



# **Dhirajlal Gandhi College of Technology**



**Department of Electronics and  
Communication Engineering**

**News Letter 2016-2017**

**Even Semester**

# **Dhirajlal Gandhi College of Technology**



**Chairman**

**Shri. Dhirajlal A Gandhi**



**Secretary**

**Smt. Archana Manojkumar**



**Principal**

**Dr. V. Murali Bhaskaran**

## **Department of Electronics and Communication Engineering**



**HOD/ECE**

**Dr. M. Sumathi M.E., Ph.D.,**

**News Letter 2016-2017  
(Even Semester)**

## **Department of Electronics & Communication Engineering**

The objective of the ECE department is to foster the students to cultivate academic integrity with professional and social responsibility to meet the exponentially growing requirement of practical design engineers in the country and abroad. The department has highly qualified, experienced and dedicated faculty members who have a strong commitment towards providing quality engineering education with high emphasis of electronics design aspects and to bring out quality research experience to the students in order to help them excel in current competitive scenario. The mission of the department is to impart quality education to the students, an education that includes the skills of innovation, problem solving, consensus-building and those of entrepreneurship, so that they meet the challenging requirements of the global market with competence in ethical and moral reasoning.

### **Vision**

To be globally recognized for providing value based engineering education and research in the field of Electronics and Communication Engineering.

### **Mission**

- To impart quality education to students that includes skills of innovation, problem solving, teamwork and technopreneurship.
- To craft professionals to meet the challenging requirements of global market and provide solutions to societal problems with ethical and moral reasoning.
- To establish Centre of Excellence in emerging areas in the field of Electronics and Communication Engineering.
- To undertake Collaborative work with industry to provide solutions for technical challenges.

*Knowledge transferred is Knowledge gained*



# Department of Electronics and Communication

*-Place for freedom of creativity and innovation*

## Campus lecture

Campus lecture on **entrepreneurship** through **PALS** by Prof.Ragavan ,IIT Chennai  
Mr.Senthil Shankar, MD,SreeRanga Polymers and Ms.Vijayalakshmi, PALS core team  
member on 05.01.2017



## Women empowerment awareness

One day program on **women empowerment** by Mr.C.Robinson and Ms. Poongodi on  
07.02.2017

## Guest Lecture:

Guest lecture on **“Signals and Image processing”** by Dr.S.Suganthi, Mtech, Phd (IIT-M),  
Technical Lead, R&D,TATA Elxi, Chennai on 11.02.2017



Special lecture on “**Outcomes and opportunity of IEEE blended course on VLSI**” by Mr.G.B.Venkatesh, Product Manager, IEEE, Bengaluru on 08.02.2017



Guest Lecture on “**VLSI Design and Verification & its opportunities**” by Mr. Rajanikanth AR VLSI Content Development Specialist IEEE India – Bangalore on 20.03.2017



## FACULTY ACHIEVEMENTS

### Faculty achievements for the year 2016-17 (even)

S.No	Description	Total
1	FDP	2
2	Seminar	1
3	Workshop	4
4	International Journal	2
5	Conference	5
Total		14

### Papers Published

1) N. Ayyanar, R. Vasantha Jayakantha Raja, D. Vigneswaran, B. Lakshmi, M. Sumathi, K. Porsezian (2017), Highly efficient compact temperature sensor using liquid infiltrated asymmetric dual elliptical core photonic crystal fiber, *Optical Materials Elsevier*, 64(2017), 574-582, 0925-3467

2) Ayyanar, N., Vigneswaran, D., Sharma, M., Sumathi, M., Rajan, M. M., & Konar, S. (2016). Hydrostatic Pressure Sensor Using High Birefringence Photonic Crystal Fibers. *IEEE Sensors Journal*.

**STUDENT ACHIEVEMENTS:****Workshop/Seminar attended**

<b>S.N O</b>	<b>DATE</b>	<b>NAME OF THE STUDENT</b>	<b>YEAR</b>	<b>TITLE</b>	<b>NAME OF THE COLLEGE</b>	<b>PRESENTED/ PARTICIPATE D/ AWARDED</b>
3	28.6.16	S.Hepsi Margrate	III	Workshop on Matlab	Livewire, Salem	Participated
4	29.6.16	R.R.Deepthi	III	Android	Uniq technologies	Participated
5	30.6.16	P.Kavitha M.Keerthana R.L.Janani	III/A	Android workshop	Uniq technologies	Participated
6	3.7.16	S.Abinaya	III	Real time applications on embedded system	LIVEWIRE	Participated
7	13.7.16	X.Naveen Kumar M.Mohan kumar R.Pavithran S.Manoj kumar B.Samrethi K.Santhosh K.Sabarinath K.Sekar P.Sabithra C.Gayathri V.Dhanushiya	III/A/B	Android workshop	Uniq technologies	Participated
8	Aug 2016	D.Janani G.Nandhini B.Manishaa	II	Electroniks	Livewire, Salem	Participated
9	30.08.1 6	A.Manisha K.Maheshwari S.Madhuvanathi T.Chitra N. Naga vaishnavi	II	Integration of keil and proteus for microcontroller based applications	Anna university, coimbatore	Participated

