



ANTRIX NEWS LETTER

January 2015- June 2015
Half-Yearly

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES (Autonomous) :: RAJAMPET

AN EXCLUSIVE NEWS LETTER OF DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
FROM ANTRIX-ECE ASSOCIATION

Reach us at www.aitsrajampet.ac.in/ecedept/index.htm

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Antrix Newsletter is an amalgamation of all the events held in the Department of Electronics & Communication Engineering, Annamacharya Institute of Technology & Sciences, Rajampet. This e-News letter is compiled by Antrix-ECE Association with the inputs of the Faculty and Students of the Department. It plays an instrumental role in providing a greater exposure of the achievements accomplished.



VISION

To offer educational experiences those make the students globally competent, socially responsible and bring in answers to ever-ebbing problems in the field of Electronics & Communication Engineering.

MISSION

To offer high quality premier education in the field of Electronics & Communication Engineering and to prepare students for professional career and higher studies. To promote excellence in technical research, collaborative activities and positive contributions to society

Program Educational Objectives (PEOs)

- 1) Work efficiently as Communication Engineers, including supportive and leadership roles on Multidisciplinary teams
- 2) Communicate effectively, recognize and incorporate societal needs and constraints in their professional endeavors, and practice their profession with high regard to legal and ethical responsibilities,
- 3) Engage in life-long learning, such as graduate study, to remain current in their profession and be leaders in our technological society.

PROGRAM OUTCOMES

Students in the Electronic and Communication Engineering program should, at the time of their graduation, are in possession of:

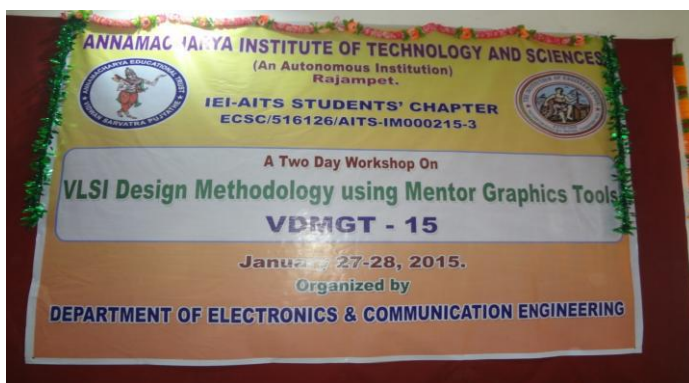
- a) An ability to apply knowledge of mathematics, probability & statistics, science and engineering as it applies to the fields of software and hardware
- b) An ability to design and conduct experiments, as well as to organize, analyze, and interpret data
- c) An ability to identify, formulate, and solve hardware and software problems using Electronic Science principles
- d) An understanding of professional, legal, and ethical issues and responsibilities as it pertains to Communication engineering
- e) An ability to effectively communicate technical information in speech, presentation, and in writing
- f) A recognition of the need for an ability to engage in lifelong learning,
- g) A knowledge of contemporary issues
- h) An ability to design and construct a hardware and software system, component, or process to meet desired needs, within realistic constraints such as economic, environmental, social, political, ethical, health & safety, manufacturability, and sustainability.
- i) An ability to function on multidisciplinary teams.
- j) The broad education necessary to understand the impact of computing in a global, economic, environmental, and societal context.
- k) An ability to use the techniques, skills, and modern hardware and software tools necessary for Electronics engineering practice.
- l) An ability to be leaders in our technological society and improve lifelong learning

EVENTS ORGANISED

VLSI Design Methodology using Mentor Graphics Tools (VDMGT – 15)

Department of ECE, Annamacharya Institute of Technology and Sciences(AUTONOMOUS),Rajampet organized a two day workshop on VLSI Design Methodology using Mentor Graphics Tools(VDMGT-15) during 27 -28th January,2015.

Mr.K.Suresh Kumar ,Asst.Manager, Trident Techlabs pvt.ltd,Hyderabad was the chief guest of the inaugural function. Resource persons were Mr.P.Karthik Sharma,Application engineer, Trident Techlabs pvt.ltd, Hyderabad.

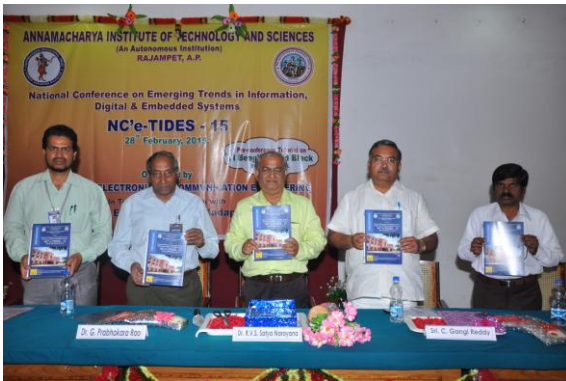


**Organized by Department of Electronics & Communication Engineering
In Technical Collaboration with The Institution of Engineers India (IEI)
Kadapa Local Centre Sponsored by Annamacharya Educational Trust (AET)**

Chief Guest Er. R. Ameer Basha, Chairman, IEI, Kadapa Local centre inaugurated the Pre-conference Tutorial on Topic “Beagle Bone Black” on 27th February 2015 and The resource person was Mr.M. Asif Nalband, Starcom Information Technology Ltd, Bangalore.



Chief Guest Dr. R.V.S.Satyanarayana, Professor-ECE, SVUCE, Tirupathi Inaugurated Conference on 28th February 2015 & delivered Keynote address and Dr.D.Vishnu Vardhan, JNTUACE, Pulivendula, Dr.GN.Kodanda Ramaiah, HOD-ECE, KEC, Kuppam and Mr.K.Karthik, Manager-Projects, EC-Cube , Bangalore Chaired the sessions.



STUDENT ACHIEVEMENTS

Co –Curricular

- Y.Lakshmi Chandana and N.Lakshmi Mounika of III B.Tech ECE won 3rd Prize in *Samsleshna -2k15* held at Annamacharya Institute of Technology & Sciences, Kadapa on 24th January 2015.

Extra –Curricular

- Students mentioned in the Tabular column below won Medals in **ashv-15** under sports events conducted by MITS, Madanapalle on 13th & 14th March 2015.

Boys			
Event	Place	Name of the Students	Branch/Class
100 mts	I	G. Beerappa	III ECE
	II	Y. Mani Teja	III ECE
200 mts	I	Y. Mani Teja	III ECE
	II	G. Beerappa	III ECE
400 mts	I	G. Beerappa	III ECE
Long Jump	I	G. Beerappa	III ECE
	II	Y. Mani Teja	III ECE
Triple Jump	I	G. Beerappa	III ECE
	II	Y. Mani Teja	III ECE
	III	L. Suresh Babu	IV ECE
Disk Throw	II	Lokesh	III ECE
Javelin Throw	III	P. Venkata Ramana	M.Tech ECE

Girls			
Events	Place	Name of the Students	Branch/Class
100 Mts	II	P. Veeravandana	III ECE
200 Mts	III	P. Veeravandana	III ECE
Long Jump	II	P. Veeravandana	III ECE
Triple Jump	I	K. Kalpana	II EEE
	II	P. Veeravandana	III ECE
Javelin Throw	II	K. Harika	I ECE

..

Event	Place	Name of the Students	Class / Branch
Dance	3	HARIKA NARREDDI	II ECE
	3	VENISHA VADDE	II ECE

- S.Swetha (I ECE), M.Tejaswini (II ECE) and P.Veera Vandana (III ECE) are part of Runner's up Team in **Throw Ball** tournament conducted by MITS, Madanapalle on **13th & 14th March 2015**.
- J.Swathi and S.Swetha(I B.Tech ECE) are the part of Winning Team in Throw Ball & Tennikoit tournaments conducted by KSRM College of Engineering, Kadapa, on **2nd March 2015**.
- Yashwanth Nikhil (I ECE), P.Vengal Reddy (II ECE) and B.Chaitanya Kumar are part of Runner's up Team in Hand Ball & Basket Ball tournaments conducted by KSRM College of Engineering, Kadapa, on **2nd March 2015**.
- N.Sekhar (III ECE) and Ramprasad (II ECE) are part of Runner's up Team in Volley Ball tournaments conducted by KSRM College of Engineering, Kadapa, on **2nd March 2015**.

FIELD VISIT

The students of III B.Tech ECE visited NATIONAL ATMOSPHERIC RESEARCH LABORATORIES, GADANKI near Tirupathi on 13th March 2015 under the agies of AITS IEI students' chapter. The students were accompanied by faculty members Mr.K.Prasad and Mrs. P.Syamala Devi.

Senior Scientist Shri. T.Rajendra Prasad and his team showed the working modalities of different antennas and antenna arrays. The new techniques adopted for data acquisition for the Atmospheric research and weather monitoring like LIDAR, MTS etc... The department of space, Government of India accepted our interest of visit and uphold the real time operations.



Faculty and Students at NARL, Gadanki.

PUBLICATIONS

Books:

1. Fahimuddin.Shaik, Amit Kumar, “Image Processing in Diabetic Related Causes”, Springer-Verlag Singapur Publishers (Springer Briefs in Applied Sciences and Technology-Forensics and Medical Bio-informatics), March-April 2015. (ISBN: 978-981-287-623-2) (<http://www.springer.com/in/book/9789812876232#aboutBook>)

Journals:

1. P.Lakshmi Devi, S. Varadarajan “Segmentation of Satellite Images for Damage Assessment::Natural Calamity Images Perspective ” IOSR Journal of Electronics and Communication Engineering, Volume:10, IssueNo.5, October 2015,

2. P.Lakshmi Devi, S. Varadarajan “Image Processing of Natural Calamity Images Using Healthy Bacteria Foraging Optimization Algorithm ” Springer, Published by Springer India, IC3T2015, Volume:2, September 2015, Pg.No:505-513,ISSN No: 2194-5357, DOI :10.1007/978-81-322-2523-2_49 (www.springer.com)
3. C.Venkatesh, K.Jeeshita “Controlling and Monitoring Smart Electronic Devices in Remote Locations by Using Internet ” International Journal Engineering Sciences & Research Technology (IJESRT),I2OR Publication, Volume:4, IssueNo.6, June 2015, Pg.No:162-170,ISSN No:2277-9655.(www.ijerst.com)
4. C.Venkatesh, C.Balarama Reddy “Artifacts Correction in MRI Imaging Using RF Pulse Phase Modulation and Recurrence Solving ” International Journal of Electronics Communication and Computer Technology(IJECCT) ,Volume:5,IssueNo.3, May 2015, Pg.No:858-861,ISSN No:2249-7838, (www.ijecct.org)
5. C.Venkatesh, C.Balarama Reddy “Relic Rectification in MRI Images Using Angle Modulation and Recurrence Solving ” International Journal of Engineering Research (IJOER),Volume:3, IssueNo.3, May 2015, Pg.No:66-71,ISSN No:2321-7758, (www.ijoer.in)
6. C.Venkatesh, K.Jeeshita “Monitoring and Controlling the Smart Devices Using Web Server ” International Journal of Innovative Research in Computer and Communication Engineering, Volume:3, Special IssueNo.4, April 2015, Pg.No:162-170,ISSN No(Online):2320-9801, ISSN No(Print):2320-9798 (www.ijircce.com)
7. C.Venkatesh, K.Mahesh Babu, C.Karthik “Implementation of Carry Free Arithmetic Operations by QSDN ” International Journal of Innovative Research in Computer and Communication Engineering, Volume:3, Special IssueNo.4, April 2015, Pg.No:92-102,ISSN No(Online):2320-9801, ISSN No(Print):2320-9798 (www.ijircce.com)
8. C.Venkatesh, Fahimuddin Shaik, A. Sai Chaitanya, , K.Sagarika “Advanced Physiological Healthcare Monitoring System Using Wireless Technology for Patients ” International Global Journal of Trends in Engineering(GJTE) ,Volume: 2,IssueNo.4, April 2015, Pg.No:235-240.ISSN No:2393-9923, (www.gjte.in)
9. Dr. S. Asif Hussain, G. Siva Sankar” A Real Time Video Colorization Method with Gabor Feature Space” International Journal of Engineering Research and Application (IJERA) Vol.5 Issue 3(Part-I) March-2015,PP-183-187 ISSN: 2248-9622.

Conferences:

1. **B.Abdul Rahim, S.Fahimuddin**, “ Task Scheduling and allocation in an FLEXRAY based communication system using Genetic Algorithm optimization” ,ICACVSP-2015, GPCET-Kurnool, April 11th 2015.
2. **C.Venkatesh**, “Advanced Physiological Healthcare monitoring system using wireless technology for patients”, International Conference on Advanced communications ,VLSI and Signal processing, April 2015.
3. **N.Bala Dastagiri & Dr.K. Babulu** “Clocked Low Power High Speed Regenerative Comparator” IEEE Sponsored 2nd International Conference On Innovations In Information, Embedded And Communication Systems (ICIIECS)2015 22nd March 2015, Coimbatore.

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