



ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES

(Permanently Affiliated to AU, Approved by AICTE & Accredited by NBA)

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DEPARTMENT QUARTERLY NEWS LETTER

[JUNE 2018 - AUGUST 2018]



STUDENT QUIZ COMPETITION

A one day Quiz completion “INQUIZITIVE” has been jointly organized by TIMES- Visakhapatnam and IETE Student Forum, IEEE Student Branch, ACES of the ECE Department, ANITS on 18th Aug 2018. Total 356 students participated as 163 teams (2 per each team). Prizes given for winners and runners by Head of the Department of ECE.

INDUSTRY INSTITUTE INTERACTION

➤ Texas Instruments Conducted a dristi online content in three phases. 1st phase is conducted in the month of July 2018. In this 1st phase contest, 1600 students from 4 braches ECE, EEE, CSE & IT were appeared. The faculty coordinator Mr.N.Ram Kumar., Asst., Prof., ECE carried out this online exam and smoothly conducted the 1st phase contest.



AICTE SPONSORED TWO WEEK FACULTY DEVELOPMENT PROGRAMME ON “ENGINEERING CHALLENGES FOR MAKING DIGITAL INDIA: INTERNET OF THINGS & APPLICATIONS”

Anil Neerukonda Institute Of Technology And Sciences (ANITS), Department of ECE, has organized AICTE sponsored two week faculty development programme from

11th – 24th June, 2019. A total of 43 participants are shortlisted for the Program, out of which, 35 are outstation participants and 8 are internal participants. A total of 10 resource persons handled all the sessions in this FDP, out of which 7 are from various premium academic institutions & Industries across India and 3 are from ANITS (Preapproved by AICTE).



ORIENTATION PROGRAMME FOR FIRST YEAR STUDENTS

Orientation Program for First Year Students for the admitted batch 2018-19 was organized by department of ECE on 13th, 14th August 2018. HOD introduced the faculty and various facilities provided by the college to student in their four years of engineering life. A spiritual lecture was organized by the department on “**Art of mind control**” delivered by “JitaMitra das” from AkshayaPatra foundation. As part of it, various events like morning walk, Beach cleaning, Cloth bag distribution by Green Club, Essay writing competition by the Wall magazine Club, Mr & Miss Fresher, Jumba Dance Body Toning etc were conducted by the Department of ECE. 150 students were participated in this event.



FACULTY SEMINAR

Every week faculty seminars were arranged to exchange knowledge on latest developments.

1. Dr.S.Srinivas, Asst.,Prof., ECE delivered a lecture on **“Engineering in Human Health Care”** as a part of faculty Seminars in seminar hall, Dept of ECE on 23.06.2018.
2. Mr.R.ChandraSekhar, Asst.,Prof., ECE delivered a lecture on **“MIMO at Millimeter Wave Communication”** as a part of faculty Seminars in seminar hall, Dept of ECE on 30.06.2018.
3. Dr.S.Somasekhar, Assoc.,Prof., ECE delivered a lecture on **“Research methodologies PART-II”** as a part of faculty Seminars in seminar hall, Dept of ECE on 07.07.2018.
4. Dr.V.Rajyalakshmi, Prof., HOD, ECE delivered a lecture on **“Innovative-Student Centric Teaching Learning Methods”** as a part of faculty Seminars in seminar hall, Dept of ECE on 14.07.2018.
5. Mr.S.Ravi, Asst.,Prof., ECE delivered a lecture on **“High Level Synthesis”** as a part of faculty Seminars in seminar hall, Dept of ECE on 21.07.2018.
6. Mr.R.Sundar, Asst.,Prof., ECE delivered a lecture on **“Quality Management System”** as a part of faculty Seminars in seminar hall, Dept of ECE on 04.08.2018.
7. Mr.D.Anil Prasad, Asst.,Prof., ECE delivered a lecture on **“Process flow to understand the fabrication of IC’s”** as a part of faculty Seminars in seminar hall, Dept of ECE on 11.08.2018.
8. Mr.R.ChandraSekhar, Asst.,Prof., ECE delivered a lecture on **“Filter Bank Multi Carrier for 5G Communications”** as a part of faculty Seminars in seminar hall, Dept of ECE on 18.08.2018.

FACULTY ACHIEVEMENTS

1. Dr.S.Srinivas, Assoc.Prof., ECE has received Research excellence award from IITH for the years 2014 and 2018 from IIT Hyderabad in June 2018.
2. Mr. B. Chandra Mouli, Asst.Prof.,ECE has been **Qualified UGC NET** for Lecture Ship in July 2018.

3. Ms.K.Yashoda, Asst.Prof.,ECE has been **Qualified UGC NET** for Assistant Professor in 2018.
4. Mr.G.ViswanadhRaviteja, Asst.Prof.,ECE has been recommended as a potential reviewer for the e-book proposal **“Fundamentals of Network Analysis and Synthesis”** by Bentham Science International Publishers” on 13th August 2018.
5. MrS.Balarama Murthy, Assoc.,Prof., ECE has successfully completed **Hardware Security** an online non credit course authorized by **University of Maryland , USA** on 13th August 2018.
6. Mr.J.BhaskaraRao, Asst.Prof.,ECE has been reviewer for the article titled **“Implementations Stemming Algorithm to Build Catholic Encyclopedia Web-based”** of 5th International Conference on Electrical Engineering, Computer Science and Informatics (EECSI 2018) will be held in Malang, Indonesia on October 16-18, 2018 on 1st July 2018.
7. Dr.D.EswarchaitanyaAsst.Prof.,ECE has been reviewer for the article titled **“Underwater Source Localization Using TDOA and FDOA Measurements with Unknown Propagation Speed and Sensor Parameter Errors”** of IEEE Access(volume 6) in July 2018.
8. Ms.D.Nagamani Asst., Prof., ECE appreciated by the **Texas Instruments** for encouraging the students to participate in DRISHTI online contest.

WORKSHOPS/ SEMINARS/ FDPS ATTENDED BY FACULTY

1. Mr.R.ChandraSekhar, Asst.Prof., Dept. of ECE has attended the short course on **“mmWave MIMO and Filter Bank Multi-Carrier Technologies for 5G Networks”** organized by the Department of Electrical Engineering, IIT Kanpur at Ramaiah Institute of Technology, Bengaluru during 25th -28st July 2018.
2. Mr.J.BhaskaraRaoAsst.Prof., Dept. of ECE has attended the workshop on **Global Competitiveness JNANABHERI Knowledge Summit** organized by the Andhra Pradesh State Council for Higher Education (APSCH) at Andhra University Engineering College grounds, Visakhapatnam on 23rd August 2018.
3. Ms.Ch.Padmasree, Asst.Prof.,Ms.P.Devi, Asst.Prof. andMr.G.V.Raviteja, Asst.Prof., ECE has attended the faculty development program-2018 conducted at ANITS, during 13th – 14th June 2018.

FACULTY PAPER PUBLICATIONS IN JOURNAL

1. Dr.V.Rajyalakshmi, Prof., HOD, ECE has published a paper titled **“Notch Band Switchable Reconfigurable Monopole Antenna with Defected Ground Structure for Wideband Applications”** in an International Journal

of Engineering & Technology, Volume:7, number 3.27, August 2018, PP:613-616.

2. Dr.V.Rajyalakshmi, Prof., HOD, ECE has published a paper titled “**Enhancement of Gain and Bandwidth using EBG Structure for Textile Antenna**” in an International Journal of Applied Engineering Research (IJAER), Vol 13, No:15, PP:11974-11978, August 2018.
3. Dr.K.Murali Krishna, Prof., ECE has published a paper titled “**BER Estimation in UPMC System for Wireless Communications**” in an international Journal of Advanced Research in Dynamical & Control Systems, Vol. 10, 12-Special Issue, PP:294-299, August 2018.
4. Ms.Ch Anoosha, Asst.Prof., Ms.K.Yashoda Asst.Prof., and Ms.D.Nagamani Asst.Prof., ECE has published a paper titled “**Comparison on Performance of NLMS and Optimal Regularization NLMS Algorithms For Speech Enhancement**” in an international Journal of Emerging Technologies and Innovative Research (JETIR) ISSN: 2349-5162, Volume 5, Issue 7, PP 190-193, July 2018.
5. Ms.V.Shireesha, Asst.Prof., and Ms.D.Nagamani Asst.Prof., ECE has published a paper titled “**Edge Enhancement and Edge Detection for SAR Images using Daubechies Wavelet Transform and Region based Active Contour**” in an international Journal of Emerging Technologies and Innovative Research (JETIR) ISSN: 2349-5162, Volume 5, Issue 7, PP 215-220, July 2018.
6. Dr.S.Srinivas, Assoc.Prof., ECE has published a paper titled “**Novel ASIC Design Flow Using Dynamic Libraries for Reducing Design Time**” in an international journal of low power electronics, Volume:14, number 2, June 2018., PP:448-457, DOI: 10.1166/jolpe.2018.1573.
7. Mr.P.DeviPradeep Asst.Prof., and Mr.N.Ram Kumar, Asst.Prof., ECE has published a paper titled “**Designing of Efficient Subtractor Circuits using Reversible Logic**” in International Journal of VLSI Design, Microelectronics and Embedded System, Volume 3, Issue 1, PP 1-10, June 2018.
8. Ms.Ch.Padmasree, Asst.Prof., ECE has published a paper titled “**Performance Evaluation and implementation of Convolution Coded OFDM modem in wire Less Under Water Acoustic Communication**” in an international Journal of communication systems- Wiley Online Library, Online ISSN:1099-1131, Volume 31, Issue 14, July 2018.
9. Mr.N.Srinivas Naidu, Asst.Prof., Mr.B.Kiran Patrudu, Asst.Prof., and Mr.B.Ravi Kumar Asst.Prof., ECE has published a paper titled “**IoT Based Electricity Bill Generating System**” in International Journal of Modern Trends in Engineering and Research (IJMTER), Volume 5, Issue 7, PP:54-61, ISSN (Online):2349-9745 ; ISSN (Print):2393-8161, July 2018.
10. Mr.B.Kiran Patrudu, Asst.Prof., Mr.D.Anil Prasad Asst.Prof. and Mr.B.Ravi Kumar Asst.Prof., ECE has published a paper titled “**Different Spreading Sequences For Performance Comparison Of DS-SS System**” in Global Journal of Engineering Science and Research Management (GJESRM), ISSN 2349-4506 ; June 2018.

STUDENT SPECIAL ACHIEVEMENTS

1. Mr. Anirudhof IV/IV ECE-B appointed as lieutenant commander in INDIAN NAVY.
2. Mr.M.HariVamsi IV/IV ECE-B appointed as a Chapter Co-Director of Start-up grind Visakhapatnam chapter.
3. Mr. R. Eswar and Mr. M. N. Mankanta Kumar under the guidance of Mr. B. Chandra Mouli, Asst. