



# **Dhirajlal Gandhi College of Technology**



**Department of Electronics and  
Communication Engineering**

**News Letter 2017-2018**

**Odd 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 2017-2018  
(Odd 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***

## Inauguration of IETE and Empezar

Inauguration of IETE and department student's association Empezar by Mr.Suresh Srinivasan, Senior director QA,Virtusa Polaris,Chennai on 05.08.2017



Mr.A.P.Jayamurugaraja,trainer/TSTE, students and faculty members of DGCT



Special lecture on **Test Engineering** by Mr. Anand Muthiah, VP Tessolve



## Engineer's day celebration:

As a part of engineer's day celebration project and poster contest was conducted on 31.08.2017 and 01.09.2017.

**Chief Guest:** Ms.Vishnu Priya

**Inauguration of TSTE lab and guest lecture (23.06.2017)**

As a initiative for (Tessolve Semiconductors Test Engineering) TSTE skill development course, special lab (**Tessolve Semiconductors Test Engineering Lab**) was setup and was inaugurated by **Mr. Anand Muthiah, VP Tessolve** and **Mr.D.Rajkumar, VP Tessolve** in the presence of **Shri. Dhirajlal Gandhi (Chairman DGCT), Dr.V.Muralibaskaran,Principal/DGCT, Dr.M.Sumathi HOD/ECE, Ms.DhanyaMenon, Technical team head, Tessolve, Ms.M.Subha, Test Engineer, Tessolve, Mr.B.Prasad,Trainer/TSTE**

## Seminars

As a part of Keysight Education Safari program a one day seminar on “ **The latest measurement devices and its utility**” by Mr.Rajkumar from Keysight technologies was held on 22.06.2017



Seminar on “**PCB design and fabrication**” by Mr.Karthick, Livewire, Salem on 05.09.2017

## Workshop

**Workshop on IoT** by Mr.T.N.Rajvignesh, Mr.Harsha Prasanna, Salieabs electronics Engineers LLP from 19.08.2017 to 20.08.2017



## Training:

**Training on LG Lite ATE Kit – & Semiconductor Test Engineering** by MR. MAHESH BHATKAL, Director R & D, Applied Digital Microsystems, Mumbai on 10.07.2017



## Special achievement

Nagavaishnavi N ,S.Suba of 3<sup>rd</sup> year ECE department, participated in **Intel higher education challenge 2017** on cyber physical systems ,reached final round in national level and awarded with **cash prize of Rs.5000/-**



## FACULTY ACHIEVEMENTS

### Faculty achievements for the year 2017-18 (odd)

S.No	Description	Total
1	Journals Publications	4
2	FDP	3
2	Seminar	4
3	Workshop	1
Total		12

### Papers Published

- 1) Vigneswaran, D., Ayyanar, N., Sumathi, M., & Rajan, M. M. (2017). Tunable differential modal gain in FM-EDFA system using dual pumping scheme at 100 Gbps system capacity. *Photonic Network Communications*, 1-10.
- 2) Mahalakshmi, P., Venkatesh, S., Sumathi, M., Yamunadevi, R., Ayyanar, N., & Rajan, M. M. (2017). Manipulating high birefringence in elliptical core meta fiber by varying metal/dielectric concentration of the framed AMM. *Optical and Quantum Electronics*, 49(6), 202.
- 3) Selvakanmani S., Sumathi, M. (2017). A Novel Channel Selection Algorithm in Cognitive Radio Networks. *An International Journal on Applied Mathematics and Information Sciences*, 11(5), 1499.
- 4) Vigneswaran, D., Ayyanar, N., Sharma, M., Sumathi, M., Ranjan, M., & Porsezian, K. (2017). Salinity Sensor Using Photonic Crystal Fiber. *Sensors and Actuators A: Physical*.

**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/ PARTICIPATED / AWARDED</b>
1	20.3.17	S.Nishanth R.Kaviyarasan K.Saranya	III	World biggest International hands on security forensics workshop	Wikitechy and Microsoft research community group,Chennai	Participated
2	22.7.17 - 23.7.17	Venkata Haritha.V	II	Android	Sona college of Technology	Participated
3	4.8.17- 5.8.17	P.Shalini S.Venkata ramya M.Subash S.Sugumar C.B.Subhashini	III	Android application development for beginners	Kongu Engineering College	Participated
4	10.8.17 and 11.8.17	R.Divya Danesh.K.V	II	National workshop on cyber security	SRM University	Participated
5	18.8.17	S.Moulika A.Deepika Dharshini.R J.R.Krishma shree G.Bhowsiya	II	PCB designing	Thick India	Participated
6	19.8.17 and 20.8.17	P.Karthick S.Gayathri Benjamin Dison M,Gayathridevi K.Jothimangalam S.Kavya R.Gopika S.Gokulapriya A.Manisha P.Deepa K.Linthana V.Deekshidha B.Gokilavani S.Karthika S.Mohanpriya E.Sunantha	II/III	Internet of Things	Salieabs Electronics Engineers LLP, Salem	Participated

