEX TRAINING PROGRAM	V.O.CHIDAMBARAM COLLEGE	29.04.2020 - 05.05.2020
<b>Mr.T.Boopathy</b>	FDP ARDUINO	SRCAS	25.04.2020 - 29.04.2020
	FDP ART OF WRITING SCIENTIFIC REPORT	VALLIAMMAI ENGINEERING COLLEGE	14.05.2020 - 15.05.2020
	STTP EVALUATION OF POLYTRONICS IN FUTURE TECHNOLOGY	MAM COLLEGE	14.12.2020 - 19.12.2020
<b>Mr.V.Vijayakumar</b>	FDP CLOUD COMPUTING	ICT ACADEMY	30.04.2020 - 05.05.2020
	FDP ART OF WRITING RESEARCH ARTICLE IN HI-INDEXED JOURNALS	NEHRU ARTS & SCIENCE COLLEGE	29.04.2020 - 30.04.2020
	FDP MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE	LOYOLA INSTITUTE OF ENGG & TECHNOLOGY	04.05.2020 - 06.05.2020
	ONLINE COURSE ON AI	AICTE - ATAL	03.06.2020 - 07.06.2020
	WORKSHOP PATENT DRAFTING AND PROCESSION WITH IMPORTANCE OF TRADEMARK AND COPYRIGHT	JOURNAL OF ADVANCED ENGINEERING RESEARCH	06.05.2020 - 07.05.2020
	WORKSHOP MICROSOFT EXCEL FOR PROFESSIONALS & STUDENTS	DATASKILLS	22.04.2020 - 24.04.2020
	FDP NAAC AWARENESS PROGRAMME FOR FACULTY	MARATHWADA MITRA INSTITUTE OF TECH	08.05.2020 - 14.05.2020
<b>Ms.D.Sathyakala</b>	ONLINE FDP ON "AI"	AICTE-ATAL, NEW DELHI	11.05.2020 - 15.05.2020
	TEQIP III - ONLINE FDP" MACHINE LEARNING AND DEEP LEARNING APPLICATIONS IN ENGINEERING & SCIENCE	GOVERNMENT COLLEGE OF ENGINEERING, KARAD	16.05.2020 - 20.05.2020
	STTP (TEQIP-III) ON "BIO-ENERGY: TECHNOLOGIES & TRANSITIONS"	NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA	18.05.2020 - 22.05.2020





	FDP EMERGING TECHNOLOGY IN DATA SCIENCE	JEPPIAAR INSTITUTE OF TECHNOLOGY	18.05.2020 - 22.05.2020
	ONLINE FDP ON ARTIFICIAL INTELLIGENCE	SRIDEVI WOMENS'S ENGINEERING COLLEGE	22.05.2020 - 26.05.2020
	FDP ON ART AND SKILLS FOR EFFECTIVE TEACHING (ASET)	SAVEETHA TEACHING LEARNING CENTRE	25.05.2020 - 06.06.2020
	FDP CYBER SECURITY & EMBEDDED SYSTEMS	JEPPIAAR INSTITUTE OF TECHNOLOGY	26.05.2020- 27.05.2020
	FDP (TEQIP - III) SIGNAL , IMAGE & VIDEO PROCESSING: A PRACTICAL APPROACH (SIVPAPA-2020)	GOVERNMENT COLLEGE OF ENGINEERING KARAD	26.05.2020 - 30.05.2020
	ONLINE SPOKEN FDP ON ADVANCED COMMUNICATION LABORATORY	PSNA COLLEGE OF ENGINEERING & TECHNOLOGY	20.07.2020 - 25.07.2020
	ONLINE FDP ON ACCREDITATION TO ENGINEERING&PROFESSIONAL ETHICS	GOVERNMENT COLLEGE OF ENGINEERING, NAGPUR	08.07.2020 - 12.07.2020
	ONLINE FDP (TEQIP-III) PEDAGOGICAL TECHNIQUES	WALCHAND COLLEGE OF ENGINEERING, SANGLI,	10.08.2020 - 14.08.2020
	ONLINE COURSE BASICS OF MATLAB	KSR COLLEGE OF ARTS & SCIENCE	21.04.2020 - 04.05.2020
<b>Mr.N.Khadar Basha</b>	FDP ON RECENT TRENDS IN ELECTRONICS AND COMMUNICATION	BALAJI INSTITUTE OF TECHNOLOGY, TELANGANA	13.07.2020 - 18.07.2020
<b>Mrs.K.Mithradevi</b>	FDP OUTCOME BASED LEARNING IN HIGHER EDUCATION	KRISTU JAYANTI COLLEGE	24.04.2020 - 30.04.2020
	FDP AUGMENTED REALITY VIRTUAL REALITY	AICTE : ATAL ACADEMY	11.05.2020 - 15.05.2020
	FDP ON EVOLUTION OF TEACHING LEARNING PROCESS	BHARATH INSTITUTE OF HIGHER EDUCATION	11.05.2020 - 15.05.2020
	ONLINE COURSE "BASICS OF MATLAB"	KSRCAS	22.04.2020 - 05.05.2020
<b>Mr.S.Selvakumaran</b>	FDP ON RESEARCH METHODOLOGIES, TOOLS AND TECHNIQUES	QIS COLLEGE OF ENGINEERING & TECHNOLOGY, ONGOLE,	08.06.2020 - 12.06.2020
	FDP ON EXPLORE ELECTRICAL ENGINEERING IN ELECTRICAL APPLICATIONS	MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY	15.06.2020 - 19.06.2020
	FDP ON MATLAB APPLICATIONS IN MATHEMATICS	QIS COLLEGE OF ENGINEERING AND TECHNOLOGY, ONGOLE	15.06.2020 - 19.06.2020
	FDP ON RECENT CHALLENGES IN POWER SYSTEM	.V. COLLEGE OF ENGINEERING, TIRUPATHI	22.06.2020 - 26.06.2020
<b>Mrs.K.Preetha</b>	INTELLIGENT CONTROLLERS FOR RENEWABLE ENERGY SYSTEMS	P.S.R.ENGINEERING COLLEGE, SIVAKASI	02.06.2020 - 03.06.2020
	RESEARCH METHODOLOGIES, TOOLS AND TECHNIQUES	QIS COLLEGE OF ENGINEERING AND TECHNOLOGY, ONGOLE	08.06.2020 - 12.06.2020
	RECENT TRENDS IN ELECTRICAL ENGINEERING	VISHNU INSTITUTE OF TECHNOLOGY, BHIMAVARAM	08.06.2020 - 12.06.2020
	EXPLORE ELECTRICAL ENGINEERING IN ELECTRICAL APPLICATIONS	MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY	15.06.2020 - 19.06.2020
	MATLAB APPLICATIONS IN MATHEMATICS	QIS COLLEGE OF ENGINEERING AND TECHNOLOGY, ONGOLE,	15.06.2020 - 19.06.2020
	ROLE OF AUTOMATION TECHNIQUES IN ELECTRICAL ENGINEERING	ST.JOSEPH'S COLLEGE OF ENGINEERING, CHENNAI	15.06.2020 - 19.06.2020
	EVOLUTIONARY OPTIMIZATION TECHNIQUES	SSN COLLEGE OF ENGINEERING, CHENNAI	15.06.2020 - 17.06.2020
	AUTOMATION IN INDUSTRIAL REVOLUTION	KALASALINGAM INSTITUTE OF TECHNOLOGY	29.06.2020 - 01.07.2020
	NAAC ASSESSMENT AND ACCREDITATION PROCESS	SHADAN COLLEGE OF ENGINEERING& TECHNOLOGY	06.07.2020 - 17.07.2020
	RECENT RESEARCH TRENDS IN ELECTRICAL ENGINEERING	GAUTHAM BUDDHA UNIVERSITY, NOIDA	14.07.2020 - 18.07.2020
	ELECTRIC VEHICLES DESIGN, DEVELOPMENT & CHALLENGES	SRIDEVI WOMEN'S ENGINEERING COLLEGE	15.07.2020 - 21.07.2020
	MICROGRID - OPERATION & CONTROL	SSN COLLEGE OF ENGG	16.07.2020 - 18.07.2020

