

# DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE

**E-Spectra'15  
News Letter  
Jul-Dec 2015  
Volume-I, Issue-I**



## **ELECTRONICS AND COMMUNICATION ENGINEERING**

### **E-Spectra'15**

**DSEC**, Department of Electronics & Communication Engineering is proud to publish its **NEWS LETTER 2015-2016** (Volume-I, Issue-I).

The objective of this News Letter is to keep our stakeholders informed about the activities happening in the Department.

We release the e-copy of newsletter, **E-Spectra'16** comprising the details of our student's activities and faculty activities.

It encloses the activities such as Professional Society activities, Conferences attended and paper published in International and National journals by staff members and competitions won by the students and innovative projects carried out by them.

I am sure the college will scale upto greater heights in the years to come and serve many more in the society.

### **Inside,**

- About E-Spectra'15
- Department profile
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- PEOs & PSOs
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- Students Participation & Achievements
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**Send your feedback about  
E-Spectra'16 News letter to  
[ecedsec@gmail.com](mailto:ecedsec@gmail.com)**

## **DEPARTMENT PROFILE**

The department of Electronics and Communication Engineering was established in the year 2001 during which the undergraduate programme was introduced. Post graduate programme was established in the year 2007 and it offers communication systems.

Under the UG programme, the total sanctioned student strength is 60 and now it is increased 120 to 180 in the Academic Year (2012-2013). Under the PG programme, the total sanctioned student strength is 18 and now it is increased to 36. The department is accredited by NBA and received an AICTE fund of Rs: 1,25,000 in the academic year of 2009-2010 and Rs: 5,00,000 in the academic year of 2011-2012 for MODROBS.

The department has highly qualified, committed and research oriented faculty members and supported by trained technical non-teaching staff. The department enjoys the privilege of having spacious and well-equipped laboratories that provide students, the industrial environment much needed for real life training.

The department has very close interaction with many leading industries in the country and research laboratories. Guest lectures, workshops, Industrial Visits, In-plant training, seminars, symposia, in-house projects in collaboration with well-established companies and other personality development that cater to the quest of today's society as well as student professionals.

The department shares the mission and vision of the institution, in imparting high quality education to the students.

### **Vision**

To be a centre of repute for higher learning and research to cater the knowledge in Electronics and Communication field to the ever growing needs of industries and to facilitate the transformation of students into good human beings.

### **Mission**

- M1:** 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
- M2:** Promote a research activity through constant interaction with research organizations and industries
- M3:** Instigate our students to become responsible citizens and competent professionals with high ethical values
- M4:** Enable students to develop skills to solve complex technological problems of time and also provide a framework for promoting collaborative and multidisciplinary activities

### **Program Educational Objectives (PEOs)**

- PEO1:** An in-depth knowledge and demonstrations related to the core area of Electronics and Communication Engineering, starting from the basics to the level of analysis, synthesis and design of circuits and systems, in addition to the exposure on latest advancements in the field
- PEO2:** Knowledge of recent design trends and adapt to new technologies through lifelong learning
- PEO3:** Technical knowledge, ethical values for professional development of the student to solve complex problems and to work in multi-disciplinary ambience, whose solutions lead to significant societal benefits
- PEO4:** Motivation to pursue higher studies so that they can contribute to the teaching profession, research and development of Electronics and Communication Engineering

### **Program Specific Outcomes (PSOs)**

- PSO1: Fabrication of Electronic Components:** Graduates of the program will design a hardware model in real time applications using embedded technology and fabricate electronic equipment used in communication industries
- PSO2: Usage of Tools:** Graduates can exploit tools like Xilinx, Tanner, IE3D, Labview, Matlab, ModelSim, Keil and OrCAD to meet desired specifications with realistic constraints such as manufacturability and sustainability

## ACTIVITIES OF DEPARTMENT ASSOCIATION (HERTZ)

S. No.	Event	Activity Name	Date	Resource Person with Designation
1.	Wireless Network	Guest lecture	23.07.15	Dr.K.Venkatalakshmi University College of Engineering, Dindivanam
2.	Recent Trends in Wireless Communication	National Level Technical Seminar	19.08.15	Dr.G.Nagarajan, Pondicherry Engineering College, Pondicherry
3.	Emerging Trends In Communication	Conference – Invited talk	09.09.15	Dr.P.Palanisamy, NIT-Trichy

### GUEST LECTURE – 23<sup>th</sup> July 2015



## **NATIONAL LEVEL TECHNICAL SEMINAR - 19th Aug 2015**

**“RECENT TRENDS IN WIRELESS COMMUNICATION”**

**Resource Person: G.Nagarajan,**

HOD, Electronics and Communication Engineering,

Pondicherry Engineering College.



