



ANTRIX NEWS LETTER

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



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

- A Guest lecture on “ **Advances in Digital Signal Processing**” by Dr.T.Kishore kumar, Dept. Of ECE,NIT warangal was organised for IV. B.tech ECE Students on 24th December 2014
 - The speaker gave sufficient exposure to the architecture of programmable DSP devices so that they can use them effectively and optimally in designing system, and he dealt with the signals of a programmable DSP device required for interfacing of memory and I/O.



- Dr T. Kishore Kumar, NIT Warangal Addressing the Students.
 - Dr T. Kishore Kumar stressed the importance of Hardware and Software Co-Designing, which play vital role in the process of expectation of a design engineer and device actual behavior in real time environment.
- A Two Day’s Faculty Development Program on “**TI Analog System Design by Using ASLK Pro**” from Dec 22nd to 23rd December 2014 in association with Starcom Information Technology & limited and Texas Instruments.
- A One week **Handwriting Improvement Workshop** was organised for II and III B.Tech ECE students from 17th to 25th October 2014. The Resource Person was **Mr.K.Prasad**, Assistant Professor of the Department and well known Graphologist.

STUDENT ACHIEVEMENTS

Co-Curricular

- M.S. Fayeeka Anjum and C.Bhavya Reddy of III. B.Tech ECE Secured 2nd Place for Paper Presentation in National Level Techno-Cultural Fest “Mohana Mantra” organised by Sree Vidyanikethan Educational Institutions on 30th, 31st October and 1st November 2014.
- K.Sagarika and A. Sai Chaitanya of III B.Tech ECE has been awarded with 1st Prize in the Paper Presentation event “Yantra’14” organised by JNTUCE, Pulivendula held during 17th – 18th October 2014.

Extra –Curricular

- Ms. B. Santhi of IV ECE is selected to represent the JNTUA, at All India Inter University Judo Tournament which will be held at GND University, Amritsar from 2nd week of February 2015
- Mr. R Nikhilesh of IV ECE, Ms. P. Bhanu of IV ECE of this Institute are selected for JNTUA, Anantapur Ball Badminton Team and Mr. B. Shareef of IV B.Tech. ECE is selected as standby player in the inter University tournament to be held at SRM University, Chennai from 24th to 29th December 2014.

PUBLICATIONS

Journals:

1. S.Fahimuddin, C.Venkatesh, C.Bhavya Reddy, M.S.Fayeekha Anjum - “Morphological Approach of Talc Deposition in for Deection Lung CT Images” International Journal of Advances in Electronics and Computer Science (IJA ECS), Vol 1, IssueNo.2, December 2014, Pg.No:15-18.ISSN No:2393-2835, (<http://ijaecs.iraj.in>)
2. S. Asif Hussain, Mada Amarnadh, N.Madhu Sudhan” Image Processing For Frame Fusion To Produce Images Of Superior Quality” ” Global Journal of Advanced Engineering Technologies, Special Issue (CTCNSF-2014), December 2014, P.G.No-37-42 ISSN (Online): 2277-6370 & ISSN (Print): 2394-0921(www.gjaet.com).

3. S.Asif Hussain, Mada Amarnadh, M.Janardhana Raju” A Review Of Video Segmentation Techniques” Global Journal of Advanced Engineering Technologies, Special Issue (CTCNSF-2014), Vol.2, Special Issue, December 2014, P.G.No-102-107 ISSN (Online): 2277-6370 & ISSN (Print): 2394-0921(www.gjaet.com).
4. P.Sukumar, M.Sreenath” Premtive scheduling Algorithm Based Object Tracking System by using ARM Processor” International Journal of Advanced Research in Electronics & Communication Engineering, Vol.3,Issue:12, December 2014, P.G.No-1825-1829, ISSN : 2278-909X.(www.ijarece.com).
5. C. Venkatesh, S.Asif Hussain, C.Nikhil Chandra, T.Pradeep “Swumanoid:An Autonomous Manoeuvre Sailing Robot For Oceanographic Research” International Journal of Innovative Research in Computer and Communication Engineering(IJIRCCE), Vol.2, Special Issue 4,September 2014, Pg.No:16-22, ISSN(Online): 2320-9801, ISSN (Print): 2320-9798(www.ijircce.com)
6. P.Sukumar, R.Ravindra “Energy Efficient Intruder Detection & Alert System Using Wireless Multi-Media Sensor Networks” International Journal of Innovative Research in Computer and Communication Engineering(IJIRCCE), Vol.2, Special Issue 4,September 2014, Pg.No:16-22, ISSN(Online): 2320-9801, ISSN (Print): 2320-9798.(www.ijircce.com)
7. S.Asif Hussain, Dr. D. Satya Narayana, Dr. M.N. Giri Prasad “OTSU’s Thresholding with back projection modeling for neural network data sets” International Journal of Image, Graphics and signal processing, Published by Modern education and computer science press Volume 6, Issue 7 (June 2014), e-ISSN: 2074 9082 p- ISSN: 2074 9074. DOI: 10.5815/ijigsp.2014.07.02

Conferences:

1. Eswar Naidu, B.Abdul Rahim, Fahimuddin.Shaik, - “Non-Preemptive real time scheduling EDF approach through Aperiodic and Sporadic Task” Proceedings of 6th International Conference On Innovative Trends in Mechanical, Material, Manufacturing, Automobile, Aeronautical Engineering and Applied Physics(ITMEAP-2014) Organized By Social Welfare Foundation in association with Krishi Sanskriti at Jawaharlal Nehru University, New Delhi, India, on 20th and 21st December 2014

2. Fahimuddin.Shaik, C.Venkatesh, C.Bhavya Reddy, M.S.Fayeekha Anjum-
“Morphological Approach for detection of Talc Deposition in Lung CT Images”
Proceedings of International Conference on Electrical, Electronics and Computer
Engineering (ICEECE) Organized By IRAJ Research Forum, Chennai, India, on 19th
October 2014.
3. B.Abdul Rahim, B.Madhu, Fahimuddin.Shaik, - “Minimization Using Metaheuristic
Optimization Algorithms” Proceedings of International Conference On Electrical,
Electronics and Computer Engineering (ICEECE) Organized By IRAJ Research
Forum, Chennai, India, on 27th July 2014.
4. C.Venkatesh, S.Fahimuddin, C.Bhavya Reddy, M.S.Fayeekha Anjum -
“*Morphological Approach for Deection of Talc Deposition in Lung CT Images*”
International Conference on Electrical, Electronics & Computer Engineering
(ICEECE – 2014), Published in *proceedings of 15th IRF International conference*,
organized by IRF in association with IRAJ, pp 1-4, Chennai, India, October 19th ,
2014.(ISBN:978-93-84209-59-9) www.iraj.in/iraj_explore.php.
5. C.Venkatesh, G.Sharath, T.Venkata Subbaiah - “*Design of Rf based Voice-controlled
Multi-Terrain Robot to travel on Uneven Surfaces*” International Conference on
Developments in Engineering Research (ICDER – 2014), Published by International
Association Of Engineering & Technology For Skill Development
Company(IAETSD in *proceedings of ICDER-2014*),pp-117-121,Hotel Remeo Guest
Line, Tirupathi, A.P, India, October 8th 2014.(ISBN:378-26-138420-9)
www.iaetsd.in
6. J.Chinna Babu, U. Prathyusha ”Hard decision and soft decision decoding algorithm of
LDPC and comparison LDPC with Turbo code RS codes and BCH Codes”
International Conference on Electrical, Electronics and communication
Engineering(ICEECE 2014), 27th july 2014 ISBN No.: 978-93-84209-40-7.
7. K.Prasad Hard decision and soft decision decoding algorithm of LDPC and
comparison LDPC with Turbo code RS codes and BCH Codes” International
Conference on Electrical, Electronics and communication Engineering (ICEECE 2014
) , 27th july 2014 ISBN No.: 978-93-84209-40-7.

STUDENTS' LABORATORIES



Electronic Devices and Circuits Lab-I



Electronic Devices and Circuits Lab-II



IC and PDC Lab



Communication Lab



Micro Processors and Micro Controllers Lab



Computer (Silicon) Lab

Brief Profiles



A man of excellent vision and a person committed to the cause of education. The Hon' secretary of AET **Shri. C. Gangi Reddy** founded the institution with the noble idea of providing world class education to students from different academic/social backgrounds. He was given "Edupreneur" award and also conferred "Rayalaseema Ratna" for establishing renowned engineering colleges across the state



After finishing his graduation from JNTU, **Mr. C. Abhishek Reddy**, Executive Director of AET, pursued MBA from Cardiff School of Management (U.K.) with specialization in international marketing and project management. He worked as an advisor for an MNC (Halifax Bank of Scotland) in London. He was also a student coordinator for various industrial visits to France, Belgium, Netherlands and Switzerland.



Dr. G. Prabhakara Rao, an eminent educationalist, is the Director of the Institute. He has his M.Tech from NIT Warangal and PhD from IIT Madras, Chennai. Before assuming the position of director, he successfully steered the institute as its Principal for ten years. He is the recipient of best teacher award and has 45 years of teaching and research experience. He served with aplomb in some of the prestigious institutes in various



Dr. SMV Narayana is a dedicated educationist. He received his education in B. T. College, a premier institution of learning in the country. Dr. Narayana completed his Bachelor of Technology in Civil Engineering at Sri Venkateswara University, Tirupati in the year 1984. For his Master's in Structural Engineering, he joined JNTU College of Engineering, Anantapur in 1989. Dr. Narayana pursued his research in JNTU Hyderabad.



Dr. A. Subramanyam is the Dean of Engineering at "Annamacharya Institute of Technology and Sciences, Rajampet". He has his M.Tech from KBN Gulbargah and PhD from JNTUA, Ananthapuramu. He rose to the position of the Dean after serving the college for fourteen years in diverse positions, continuing in administrative positions as the member of the Governing Body of the Institute and the member of the Academic Council.



Prof. B. Abdul Rahim is the Head of the Department, Electronics & Communication Engineering, with a vast experience of 20 plus years both in Industry and teaching. He has his M.Tech from JNTUA, Ananthapuramu and PGDVLSI from Annamalai University, Chidambaram. He is Academic Council Member and Chairman of BOS of the Department.

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