	RESEARCH CHALLENGES IN POWER ELECTRONICS AND POWER SYSTEMS	BALAJI INSTITUTE OF TECHNOLOGY & SCIENCE,	05.08.2020 - 07.08.2020
	STTP ON ADVANCED POWER SYSTEM SIMULATION SOFTWARES	SSN COLLEGE OF ENGINEERING, CHENNAI	25.06.2020 - 27.06.2020
	AICTE SPONSORED ONLINE STTP ON RECENT TRENDS IN HYBRID AND ELECTRIC VEHICLE TECHNOLOGIES	MAHARAJ VIJAYARAM GAJAPATHI RAJ COLLEGE OF ENGINEERING	06.07.2020 - 11.07.2020
	AICTE SPONSORED SIX DAYS ONLINE STTP ON SMART GRID – MONITORING, PROTECTION AND CONTROL	RMK COLLEGE OF ENGINEERING & TECHNOLOGY, CHENNAI	20.07.2020 - 25.07.2020
	FIVE DAYS SHORT TERM COURSE ON POWER ELECTRONICS APPLICATION IN SMART GRID AND ELECTRIC VEHICLE	SRI RAMAKRISHNA ENGINEERING COLLEGE	03.08.2020 - 07.08.2020
<b>Mr.J.Nagendran</b>	INTELLIGENT CONTROLLERS FOR RENEWABLE ENERGY SYSTEMS	P.S.R.ENGINEERING COLLEGE	02.06.2020 - 03.06.2020
	RESEARCH METHODOLOGIES, TOOLS AND TECHNIQUES	QIS COLLEGE OF ENGINEERING & TECH,	08.06.2020 - 12.06.2020
<b>Mr.C.P.Vignesh</b>	ELECTRIC VEHICLES: EXPLORING INSIDE THE BOX	MEA ENGINEERING COLLEGE, MALAPPURAM	08.06.2020 - 12.06.2020
<b>Mr.V.Vinothkumar</b>	INTELLIGENT CONTROLLERS FOR RENEWABLE ENERGY SYSTEMS	P.S.R.ENGINEERING COLLEGE, SIVAKASI	02.06.2020 - 03.06.2020
	INTEGRATION OF GREEN ENERGY WITH SMART POWER SYSTEMS	SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY,	22.06.2020 - 27.06.2020
<b>Mr.M.Bharath</b>	INTELLIGENT CONTROLLERS FOR RENEWABLE ENERGY SYSTEMS	P.S.R.ENGINEERING COLLEGE, SIVAKASI	02.06.2020 - 03.06.2020
	AICTE SPONSORED VIRTUAL STTP ON ENHANCEMENT AND REINFORCEMENT OF MORAL ETHICS TO THE LEARNED FACULTY MEMBERS	M.A.M. COLLEGE OF ENGINEERING & TECHNOLOGY	14-12-2020 - 19-12-2020
<b>Dr.V.Subha Seethalakshmi</b>	AICTE - STTP ON APPLICATIONS OF AI TOWARDS INDUSTRY 4.0	SRI SAI RAM ENGINEERING COLLEGE, CHENNAI	14.12.2020 - 19.12.2020
<b>Dr.Gopi.R, Mr.D.Vijayakumar, Ms.M.Bavithra</b>	AICTE SPONSORED FDP ON “RECENT ADVANCES IN BIG DATA ANALYTICS OF IOT DEVICES USING FOG COMPUTING”	MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY	14.12.2020 - 18.12.2020
	AICTE-STTP ON “IMPACT OF AI & DEEP LEARNING ON IoT FOR DESIGNING SMARTER PRODUCTS – A HANDS ON APPROACH”	FRANCIS XAVIER ENGINEERING COLLEGE, TIRUNELVELI	07.12.2020 - 12.02.2020
	AICTE - STTP ON “ DATA ANALYTICS AND SUPPORTING SERVICES USING MACHINE LEARNING “	DHIRAJLAL GANDHI OF TECHNOLOGY, SALEM	16.11.2020
<b>Ms.T.Gomathi</b>	STTP ON “IMPLEMENTATION OF MEDICAL IMAGE PROCESSING USING ADVANCED GREEN COMPUTING TECHNOLOGY”	SAVEETHA ENGINEERING COLLEGE	14.12.2020 - 19.12.2020
	FDP ON “AI AND IOT FOR MEDICAL APPLICATIONS”	GMR INSTITUTE OF TECHNOLOGY	01.06.2020 - 03.06.2020
<b>Mrs.R.Rajalakshmi</b>	FDP ON “INNOVATIVE ENTREPRENEURSHIP”	ANAND INSTITUTE OF HIGHER TECHNOLOGY	19.07.20
	FDP ON “APPLICATIONS OF MATHEMATICS”	KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES	24.07.20
	FDP ON “CHALLENGES IN CHEMISTRY AND ITS APPLICATION TOWARDS ENERGY RESOURCES”	M.G.R EDUCATIONAL AND RESEARCH INSTITUTE.	07.08.20
	FDP ON "LEARN ENGLISH TODAY FOR A BETTER TOMORROW"	MADURAI KAMARAJ UNIVERSITY	07.08.20
<b>Ms.A.K.Nivedha, Ms.S. Krishnapriya</b>	FDP ON “LABVIEW ON COMMUNICATION SYSTEMS AND SIGNAL PROCESSING”	VEL TECH MULTI TECH	01.12.2020 - 5.12.2020

