

DHANALAKSHMI SRINIVASAN ENGINEERING COLLEGE



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

E-Spectra' 17

News Letter
Jul - Dec 2017
Volume - III, Issue - I

About E-Spectra'17

DSEC, Department of Electronics & Communication Engineering is proud to publish its **NEWS LETTER 2017-18** (Volume-III, Issue-I).

The objective of this News Letter is to keep our Students, Parents, Faculty and Industry informed about the activities happening in the Department.

With the help of our association, we release the e-copy of biannual newsletter, **E-Spectra'17** 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'17
- Department profile
- Vision & Mission of the department
- PEOs & PSOs
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Dear Readers, Kindly send your feedback about E-Spectra'17 News letter to 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

STUDENT ORIENTATION PROGRAM

On 19th June 2017 to 24th June 2017



19th Jun 2017 Department faculty speech



20th Jun 2017 PDP class



21st June 2017 Placement Talk



22nd Jun 2017 Motivational Speech



23rd Jun 2017 Student Seminar



24th June 2017 Student Activity

PROFESSIONAL SOCIETY ACTIVITIES

Students participated in different activities



Motivational speech by
Mr.M.Karthikeyan,
Department of MBA

Placement talk by
HRDC



INDUSTRIAL VISIT

On 1st and 2nd Sep 2018

No. of students - **89**

**Chips Software System private Ltd
and Techno valley software India
private limited, Kerala**

FACULTY PUBLICATIONS

S. No.	Name of the Faculty	Title Name	Journal Name
1	Mr.V.Vijayakumar, Mr.V.Prabhakaran	Implementation of real time radiological monitoring in Nuclear facility using Zigbee Technology	International Journal of Advanced Trends in Engineering and Technology
2	Mrs. B.Karthiga	Image Registration based Cervical Detection and Segmentation Using ANFIS Classifier	Asian Pacific Journal of Cancer Prevention
3	Ms.K.Suganya, Mr.A.Yogeshwaran	Design of Cylindrical Slot antenna for FSS configuration	International Journal of Advanced Trends in Engineering and Technology
4	Mrs.S.Anandi Reddy, Mrs.S.S.Sathya	Voice transmission using Li-Fi Technology	International Journal of Scientific Research and Modern Education
5	Mrs.V.Karolin Jennifer Mr.N.Khadar Basha	Comparison of RF Id and Biometrics for security	International Journal of Scientific Research and Modern Education

STUDENT ACHIEVEMENTS

S. No.	Student Name	Event	Place	Prize / Participation
1.	Rishiya Sithiravel	International Workshop on world hands-on security forensics	Microsoft Research Community Group, Chennai	World Record Award
2.		17 th ISTE TN Section Annual Convention of Engineering Students 2017	Tagore Engineering College, Chennai	Best Student Award
3.		Technical Quiz		Participation
4.		Technical Quiz		First
5.		Paper Presentation on Door locking System using password in Microcontroller	Rover Engineering College, Perambalur	Second
6.		Circuit Debugging		First
7.		Smart India Hackathon 2017	New Delhi	
8.		Hands on Workshop on DSP and MATLAB	TRP Engineering College- Trichy	
9.		Workshop on Ethical Hacking	St.Joseph's College, Trichy	
10.		Paper Presentation on Synthesis Characterization Biological Screening of Some Novel Triazole Derivatives	Prathap Plaza Hotel, Chennai	Participation
11.		National Level Seminar on HR innovative practices	Dhanalakshmi Srinivasan Engineering College, Perambalur	
12.		Vortex Workshop		
13.		National Level Technical Symposium Vortex'17	NIT, Trichy	
14.	Akshayaa.P	International Workshop on world	Microsoft Research Community Group,	World Record Award

		hands-on security Forensics	Chennai	
15.		Circuit Debugging	Rover Engineering College, Perambalur	First
16.		Technical Quiz		First
17.		Paper Presentation on Door Locking system Using Password in microcontroller		Second
18.		Smart India Hackathon	New Delhi	Participation
19.		National Level Seminar	Dhanalakshmi Srinivasan Engineering College, Perambalur	
20.		Workshop on Advanced Antenna Design and Applications	SRM University, Chennai	
21.		Workshop on DSP and MATLAB	TRP Engineering college, Trichy	
22.		Workshop on Cloud Computing	NIT, Trichy	
23.		Hand on Security Forensics Workshop		
24.		Vortex workshop		
25.		National Level Technical Symposium Vortex'17		
26.		Paper presentation on synthesis characterization Biological Screening of some Novel Triazole Derivatives	Prathap Plaza Hotel, Chennai	
27.		Workshop on Ethical Hacking	St.Joseph's college-Trichy	
28.		Workshop on Augmented Reality	NIT ,Trichy	
29.	Merlin Nisha. P	Vortex workshop National Level Seminar on HR Innovative Practices	Dhanalakshmi Srinivasan Engineering College, Perambalur	Participation

30.	Bairavi.M	Internet of Things Workshop	MIT , Chennai	Participation
31.	Radhakrishnan.S	Python Language Workshop	NIT ,Trichy	
32.	Monika.B	Two Day workshop on IOT	Microwin Automation, Trichy	
33.	Ramya.K			
34.	Swetha Shree.S	Workshop on DSP and MATLAB	TRP EngineeringCollege, Trichy	
35.		Technical Quiz	Tagore Engineering College, Chennai	
36.	Sahithiya Sithiravel	Workshop on DSP and MATLAB	TRP Engineering College, Trichy	World Record Award
37.		International Workshop on World Hands-on Security Forensics	Microsoft Research Community Group, Chennai	
38.		Hackathon'17	St.Joseph's College, Trichy	Participation
39.		Workshop on Ethical Hacking		
40.		Vortex Workshop	NIT, Trichy	
41.		National Level Technical Symposium Vortex'17		
42.	Technical Quiz	Tagore Engineering College, Chennai		
43.	Arun.R	Workshop on python Language	NIT, Trichy	
44.	Mahalingam.P			
45.	Saranya.M.S	International Workshop on world hands-on security forensics	Microsoft Research Community Group, Chennai	World Record Award
46.		Vortex Workshop	NIT, Trichy	Participation
47.		National Level Technical Symposium Vortex'17		
48.	Saratha Priya C	International Workshop on World Hands-on Security	Microsoft Research Community Group, Chennai	World Record Award

		Forensics			
49.	Saranya.M.S	Workshop on Ethical Hacking	St.Joseph's college, Trichy	Participation	
50.	Saranya.M.S	Technical Quiz	Rover Engineering College, Perambalur		
51.	Achsah V Simon				
52.	Selva Jency A				
53.	Saranya.M.S	Circuit Debugging			
54.	Achsah V Simon				
55.	Selva Jency A				
56.	Saranya.M.S	Paper Presentation on DC Motor Speed Control using Microcontroller			
57.	Achsah V Simon				
58.	Selva Jency A				
59.	Vyshanavi N Nair	Circuit Debugging			
60.		Technical Quiz			
61.		Paper Presentation on Vehicle Cabin Monitoring Systems			
62.		Paper Presentation on Synthesis Characterization Biological Screening of Some Novel Triazole Derivatives			Prathap Plaza Hotel, Chennai
63.	Sharnika.S	Project Presentation			Dhanalakshmi Srinivasan College of Engineering, Perambalur.
64.	Sharnika.S	Workshop on Industrial Automation			AGIIT, Chennai
65.		Vortex workshop		NIT, Trichy	
66.		National Level Technical Symposium Vortex'17			