DECEMBER 2016 Vol. 2 Issue 1

E-Sancharika

DEPARTMENT OF ECE NEWS LETTER

DECEMBER 2016 Vol. 2 Issue 1

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

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 21 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. Nukala Srinivasa Rao, Professor, ECE has been awarded by IEEE-USA-Member & Geographic activities for his notable services and significant contributions towards advancement of IEEE and the Engineering Professions for the year 2016 in Antennas, Microwaves and EMC.

Students' Achievements

Mr. Abhay Joshi of IV year B section has been

- Awarded the Indian National Academy of Engineering Mentorship under Prof. Shiban K Koul at Centre for Applied Research in Electronics, IIT New Delhi wherein he worked on design and fabrication of various microwave components June- 22nd July 2016.
- Awarded the prestigious Indian Academy of Sciences Research Fellowship to work under Prof. Abha Misra at the Department of Instrumentation and Applied Physics, IISc Bengaluru wherein he worked on "Experimental System Design for measuring mechanical properties of Carbon Nano Tubes" 22nd July- 16th September 2016
- Nominated as the Section Student Representative of the IEEE Hyderabad Section wherein he currently managed more than 300 student branches amounting to more than 3500 student members across the states of TS & AP 30th June 2016.

Events organized by the Department

The following 4 events were organized during the from June to December 2016

- .Internet of Things (IoT) Jointly organized by IEEE EDU Soc in Assoc with IEEE Hyd Sec. on 30.07.2016
- Women in Engineering & Career Guidance. Jointly organized by IEEE EDU Soc in Assoc with IEEE Hyd Sec.& WIEAG.on 06.08.2016
- Quality Initiatives In outcome Based Technical Education (NBA Awareness Workshop) Jointly organized by IEEE EDU Soc in Assoc with IEEE Hyd Sec.& MEC from 01.09.2016 to 03.09.2016
- Technical Study Visit.(GATEC) organized by IEEE (MJCET) on 09.08.2016

Guest Lectures by the Department

Guest Lecture on " Microwave & Millimeter Wave tech" by by Dr. SK. Koul, Emeritus Professor IIT New Delhi	4 hours	04.12.2016
Women in Engineering & Career Guidance, Jointly organized by IEEE EDU Soc in Assoc with IEEE Hyderabad Sec.& WIEAG.	4 hours	06.08.2016
Guest Lecture on "Internet of Things (IoT)" Jointly organized by IEEE EDU Society	8 hours	30.07.2016

FDPs/Workshops/Seminars by Faculty

Name of the Faculty	No.of DPs/Workshops/Seminars
Dr. N. Srinivasa Rao	06
Dr.P.H.Gopal Mani	04
Dr.K.Usha	05
Mrs. A. Narmada	02
Mr. V. Karunakar Reddy	01
Mrs. A.S.Keerthi Nayani	04
Mrs. P. Sravani	04
Mr. A. Abhishek Reddy	01

Name of the Faculty	No.of DPs/Workshops/Seminars
Mrs. K. Vijetha	05
Mr. D. Nagaraju	02
Mrs. B. Indira Priyadarshini	04
Mr. P. Ravi Kumar Reddy	01
Mr. M. Naresh	01
Mrs. K. Aruna	03
Dr. Pallavi Khare	08
Mr.CH. Madhu Babu	01

Faculty Publications

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

Name of the Faculty	International / National Conference Papers	Conference Name	Year Published
Dr. Nukala Srinivasa Rao	Antenna Signature Alteration using Meta Material for Mobile Phone Application	NCRCECT	2016
Dr. Nukala Srinivasa Rao	Recent Advances in Wireless Networking in Automation for Video Broad casting	NCRCECT	2016
B. Indira Priyadarshini,	A robust network application algorithm based on the framework of nearest prototype	ICEECS	2016
Dr. Pallavi Khare,	Fuzzy C-means clustering with kernel metric and local information	NCAIT	2016
Dr. Pallavi Khare,	Modified weighted fuzzy C-Means clustering algorithm	NCACTA	2016
Dr. Pallavi Khare,	Devising Classifiers for analyzing and classifying Brain Tumor using integrated framework PNN	IEEE explorer	2016
Dr. Pallavi Khare,	A frame work to Migrate legacy application to sky-LAPM2C	National seminar and poster presentation on Science	2016

Similarly about 7 papers were presented by the faculty in various reputed journals

Name of the Faculty	Title	Journal
Mrs.K Vijetha,	Performance Analysis of Different Multipliers for Embedded and DSP Applications	IOSR Journal of VLSI and Signal Processing
P. Sravani,	Enhanced Tree Based Mostly Geographic Routing in Wireless Device Networks Among obstacles.	JCSIET
Mrs.B. Indira Priyadarshini	A robust network application algorithm based on the framework of nearest prototype	IJACET
Mrs.B. Indira Priyadarshini	A Noble algorithm for Detecting Heart Diseases	IJEEE
Mrs.B. Indira Priyadarshini	32-bit MAC unit design using Vedic Multiplier	IJSIET
Mrs.B. Indira Priyadarshini	High speed modified Booth encoder multiplier for signed and unsigned no.	IJSIET
Mr.M. Naresh,	Robot Drawing Vehicle	IJMETMR