10	Sept 2016	Fahima zulfath.A	II	Introduction to modern applications development	Online courses -IITM	Completed
11	4.9.16	.Manojkumar .S Hepsi margrate.s	III	IEEE blended learning program in VLSI	Online courses	Completed
12	19.9.16	P.Monica	III	Game Arc2k16	SNS college of technology	Participated
13	23.9.16	S.Gokiladevi	III	3D printing	VIT University	Participated
14	15.12.16	.Manojkumar .S R.Pradeep	III	Think create engineer program	IIT Madras	Completed
15	18.12.16	M.Subash	II	Routing and switching	Livewire, Salem	Participated
16	28.1.17	M.Subash P.Shalini	II	App development in trends in android	Alph-E	Attended
17	4.2.17 to 5.2.17	B.Manishaa R.Pradeep	II	Smart IOT development	NIT,Trichy	Participated
18	4.2.17 to 5.2.17	Sunantha.E M.Sangeetha M.Subash R.Suvathika	II	Face recognition using deep learning	NIT,Trichy	Participated
19	4.2.17 to 5.2.17	M.subash	II	Matrix	NIT,Trichy	Participated
20	5.2.17	Fahima zulfath.A	II	Emerging technologies	CoderDojo,Salem	Participated
21	17.2.17	S.Gokiladevi Hepsi margrate.s	III	Python programming	Dr.Mahalingam college of Engineering and technology	Participated

22	18.2.17	R.Suvathika	II	Ethical hacking	KSR institute for Engineering and technology, Tiruchengode	Participated
23	19.2.17	M.Subash	II	Digital India	Softtech system solutions	Participated
24	8.3.17	S.Gokiladevi	III	Design and development of microcontroller based system using RENESAS-RL78	GCE,Salem	Participated

#### External value added program

S.NO	DATE	NAME OF THE STUDENT	YEAR& SEC	TITLE	NAME OF THE COLLEGE	PRESENTED/ PARTICIPATED/ AWARDED
1	27.6.16 to 1.7.16	R.Saranya	II Year	Value Added Course - PLC	Powerdot automation, Bengaluru.	Participated

#### Project presentation

S.NO	DATE	NAME OF THE STUDENT	YEAR & SEC	TITLE	NAME OF THE EVENT	PRESENTED/ PARTICIPATED/ AWARDED
1	2016	Hepsi Margrate.S	III	Voice for dump	Hackathon 2016-Project contest	Participated
2	2016	D.S.Prasanna devi B.Nivedarsini R.Pradeep	III	IOT Based Automatico mengairi	Texas Innovation challenge	Shortlisted for TI
3	18.9.16	B.Gokilavani A.Fahima Zulfath V.Deekshidha	III/A	Project Presentation	Livewire ,Salem	Participated

4	18.9.16	V.Manimala N.Gayathri S.Kowsalya	III/A	Project Presentation	Livewire ,Salem	First Prize
5	27.9.16	M.Subash	II	Project presentation	KIOT	Participated
6	28.1.17 to 29.1.17	S.Aishwarya P.Monica	III	VI based analogous computation for fabrics using arduino mega	Project-ESIC 2017	Best project in state level
7	28.1.17 to 29.1.17	K.S.Suvedha S.Venkata ramya C.B.Subhashini	II	Sansfil soil bare bone surveillance system	Project-ESIC 2017	Best project in state level
8	28.1.17 to 29.1.17	Sunantha.E M.Sangeetha	II	Hassle free parking	Project-ESIC 2017	Best project in state level
9	17.2.17	S.Poornima P.Kanimozhi R.Dharani	II	Solar smart phone charger	Kongu Engineering College, Erode	II prize
10	27.2.17	N.Nagavaishanavi	III	Paper presentation	Government College of Engineering,Sale m	Participated
11	8.4.17	N.Nagavaishanavi Varshini J.S S.Suba	III	Corporation water distribution leakage detection reporting and control systems for smart cities	Sri Sairam Engineering college,Chennai	Second position
12	8.4.17	R.Suvathika	III	Dr.APJ Abdul kalam Innovation Ecosystems	Sri Sairam Engineering college,Chennai	Participated
13	2016-17	M.K.Soundar Rajan M.Yamuna Raani M.Subha	IV	Wavelet based elimination of heart sound from lung sound for the diagnosis of sibilant rhonchi	Tamilnadu state council for science and technology	Participated