# STUDENTS CORNER

## Student Highlights

The Anna University, Chennai released the **Rank List for APR/MAY 2020 Examinations** in its website. Two Students of our Institute secured the University Rank.

Student Name	CGPA	Secured Rank
<b>SRIVARSHINI S (Aeronautical Engineering)</b> 	8.44	8 <sup>th</sup> Rank out off 330 passed students
<b>PRAVEEN D (Mechanical Engineering)</b> 	8.85	23 <sup>rd</sup> Rank out off 7402 passed Students

**A.Darwin Raj, Mr.Joffy S Joseph, S.Ganeshan, S.Iswariya, V.AnandhaBabu** of Bio Medical Engineering participated in the All India Council for Technical (AICTE) Grand SMART INDIA HACKATHON 2020 (Finale of Hardware Edition) on 24.12.2020.

**A.HarrishRaj/CSE, R.Mugilesh/IT, S.Sabitha/ROBO, Anantha Krishnan/ROBO, P.V. Higgin / ROBO, Sai Teja J/MECH, Kotaru Naga Malleswara Rao/ECE, Doradla Sai Aditya/CIVIL** participated in the AICTE Chattra Vishwakarma Awards on December 15<sup>th</sup>, 2020.

**Vignesh & Team** from Department of Robotics & Automation Engineering demonstrated their project on **Automated Wi-Fi Controlled lights & Automation of household things** to the Principal on 17.12.2020.



- Iyer Venkatesh Ramasubramaniam / Department of Aeronautical Engineering** has been selected for doing his higher studies in L.L.B (Aviation) at Dy.Patil University, Mumbai.
- A.Jenifer / Department of CSE** won First prize in 110 hurdles conducted by Anna University (Zonal Level) sports on 06.06.2020.
- S.Hemashri, K.Sakthivel, R.Vinoth, M.Pavithra / Department of CSE** completed Type writing- English, Tamil during 01.06.2020 to 01.12.2020 for a period of 6 months at reputed Type Writing Institute.
- Jonnalagadda Padma Priya/ Department of ECE** won the Silver Medal in National Level Quiz -“Analog Electronics and VLSI design” conducted by IEEE Communication Society Students Chapter, Sreenidhi Institute of Science & Technology on 21.06.2020.
- R.Ramapriya/ Department of Food Tech** won the Second price in Poster presentation Competition in the “National level world Food day Day Celebrations” conducted by Karpagam Academy of Higher Education on 10-10-2020.
- U.Pooja/ Department of IT:** acquired Academic Excellence in NOV/DEC 2020 End Semester Examination conducted by the Anna University, Chennai.

