



# E-Sancharika

## DEPARTMENT OF ECE NEWS LETTER

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### About The Department

The ECE Department was established in 2011 with an intake of 120 students. Dr. P. H. Gopal Mani, HOD ECE completed Ph.D in Embedded Systems and he has 36 years of experience. The department has excellent laboratories and well qualified 24 faculty. The department trains the young engineers to cater to the technological needs of the nation. The faculty members are associated with IETE, IEEE & CSI.

### Faculty Achievements

Dr. Pallavi Khare, Asst. Professor has got the patent for the title SARITA - the Coupling and Design Quality analyzer on 07/04/2017.  
Mr.K. Koteswara Rao, Asst. Professor has got the patent for the title Investigation of 2DEBG ground plane effect in array antenna design on 10/02/2017

### Students' Achievements

Ms. Anuhya, Ms. Poojitha, Ms. Laxmi Prasanna, Ms. Suchitra, . Ms. Kanya Kumari, Ms. A. Madhuri of II year A section has participated in "Face -off & Wire-O-Thon" held at Aanvik 2017 in MVSR Engineering College on 1<sup>st</sup> and 2<sup>nd</sup> March 2017.  
Mr.B. Chandrakanth & Mr. Koneti Sairam of II year A section has participated in the event "Trishna- Technical Quiz" of AAKRUTHI 17, A National Level symposium conducted by Department of ECE, Osmania University on 10<sup>th</sup> and 11<sup>th</sup> March 2017.  
Ms. Anuhya, Ms.Manasa Gayathri, Ms. Veena vishnukruthi, Ms.Madhuri of II yr A - Sec has attend Quizotic competition held at OU on 27.03.2017.  
Ms.V.Mounika, of III yr A - Sec has achieved INAE Fellowship to work in 'REDPINE" Signals (will attend from this summer)  
Ms.V.Sai Deeepthi of III yr A - Sec has achieved INAE fellowship to work in 'PES' University Bangalore (will attend from this summer)  
D.Prithvi Krishna of III yr A - Sec has attended Indian Academy of Science Summer Internship Program At IIT Madras and also achieved INAE fellowship to work in 'PES' University Bangalore (will attend from this summer)  
Mr.Ch.Krishna Mohan & Fathima Fouzia of III yr A - Sec has secured first prize in paper presentation on Humanoid Robotics at MVSR Engineering college on 01.03.2017.  
Mr.Buchi babu of III yr B - Sec, Mr.Prashanth of II yr A - Sec, Mr. Harsha & Mr.Satya Adithya II yr B - Sec are participating in ISIE Electric Solar Vehicle Championship - 17 at Bhimavaram on 28.03.2017 - 02.04.2017

### Departmental Events

The following events were organized during the second Semester-

- International Conference on Recent engineering & Tech, conducted on 07.04.2017
- Two Industrial Study Visits were organized i.e., to ISRO- Bengaluru and SHAR Centre Nellore for BE III year ECE students during February 2017.
- IEEE SKILL CONNECT Program at MEC from Mar - Jun 2017 through which 12 students qualified for Phase B (Workshop).

### VISION

- To become a reputed Department of learning in Electronics and Communication in research and transform the students in to professional engineers.

### MISSION

- To provide strong foundation in core electronics and communication engineering that will make students to explore advances in research for higher learning.
- To provide the learning ambience to nurture the young minds with theoretical and practical knowledge to produce employable and competent engineer.
- To imbibe moral values, professional ethics, team spirit and leadership qualities among students and faculties to contribute to the continuously evolving technologies.
- To inculcate empathy for societal needs and concern for environment in engineering research development and practices.

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### Editorial Team:

Dr. P. H. Gopal Mani, Professor & Head, -  
Editor Dr.Pallavi Khare, - Co-Ordinator  
Mr.M.Naresh, - Co-Ordinator

#### Student Co Ordinators:

Mr. M.Sai Kumar, III ECE  
Ms. Srinija, III ECE  
Mr. Akshit Alwala, II ECE  
Mr. K. Pavan Kumar II ECE

**FDPs/Workshop/Seminar attended by Faculty**

Mrs. A. Narmada, Mrs. P. Sravani and Mrs. K. Vijetha attended a 2 day workshop on “Analog VLSI design from 17.03.2017 to 18.03.2017 at CBIT, Hyderabad.

Mrs. B. INDIRA PRIYADARSHINI and Dr. PALLAVI KHARE attended a Two Week ISTE STTP on CMOS, Mixed Signal And Radio Frequency VLSI design from 30.01.2017 to 04.02.2017 at Sree Datta Institute of Engineering & Science, Hyderabad

**Guest Lectures**

About 6 Extension Lectures were conducted in the department during second Semester i.e.,

Seminar on “Recent Advances in Space Craft Technology - Indian Scenario” by Dr. N. Lakshminarayana, SC ‘H’, Dy. General Manager, ISTRAC, ISRO- Bengaluru	4 hours	06.04.2017	MEC, Hyderabad
Seminar on “Glimpses of Indian Space Technology” – Sri.N.Lakshmi Narayana	4 hours	06.04.2017	MEC, Hyderabad
Guest Lecture on “Satellite Technologies Advances” by by Dr. N. Lakshminarayana, SC ‘H’, Dy. General Manager, ISTRAC, ISRO- Bengaluru	4 hours	04.04.2017	MEC, Hyderabad
Guest Lecture on “Advances in DIP” by Koduri Srinivas Deputy Director NRSC-IEEE Chair Hyderabad.	4 hours	20.04.2017	MEC, Hyderabad
Guest Lecture on “IoT Applications” by Professor CRN Sarma	4 hours	10.04.2017	MEC, Hyderabad
Guest Lecture on VLSI & Embedded Systems with Applications – Dr.N.S.Murthy, Professor NITW	4 hours	09.03.2017	MEC, Hyderabad

**Faculty Publications**

The following papers were presented in various Conferences by the ECE faculty members

Name of the Faculty	Paper Title	Conference Name	ISBN	Year Published
D. Nagaraju	Body Biased High Speed Full Adder to LNCS/LNAI/LNBI	CCINS, Springer	978-981-10-3226-4_8	2017
B. Indira Priyadarshini	A noble algorithm for Detecting Heart Diseases	ICETESM	978-93-86171-32-0	2017
B. Indira Priyadarshini	32-bit MAC unit design using Vedic Multiplier	ICRIET	978-81-904760-9-6	2017
B. Indira Priyadarshini,	High speed modified Booth encoder multiplier for signed and unsigned no.	ICRIET	978-81-904760-9-6	2017

The following papers were presented in various reputed journals by the ECE faculty members

Name of the Faculty	Title	Journal Name	ISSN	Vol. No.	Year Published
B. Indira Priyadarshini	A Noble algorithm for Detecting Heart Diseases	IJEEEE	2321-2045	9	2017
B. Indira Priyadarshini	32-bit MAC unit design using Vedic Multiplier	IJSIET	978-81-904760-9-6	4	2017
B. Indira Priyadarshini	High speed modified Booth encoder multiplier for signed and unsigned no.	IJSIET	978-81-904760-9-6	4	2017
M. Naresh	Robot Drawing Vehicle	IJMETMR	2348-4848	4	April 2017
Dr. Pallavi Khare	Modifying Images for Color Blind Viewers	IJSIET	978-81-904760-9-6	4	May 2017