## **CONFERENCE – 09th Sep 2015**

Department of Electronics and Communication Engineering conducted National Conference on **“EMERGING TRENDS IN COMMUNICATION”** on **09<sup>th</sup> September 2015** in the college Auditorium. The Chief Guest **Dr.P.Palanisamy**, NIT, Trichy discussed the importance of communication and recent trends in communication like cognitive radio, UWB, green computing and how to control the errors during the transmission. He also said about the side effects of mobile phones and advised the students not to use mobile phones for a long period of time.

## **STUDENTS PARTICIPATION & ACHEIVEMENTS**

<b>S. NO.</b>	<b>STUDENT NAME</b>	<b>EVENT NAME</b>	<b>PLACE</b>	<b>DATE</b>
1.	SHARAN JASMINE A	National Level Workshop	Kongunadu College of Engineering	22.08.2015
2.	SANDHYA C	National Level Technical Symposium (Paper Presentation)	Mount Zion College of Engineering and Technology	26.08.2015
3.	VIVEKIYA. R			
4.	S. PRADHEEPA	National Level Workshop	Kongunadu College of Engineering	29.08.2015
5.	MAHALAKSHMI A	National Level Technical Symposium (Paper Presentation)	Kings College of Engineering	19.09.2015
6.	U.INDHUJA			
7.	ABINAYA M	National Level Technical Symposium (Paper Presentation)	K.Ramakrishnan College of Engg.	22.09.2015
8.	HEMALATHA C			
9.	U.INDHUJA			
10.	ABINAYA M	National Level Technical Symposium (Dumbcharades)	K.Ramakrishnan College of Engg.	22.09.2015
11.	HEMALATHA C			
12.	U.INDHUJA	National Level Technical Symposium (Zirkuit Konkxia)	K.Ramakrishnan College of Engg.	22.09.2015
13.	ARULSIVAARASI. A	National Level Technical Symposium (Paper Presentation)	Sri Shanmugha college of Engg. And Technology	26.09.2015
14.	DURGALAKSHMI. C			
15.	IYAPPAN S	National Level Technical Symposium (Paper Presentation)	MAM School of Engineering	30.09.2015
16.	KRISHNAN.R			
17.	V.SARANYA	Workshop	u.n.i.q Technologies (Android)	07.12.2015

## INPLANT TRAINING

S. No.	Name of the student	Concern	Date	Duration
1.	K.V. Vaishnavi	U.N.I.Q Technologies, Chennai	04.12.15 to 08.12.15	5 days
2.	A. Omezhilan			
3.	A. Sathish			
4.	V. Saranya			
5.	M.Sooriya prabha	All India Radio, Nagercoil	09.12.15 to 24.12.15	16 days
6.	A.Sharan jasmine			
7.	M.Nitharshani			
8.	A.Dhanalakshmi			
9.	R.Anbazhagan	Adhityaa Info Media Solutions, Chennai	21.12.15 to 26.12.15	6 days
10.	K.Balaji			
11.	B.Guna			
12.	C.Karthikeyan			
13.	K.Nijanth			
14.	P.Veeradevan			
15.	G.Keerthana	Siddhi Soft Solutions, Trichy	28.12.15 to 31.12.15	4 days
16.	S.Keerthana			
17.	M.Mohana			
18.	P.Anushiya			
19.	S.Babitha			
20.	A.Jasmine			
21.	M.Nathiya	NCCT, Embedded Design and Development	28.11.15 to 10.12.15	13 days
22.	M.Ramya			
23.	S.Rency			
24.	S.Sathyavani			
25.	C.Sindhu			
26.	K.V.Vaishanavi			
27.	S.Ramya			

## INTERNSHIP

S. No.	Students Name	Industry name / Type of Industry (Core / Noncore)
1.	Arpita Mondal	South Eastern Railway, Calcutta, Core
2.	Abhay Kumar Pinku	BSNL, Patna, Core
3.	Kumar Satyam	
4.	Priyanka. R	TNPL, Karur, Core
5.	Saranya J	
6.	Sujatha. M	
7.	Vivekiya. V	BSNL, Port Blair, Core

## FACULTY PUBLICATIONS

S. No.	Name of the Faculty	Title Name	Journal Name
1.	Mrs. P. Rajeswari	Maximum Broadcast in Wireless Networks Using Time Sequence Approach	International Journal for Research in Emerging science and Technology
2.	Ms.D.Sathyakala Mrs.S.Nithya	MDF Architecture design for Radix-2 <sup>k</sup> FFT	International Journal of Multidisciplinary Research and Modern Education
3.	Mrs. P. Rajeswari	Power Consumption and Residential Monitoring From Solar PV System	International Journal for Research in Emerging science and Technology
4.	Mr.A.Yogeshwaran Ms.S.Linnet Sowmiya	Study of frame sense algorithm	International Journal of Advanced Trends in Engineering and Technology
5.	Mrs. P. Rajeswari	Power Consumption and Residential Monitoring From Solar PV System based on PLC Term	International Journal of Electronics and Communication Engineering
6.	Mrs. P. Rajeswari	PV System For Residential Monitoring System Based on Power Line Communication	International Journal of Scientific Engineering and Applied Science