## Journal Articles Published

- Priyadharshini R & Srivarshini S/Aeronautical Engg,** “A Computational Approach for Airfoil Noise Deduction Using Finlets”, National Conference on Recent Developments in Aerospace & Defence Technology, 70<sup>th</sup> AGM of The Aeronautical Society of India at Hindustan Institute of Technology and Science during 21-22 February 2020.
- Iyer Venkatesh Ramasubramaniam /Aeronautical Engg,** “Production of Syngas From Dwndraft Gasifier Using Anacardium Occidentale”, won the **Best Paper Award** in the Virtual Conference on Automation, Materials and Energy (VAME 2020) at Rajalakshmi Engineering College, 20.06.20.
- S.Sathya/EEE,**“Under water optical wireless communication link capability in deep ocean communication”, International Journal of Advances in Engg and Management,ISSN: 23955252,vol 2, Iss 6,pp:296-299, 2020.

## Secured 100% Attendance during Odd Semester (2020 – 2021)

Dept	Student Name				
<b>Aero/AS</b>	R.Priyadharshini	S.R.Narmatha	M.Ajitha	K.Priyanka	R.Renu Krishna
<b>CSE/MCA</b>	T .Aarthi	T .Abirami	N Ajithkumar	S.Dharshini	D .Divya
	M.Jersini	V .Karthika	K .Kaviya	M.Jothika	K.Madhubala
	R .Pooja	S.Santhosh kumar	A.Sathya	R .Selvasarathi	S Suruthi
	S.Mohamed Abisheik	Muthumeena	M .Sivasankari	Amitha Jayaraj	K.Arshana
	P.Maheswari	P .L .Minaal	D .Devakumar	K .Karthik Raja	J .Livina
	D .Maheshwaran	N .R .Boopathi	V.Atchaya	P .Subithra, V .Visu	S.Venkatesh

ECE	G .Roja	C .Shiny Gracy	A .Bhuvaneshwari	M.M. Kuttomparambil	
IT/Pharma	M .Abinash	K .Belka	R .Dharshini	S .Harithra	R .Manju
	P .Vinotha	C .Sneha	S .Srimathi	S .Sudharsan	S .Sunmathi
	Y .Thasleem Begum	D .Venmathi	S .Jayasuriya	S .Aswin	S .Kaviya
	R .Rakshini,	A .Abirami	M .Sanofar Hamili	K .Aarthi, C .Charulatha	R .Azhagesh

### Students' Participation

Name of the Student	Events Details	Institution/Company	Date
J.Kamalraj/Aero	Indian Space Programme-Present and Future	Rajalakshmi Engineering College	07.06.2020 -10.06.2020
Karthick K, M.Devi, , Madhunisha G / ECE	Online Short Term Training Program (STTP) on "Emerging trends in Robotics & its applications"	PSNA College of Engineering & Technology	09.09.2020 - 14.09.2020
Oguri vanaja/ECE	Online Workshop on "Introduction to MATLAB & its Applications"	Sri Venkateswara College of Engineering and Technology in association with Skill to Hire	06.06.2020 - 07.06.2020
Ajaya Devakan M/ECE	Online Summer Training on "Internet of Things"	WAC (What After College), Kyrion Technologies Pvt. Ltd.	01.04.2020 - 30.05.2020
	Online Workshop Series "Ethical Hacking Workshop"	WAC (What After College), Kyrion Technologies Pvt. Ltd. in association with Megalith, IIT Kharagpur	04.07.2020 - 05.07.2020
Vimala R, Kowsalya P / ECE	Online Workshop on "Microstrip Patch Antenna Design and Analysis"	Sathyabama Institute of Science and Technology	12.05.2020 - 14.05.2020
Karthick K / ECE	One day Workshop on "VLSI design using Cadence"	K.Ramakrishnan College of Engineering	07.02.2020
Nithin N Koshy, Ebin TA, Aju U P, Aiswarya P S / FD	International Conference on Sustainable Technologies in Healthcare and Environment	Kamaraj College of Engineering & Technology	06.03.2020 – 07.03.2020
Narmatha M / Pharma	National Web Conference	Anandibai Pradhan Science College	27.05.2020

### Bridge course Toppers from First year students

AAKASH S	DHARSHAN S	PRETHIBA E	SARANRAJ R	RAJA GURU M
MAHENDIRANS	SAKTHIVEL S	SIVAPRAKASH C	BALASUBRAMANIAN M	MOHANRAJ C
VASANTH T	GUHAN S	AKSHAYA M	MURALI S	KEERTHANA R
RAHIMA BEE S	VIGNESH V	PRAKASH RAJ M	LOGASRI M	

### Students' Contribution

✚ **Awareness Programme by the Students during COVID 19 at Home:** Our First year students created awareness on Safety & Preventive measures during COVID 19 by holding the captions related to COVID 19.

✚ With a token of remembrance, the **final year students from the Department of ECE (Batch 2016-2020)** contributed a CD Drive to the department.

✚ During the conduct of Campus Connect Campaign, the **second year students from Department of CSE** sponsored few books for their Department Library.



**DSEC Students involved in COVID 19 Awareness Programme at Home during July 2020**

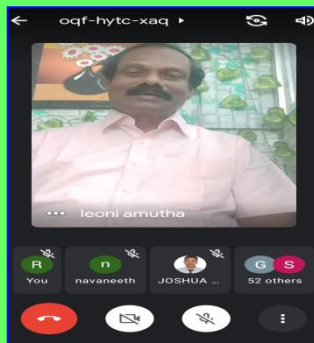
✚ The Final year students submitted their project work as a **Project proposal to Tamil Nadu State Council for Science and Technology (TNSCST)**. Through R&D cell, nine Project Proposal are submitted in TNSCT scheme on **21.01.2021**

## EVENTS CORNER

- ✦ **International Webinar** was organized on **July 15, 2020**, titled “**Convolutional Neural Network in Deep Learning**”. Resource Person was **Dr.Kim, Professor Emeritus, Hannam University, Korea**.
- ✦ **Internal Quality Assurance Cell (IQAC)** in Association with **Skill to Hire** organized a two days National Level Workshop on “**Easy implementation of LMS in Institute**” on **25.07.2020 to 26.07.2020**.
- ✦ **Student Enrichment Program** was organized for all the students of II, III & IV years during **12.08.2020 to 14.08.2020** on various aspects like Career opportunities, Programming Language, Motivational session, Higher Education Awareness, Soft Skill and Recent technologies.
- ✦ **Webinar on Awareness towards Online Interview** was conducted on **16<sup>th</sup> August 2021** for Final year students by HRDC.
- ✦ **Association of ECE, HERTZ - 2020** was inaugurated on **27.08.2020** in virtual mode by **Mr. Arunkumar, Campus Relationship Manager, My Anatomy Integration Pvt Ltd, Bangalore**.
- ✦ **Webinar on “Industrial safety”** was organized for **IV Year students** by **Department of ECE**.
- ✦ **Webinar on “Recent trends on Cloud Computing”** was conducted on **28.08.2020** by **Department of ECE**. Resource Person: **Mr.C.P.Shabariram, Department of CSE, PSG Institute of Technology and applied Research, Coimbatore**.
- ✦ **HRDC in Association with ICTACT** organized an Orientation Session of **Online Recruitment Process of HEXAWARE** on **14.09.2020**.
- ✦ **Virtual Hands on Training on Embedded system Programming with IDE tools** was offered for **IV Year ECE students** By **Mr.Matheeshkumar, Embedded Program Developer ,SD Pro Engineering Solution Pvt Ltd**.
- ✦ **Live Webinar** was organized by **MBA** on **01.12.2020** to the **II-year students**. Title: **Effective way of Preparation of Project work**.
- ✦ **Virtual power seminar on Employability Skills for future** was organized on **15.12.2020** in Association with **ICT Academy**: Resource Person are **Mr.R.Sathishraj, CEO, E-Crusaders, Mr.Festus Boaz Edwards, Allsec Technology Pvt Ltd**.
- ✦ “**Reinstallation Robotics and Automation (RAA) laboratory**”, a program organized by the **Department of Robotics and Automation** on **17.12.2020**.
- ✦ **Campus Connect Campaign (CCC)** was scheduled for **II -Year students** from **04.01.2021 to 09.01.2021**. The students are connected to the departments and their faculties in direct mode. Nearly **580 students** attended the Programme.
- ✦ **Career Enhancement Programme** was organized for **PG students** on **07.01.2021**. Resource Person-**Prof.C.Noel Mani, Principal, Alagu Jothi Academy International School, Mayiladuthurai**.
- ✦ **Research and Development (R&D) Cell**: Organized an **Internal Webinar on Prominence of Research & Article Preparation** on **30.01.2021**.
- ✦ **R&D cell** Organized a **Faculty Orientation** webinar on “**Higher Education in Lockdown**” by inviting an eminent resource person **Mr.Dindigul I Leoni** on **06.02.2021**



**Campus Connect Campaign (CCC) for II Year students**



**Webinar by Mr.Dindigul I Leoni on 06.02.2021**



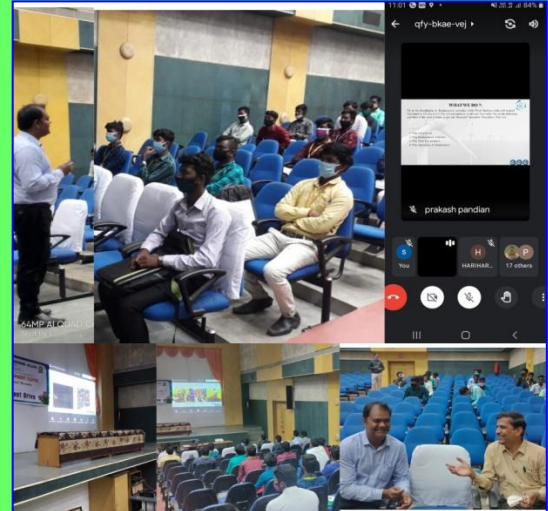
**Reinstallation of RAA lab**

# CAMPUS RECRUITMENT

## Human Resource Development Cell (HRDC) Events

- ✦ The HRDC gave an **invited talk** to our students during the conduct of **Student Enrichment Programme** from **12.08.2020 to 14.08.2020**.
  - ✦ The **Dean - HRDC** presented a **motivational Career Guidance** for our **First year students** during **28.12.2020 to 06.01.2021**.
  - ✦ **Placement Training Programme** was conducted for the **IV year students** during the month of **October 2020**.
- PLACEMENT RECORD (2020 -21) AS ON 03.02.2021**

NAME OF THE COMPANY	PLACED STUDENTS COUNT
WORKSBOT APPLICATIONS PRIVATE LIMITED	71
HUDSON TECHNOLOGIES	52
IDBI FEDERAL LIFE INSURANCE PVT LTD	150
WINDCARE INDIA PRIVATE LIMITED	62
SPEED TEAM WIND PRIVATE LIMITED	40
SUTHERLAND GLOBAL SERVICES, FOCUS EDUMATICS PRIVATE LIMITED	33
FAURECIA INDIA PRIVATE LIMITED	56
148	
BLUEZ INFOMATICS , COIMBATORE	124
PANTECH PROED PVT LTD	6
TOTAL	742



**WINDCARE INDIA PRIVATE LIMITED:  
Campus Drive through Virtual Mode**



**PANTECH PROED PVT LTD:  
Personal Interview process**



**HRDC Team members with our recruiters**



**WINDCARE INDIA PRIVATE LIMITED:  
HR members are invited by the Principal**

## DSEC Glimpses

*Our Department Heads and Faculties are appreciated by our Dynamic Secretary on 31.12.2020*



**Department of Biomedical Engineering**



**Department of Electrical & Electronics Engineering**



**Department of Electronics and Communication Engineering**



**Department of Computer Science & Engineering  
Department of Information Technology**



**Department of Mechanical Engineering**



**Department of Civil Engineering**



**Department of Science and Humanities**



**Department of MBA**



**Human Resource Development Cell**



**DSEC Office Staffs**



***DSEC INFRASTRUCTURE***



***A BLOCK***



***B BLOCK***



***C BLOCK***



***D BLOCK***

## VISION

An active and committed centre of advanced learning focused on research and training in the fields of Engineering, Technology and Management to serve the nation better.

## MISSION

- To develop eminent scholars with a lifelong follow up of global standards by offering UG, PG and Doctoral Programmes.
- To pursue Professional and Career growth by collaborating mutually beneficial partnership with industries and higher Institutes of research.
- To promote sustained research and training with emphasis on human values and leadership qualities.
- To contribute solutions for the need based issues of our Society by proper ways and means as dutiful citizen.

## 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.



# DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE (AUTONOMOUS)

Approved by AICTE and Affiliated to Anna University, Chennai  
Accredited with 'A' Grade by NAAC | Accredited with NBA (BME, ECE and EEE)  
Thuraiyur Road, Perambalur - 621 212.



Dear Stake holders,

### WE ARE DELIGHTED IN SHARING THE HIGHLIGHTS OF DSEC :

- University Grants Commission (UGC), New Delhi and Anna University, Chennai has Conferred Fresh **Autonomous** Status to Dhanalakshmi Srinivasan Engineering College for a period of **Ten years** with effect from 2020-2021 to 2029-2030.
- Accredited with 'A' Grade by **NAAC**.
- Departments of EEE, BME and ECE are accredited by **NBA**.
- Accredited by **Tata Consultancy Services (TCS)**.
- Unique Courses are Available with Enriched Lab Facility.
- Central Library** of Fully Air Conditioned is available with Wide variety of Resources and Journals.
- AICTE** Funded Skill and Personality Development Centre - **Centre of Excellence**.
- Activity Based Learning and Project Based Learning with Live Demonstration.
- Smart classes** and **Virtual Class room** for Effective Teaching in all Departments.
- Industry Supported course and Value Added Course.
- 24 Hours **Wi-Fi** Facility.
- Good Placements - Multi National Companies (MNC).
- Clean Conscious Environment and Lush Green campus.



### LIST OF PROGRAMMES OFFERED

#### UG PROGRAMMES

B.E. Aeronautical Engineering  
B.E. Aerospace Engineering  
B.E. Biomedical Engineering  
B.E. Civil Engineering  
B.E. Computer Science and Engineering  
B.E. Electrical and Electronics Engineering  
B.E. Electronics and Communication Engineering

B.E. Mechanical Engineering  
B.E. Robotics and Automation  
B.Tech. Chemical Engineering  
B.Tech. Food Technology  
B.Tech. Information Technology  
B.Tech. Pharmaceutical Technology  
B.Tech. Artificial Intelligence and Data Science

#### PG PROGRAMMES

M.E. CAD/CAM  
M.E. Communication Systems  
M.E. Computer Science and Engineering

M.E. Power Electronics and Drives  
M.B.A. Master of Business Administration  
M.C.A. Master of Computer Applications

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