		M.Sangeetha K.N.Yaswanth R.Thurumalai kumar C.B.Subhashini Venkata ramya R.Pavithra G.Kowsalya S.Poornima P.Kanimozhi T.Chithra G.Mohana priya S.Madhuvanathi D.Naveen kumar G.Naveen S.Vasanthy C.Priya Venkata haritha S.Nithya P.Bhuvaneshwari S.Sridevi R.Srinivasan S.Jesuraj J.Keerthana N.Indushree M.Gayathridevi K.Aswini				
7	19.8.17	E.Kamala Karthik R.Gokulraj Danesh .K.V	II	Internet of Things(IOT-2017)	Institute of applied electronics and information systems,Chennai	Participated

8	23.8.17	M.Kadiresan S.Nishanth Arif nassar S.Akil harish S.Sugumar M.Subash K.Soundharya S.Preetha A.Ragavi R.Sri vaishanavi K.Santhosh kumar S.Ramya	III	ICT academy youth leadership summit 2017	Codissia trade fair complex,Coimb atore	Participated
9	7.9.17- 9.9.17	R.Dharshini L.Bharathi Raja T.K.Agila S.Karthiksiva Annies P.M	II	Industrial application monitoring and control using IOT	Bannari amman Institute of Technology	Participated
10	7.9.17- 9.9.17	R.Pradeep	III	Electronic rapid prototyping workshop	Bannari amman Institute of Technology	Participated
11	7.9.17- 9.9.17	M.Monica	III	Hands on training on wireless communication using Qualnet	Sri Ramakrishna Engineering College,Coimbat ore	Participated
12	8.12.17	R.Pradeep	III	Android Workshop	Codebind technologies, Coimbatore	Participated

### External Value Added Program

S.NO	DATE	NAME OF THE STUDENT	YEAR	TITLE	NAME OF THE COLLEGE	PRESENTED/ PARTICIPATED/ AWARDED
1	2017	L.Bharathiraja	II	Value Added Course – C programming	Aptiva authorized training centre	Participated

2	2017	L.Bharathiraja	II	Value Added Course – Hardware maintenance and servicing	Aptiva authorized training centre	Participated
3	2017	L.Bharathiraja	II	Value Added Course – networking and administration	Aptiva authorized training centre	Participated

### Project presentation

S.N O	DATE	NAME OF THE STUDENT	YEAR	TITLE	NAME OF THE COLLEGE	PRESENTED/ PARTICIPATED/ AWARDED
1	9.9.17	Nagavaishnavi N S.Suba	III	Project Expo-Jal Samrakshan	KPR institute of technology, Coimbatore	1 <sup>st</sup> prize with cash of Rs.3000/-
2	9.9.17	S.Kowsalya V.Manimala N.Gayathri	III	Project Expo-IOT based firestorm perception	KPR institute of technology, Coimbatore	Participated
3	9.9.17	S.Nishanth	III	Project Expo-Advanced urgency sistema cecontrol de trafico	KPR institute of technology, Coimbatore	Participated
4	7.9.17 to 9.9.17	S.Nishanth	III	Project Design	Bannari amman Institue of Technology	Participated
5	2017	Nagavaishnavi N S.Suba j.S.Varshini	III	e-Yantra Ideas competition	Eyantra-IIT Bombay	Participated
6	25.10.17 to 27.10.17	Nagavaishnavi N S.Suba	III	Intel higher education challenge 2017 on cyber physical systems	Conducted by INTEL at SJB Institute of technology, Bengaluru	Reached final round in national and awarded with cash prize of Rs.5000/-

**Other events**

<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/ PARTICIPATED / AWARDED</b>
1.	7.9.17 - 9.9.17	S.Nishanth R.Pradeep	III	Circuit debugging	Bannari amman Institute of Technology	Participated
2	7.9.17 to 9.9.17	R.Pradeep	III	Fact and furious Quiz club	Bannari amman Institute of Technology	Participated
3	9.9.17	S.Nishanth	III	Circuit debugging	KPR Institute of Engineering and technology	Participated
4	8.12.17	R.Pradeep	III	Corporate training test	Code debugging technologies, Coimbatore	Participated
5	21.12.1 7	Ayswaryya R	III	IOT applications- online contest	Texas instruments	Participated

**Extra-curricular activities**

<b>S. No</b>	<b>DATE</b>	<b>NAME OF THE STUDENT</b>	<b>YEAR</b>	<b>TITLE</b>	<b>NAME OF THE COLLEGE</b>	<b>PRESENTED/ PARTICIPATED/ AWARDED</b>
1	5.12.17	J.R.Krishma Shree	II	District level declamation contest on "Patriotism and nation building"	Periyar university, Salem	Participated

### Sports activities

S.NO	DATE	NAME OF THE STUDENT	YEAR & SEC	TITLE	NAME OF THE COLLEGE	PRESENTED/ PARTICIPATED/ AWARDED
1	21.08.17 to 22.08.17	N.NagaVaishnavi S.Keerthana V.Keerthana U.Jayabharathi	III	Anna university inter zonal tournaments -Basket ball (women)	Knowledge Institute of technology	Winner
2	25.09.17 to 26.09.17	M.Suguna	III	Anna university inter zonal tournaments -Weight lifting	Mount zion college of Engineering and technology	Third

**Thank You**

***Do engineering & Enjoy Engineering***