

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 Electronics & Communication Engineers, including supportive and leadership roles on Multidisciplinary teams.
- 2) Communicate effectively, recognize and incorporate societal needs and constraints in their professional endeavors with high regard to legal and ethical responsibilities.
- 3) Develop attitude in lifelong learning, applying and adapting new ideas and technologies as their field evolves.

PROGRAM OUTCOMES

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

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

EVENTS ORGANISED

- Guest lecture on “**Internet of Things and Data Analytics**” Was Conducted on 31/07/18 by department of ECE to III & IV year ECE students. Resource Persons are Mr. srinivasvithal, senior Director “N-Dimensions India Pvt ltd” Hyderabad and Mr P. Venkatesh, Engineer ,“N-Dimensions India Pvt ltd” Hyderabad.
- Guest lecture on “**Missile Technology and Tracking system**” Was conducted by the department of ECE for III B.Tech ECE students on 21/08/18 by shri D. Sreenivasula Reddy, scientist in DRDO, Hyderabad. This event was conducted under Alumni association.\



- Freshers day celebrations “**Roobaroo-18**” was conducted on 29/08/18 by the II B. Tech ECE students to I B. Tech ECE students. The chief guest of this event was Mr.V. Hari Krishna, sub divisional officer BSNL, Rajampet. This event was conducted by Antrix ECE Association.
- Awareness camp on “**IEEE and its benefits**” was conducted on 20/8/18 by Dr. B. Abul Raheem, Dean, professional bodies, Dr. CH. Nagaraju, HOD Of ECE, Dr. Fahimuddin shaik, Incharge-IEEE SB and Mr C. venkatesh ECE Dept., Incharge IEEE Activities and IEEE student members Dept of ECE, AITS, Rajampet, for B. Tech students.
- A Two day workshop on “**Embedded System Design Using Microcontrollers**” was conducted on 14/09/2018 & 15/09/2018 by the dept., of ECE for IV B.Tech ECE students . The resource persons of this event are Mr. Narayana Raju , member, India Pvt Ltd., Banglore and technical persons Mr. Anandkumar, senior engineer, micro chip Banglore, Mr. Sai Krishna, Mr. Desoj.

- A Two day workshop on **“Introduction to MATLAB”** was conducted on 25/09/2018 and 26/09/2018 to II B.Tech ECE students by the Dept of ECE. The resource person of this workshop was Mr P. Vikram Kumar, MATLAB Trainer, Hyderabad.
- Department of ECE made an **MOU with Ferventz semi conductor Pvt Ltd, Hyderabad** on 5/11/18. At AITS campus agreement was signed. Ferventz semi conductors Pvt Ltd CEO, MD. Ragaratnam, ,Dr.SMV. Narayana principal, Dr .C H. Nagaraju HOD had attended the program.
- A Guest lecture on **“Multi rate signal processing”** was conducted on 17/12/18, by the Dept of ECE for III B.Tech ECE students.The speaker of this program was S. RafiAhamed, IIT Gawahathi.



Antrix ECE Association Events:

- “Freshers day celebrations” “ROOBAROO-18”was conducted on 29/08/18 by the II B.tech ECE students to I B. Tech ECE students. The chief guest of this event was Mr.V. HariKrishna, sub divisional officer BSNL, Rajampet, Dr. SMV. Narayana principal, Dr .C H. Nagaraju HOD, Dr.B Abdul Raheem Dean of Professional bodies . This event was conducted by Antrix ECE Association.
- "Technical quiz Competition" was conducted for 1st,2nd ,3rd, 4th year students of ECE department on 14th September 2018 by ANTRIX ECE Association.
- "Value added course on advanced VLSI concepts" conducted for 4th year students of ECE department from 17th September 2018 to 08th October 2018 by ANTRIX ECE Association in association with technical collaboration with Entrepreneur cell and Professional Bodies (IEEE student Branch, IEI student chapter & ISTE student chapter).

- "**Anthyakshari**" competition was conducted for II,III,IV year students on 26th September 2018. After completion of the program winners were announced .This event was conducted by "ANTRIX" ECE association.
- "**Technical quiz**" was conducted for 1st,2nd ,3rd, 4th year students of ECE department on 24th October 2018 by ANTRIX ECE Association.
- "**Debate**" was conducted for II,III,IV year students on 13th December 2018. This event was conducted by "ANTRIX" ECE association.

STUDENT ACTIVITIES

Co –Curricular:

Workshops:

SL. NO.	TITLE	VENUE	DATES	No. of Students Attended
1.	Cyber security & Malware Analysis	Indian servers	7 th & 8 th September 2018	05
2.	Tirutsava'19	IIT – Tirupati	29 th & 30 th September 2018	01

Symposium:

SL. NO.	TITLE	VENUE	DATES	No. of Students Attended
1	Mohana Mantra	Sree Vidyanikethan Educational Institutions	30 th Sep –2 nd Oct 2018	01

Online courses:

SL. NO.	STUDENT NAME	TITLE	VENUE	DATE(S)	REMARKS
1	Thota Yogeshwar Reddy	Siksha's Digital Marketing Project 1.0	Online	October 2018 – January 2019.	Contributor

Achievements:

S. No	Name of the Student	Seminar/ Symposium	Place & Date	Award
1.	S. Shaheena	Paper presentation	Sreevidyaniketha educational institutions, September 30 th – October 2 nd 2018.	Participation Certificate

Extra-Curricular:

Sports:

S. No	Name of the Student	Event	Place & Date	Award
1	J. Lakshmi	Volley Ball	KL University, Guntur, 1.10.2018	1 st Position
2	R. Keerthana	Volley Ball	KL University, Guntur, 1.10.2018	2 nd Position
3	P. Haritha	Volley Ball	KL University, Guntur, 1.10.2018	2 nd Position
4	A. Raja shekar	Basket Ball	RGMET, Nandyal, 10.10.2018	Runners
5	K. Praveen kumar reddy	Basket Ball	RGMET, Nandyal, 10.10.2018	Runners
6	P.Sai adithya yadav	Basket ball	SRM University, Chennai, 11.10.2018	1 st Position
7	Imran bhasha	Basket ball	SRM University, Chennai, 11.10.2018	2 nd Position
8	K. Satya narayana	Basket ball	SRM University, Chennai, 11.10.2018	3 rd Position
9	A. Prathyusha	Volley Ball	Madhurai Kamaraj University, TamilNadu, 8.11.2018	2nd Position
10	C. Shusma	Volley Ball	Madhurai Kamaraj University, TamilNadu, 8.11.2018	3 rd Position
11	K. Shilpa	Judo	Panjab University, Chandigarh, 4.12.2018	3 rd Position

FACULTY PUBLICATIONS

Journals:

- **P.Siva Kalyani** , C.Reddy Vineela, “RF Established Adolescent Saving Scheme from Bore-Well” Universal Review Journal, Volume 7, Issue:7, July 2018, Page No.:77-86, **ISSN NO:2277-2723.(UGC)**
- **P.Brundavani**, D.VishnuVardhan, S.Salma, K.Hari Kishore" Design and Analysis of Low Power Low Noise Amplifier for Neural Recording Systems", Journal of Advanced Research in Dynamical and Control Systems, Volume 10, Special Issue:09, July 2018, Page No.:334-339, **ISSN NO:1943-032X (SCOPUS)**
- **R.Vijay, P.Sukumar, K.Naganarasaiah Goud** “An Incredible Multitasking Resource Algorithm For Real Time Embedded System Applications” Journal Of Emerging Technologies And Innovative Research, Volume 5, Issue :8 , August 2018, **ISSN NO:2349-5162,Page No. 646 (UGC)**
- P.Nagendra, **B.Prasanthi**, “Secrets of I/O Functions In C ”, International Journal of Research and Analytical Reviews, Volume 5, Issue :3 , September 2018, **E- ISSN NO:2348-1269, P-ISSN: 2349-5138 (UGC)**
- **S. Fayazbegum**, " Implementation of Bottle Filling Using Scada", International Journal of Research, Volume 7, Issue XI, November 2018, Page No.:193-196, **ISSN NO:2236-6124 (UGC)**
- **G. Obulesu, A.PRIYANKA** , A. MOUNIKA, “An Image Quality Evaluation In Clinical Research On Brain And Cardiac Mri Images In Multi-Center Clinical Trials” , International Journal of Research, Volume 7, Issue XII, December 2018, Page No:688-693 , **ISSN NO:2236-6124. (UGC)**

International Conferences:

- **B. Abdul Rahim**, B. Dhananjaya, **S.Fahimuddin, N.Bala Dastagiri** “Design of a Power Efficient ALU Using Reversible Logic Gates”, Springer-International Conference on Communications and Cyber Physical Engineering-2018 (ICCCE), 24th -25th January 2018,CMRIT,Hyderabad,India. Proceedings published in Lecture notes in Electrical Engineering-Springer Link, volume:500, on 1st September 2018, **ISBN : 978-981-13-0212-1.(SCOPUS)**
- Vinit Kumar Gunjan,Puja S.Prasad, **S.Fahimuddin**, Sunitha Devi Bigul “Experimental Investigations to Analyze Cognitive Impairment in Diabetics Mellitus”, Springer-International Conference on Communications and Cyber Physical Engineering-2018 (ICCCE), 24th -25th January 2018,CMRIT,Hyderabad,India. Proceedings published in

Lecture notes in Electrical Engineering-Springer Link, volume:500, on 1st September 2018,
ISBN : 978-981-13-0212-1.(SCOPUS)

- **N.Bala Dastagiri**, K.Hari Kishore, Vinit Kumar Gunjan, M.Janga Reddy, **S.Fahimuddin**,
 “Geometric Programming Based Automation of Floor-planning In ASIC Physical Design”,
 Springer-International Conference on Communications and Cyber Physical Engineering-
 2018 (ICCCE), 24th -25th January 2018,CMRIT,Hyderabad,India, Proceedings published in
 Lecture notes in Electrical Engineering-Springer Link, volume:500, on 1st September 2018,
ISBN : 978-981-13-0212-1.(SCOPUS)

Received Projects:

S. No	Name of the Principal Investigator/ Co Investigator	Title of the Project	Type of the Project	Year of Award	Duration of the project
1.	J. Chinna Babu	Modelling, Analysis and Real time Implementation of Distributed Control for Advanced Energy Management of Cyber Physical Microgrids Using Multi Agent System	Research & Development	20 th December 2018	3 Years

Invited Experts:

S.NO	FACULTY	ROLES & RESPONSIBILITIES	EVENT	INVITED INSTITUTION/ORGANISATION	DATE
1.	Dr.B. Abdul Rahim	Reviewer	The Third International Conference on Emerging Trends in Electrical, Communication and Information Technologies	Srinivasa Ramanujan Institute of Technology, Ananthapuramu	20 th 22 nd December 2018
2.	Dr.S. Fahimuddin	Reviewer	The Third International Conference on Emerging Trends in Electrical, Communication and Information Technologies	Srinivasa Ramanujan Institute of Technology, Ananthapuramu	20 th 22 nd December 2018

Patents:

S.N O	Name of Applicant(s)	Name of other Inventor(s)	Title of the Invention	Application No	Date of Filing	Publication Date
1	Dr.Fahimuddin Shaik S.Nazeer Hussain	Dr.Fahimuddin Shaik S.Nazeer Hussain	Design and Development of CAD System using IR Thermograph Images to detect Diabetic Foot ulcers	201841036621	28/09/2018	05/10/2018
2	Dr.Fahimuddin Shaik	-----	Method for Study and detection of tuberculosis	201811041035	30/10/2018	23/11/2018

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