## Paper presentation

S.No	DATE	NAME OF THE STUDENT	YEAR & SEC	TITLE	NAME OF THE COLLEGE	PRESENTED/ PARTICIPATED/ AWARDED
1	2.9.16	S.Abinaya	III	Becons a paradigm for communication	TKEC	Participated
2	18.9.16	Hepsi margrate	III/A	Paper presentation	Livewire	Second Prize
3	29.9.16 to 30.9.16	V.Saranya	III	Paper presentation	Paavai Engineering college	Participated
4	4.2.17 to 5.2.17	B.Manisha K.Nithya	II	Paper presentation	NIT,Trichy	Participated
5	17.2.17	N.Nagavaishnavi	II	IOT instant market creator	PSG Institute of technology and applied research	Participated
6	27.2.17	G.Nandhini B.Manisha N.Nagavaishnavi M.Peer Mohamed D.Janani R.Gousika	II	Paper presentation	GCE,SALEM	Participated
7	27.2.17	S.Pavithraa K.Nithya	II	Paper presentation	GCE,SALEM	III prize
8	3.3.17	R.Ayswaryya C.B.Subhashini	II	Instant market creator for the welfare of the farmers	Nandha college of technology, Erode	I prize
9	9.3.17 to 10.3.17	J.Vimala	M.E	Design of fiber bragg grating for sensing applications	GCE,Salem	Participated
10	9.3.17 to 10.3.17	A.Sangami	M.E	Design and analysis of subcarrier multiplexing using radio over fiber technology	GCE,Salem	Participated

11	10.3.17 to 11.3.17	Hepsi Margrate	III	Paper presentation	Sri Krishna college of technology	Participated
12	11.3.17	V.Saranya	III	Paper presentation	Narasus sarathy institute of technology	Participated
13	28.3.17	L.Bharathiraja	II	Paper presentation	RVS technical campus - Coimbatore	Participated

### Other events

S.N O	DATE	NAME OF THE STUDENT	YEAR	TITLE	NAME OF THE COLLEGE	PRESENTED/ PARTICIPATED / AWARDED
1	2016	R.L.Janani	III	Hackathon 2016	Anna university-Titan company limited	Participated
2	16.09.16 to 17.09.16	N.Naga vaishnavi	II	IOT Challenge 2016 event	Bannari amman institute of technology	Participated
3	29.09.16 to 30.09.16	V.Saranya	III	Connection event	Paavai engineering college	Second prize
4	14.10.16 to 16.10.16	Hepsi Margrate Abhinaya	III	Content writing	Sastra university	Participated
5	11.10.16 to 18.10.16	Abhinaya	III	Idea presentation	Sastra university	Participated
6	11.03.17	V.Saranya	III	Code debugging	Narasus Sarathy Institute of technology	First prize
7	2017	N.Naga vaishnavi R.Pradeep	II	Quiz and oratory- Saarang 2017	IIT-Madras	Participated
8	2017	M.Sangeethaa Gousika Ayswaryya Rajasekaran	II	EK bhara tshreshtha bhara t quiz	Online – Government of India	Participated
9	2017	Hepsi Margrate	III	EK bhara tshreshtha bhara t quiz	Online – Government of India	Participated

10	2017	Ayswaryya Rajasekaran	II	Governance Quiz 2017	Online – Government of India	Participated
11	2017	Ayswaryya Rajasekaran	II	GST Quiz	Online – Government of India	Participated
12	2017	Ayswaryya Rajasekaran	II	International Women’s day Quiz	Online – Government of India	Participated
13	23.03.17	K.Bharat S.Abianandh	II	Event- KENSHO’17	Sri Krishna college of Engineering and technology	Participated
14	28.03.17	L.Bharathiraja	II	Technical quiz	RVS technical campus coimbatore	III Prize

### Sports activities

S.NO	DATE	NAME OF THE STUDENT	YEAR	TITLE	NAME OF THE COLLEGE	PRESENTED/ PARTICIPATED/ AWARDED
1	11.8.16 to 12.8.16	N.Nagavaishnavi R.Ayswaryya	III	Anna university zonal Tournaments- Basketball	DGCT(held at)	Runner
2	23.8.16	Abilash.R	II	Anna university Inter zonal athletic-Handball	P.S.V college of engineering and technology	3 <sup>rd</sup>
3	20.9.16 to 21.9.16	S.Abianandh	I	Anna university zonal Tournaments- Volleyball	Annapoorna Engineering college	Winner
4	27.9.16	S.Rashika	II	Anna university Inter zonal athletic- 100metres	Adhiyamaan college of Engineering	2 <sup>nd</sup>
5	27.9.16	S.Rashika	II	Anna university Inter zonal athletic- 400metres	Adhiyamaan college of Engineering	2 <sup>nd</sup>

6	27.9.16	S.Rashika	II	Anna university Inter zonal athletic- 4*400metres	Adhiyamaan college of Engineering	3 <sup>rd</sup>
7	24.11.1 6 to 27.11.1 6	M.Sugana	III	Sports Development authority of Tamilnadu-Weight lifting -+75KG	Sports Development authority of Tamilnadu, Salem	2 <sup>nd</sup>
8	19.12.1 6 To 21.12.1 6	M.Sugana	III	Anna university Inter zonal Tournaments	Sasuri Academy College	3 <sup>rd</sup>

**Thank You**

***Do engineering & Enjoy Engineering***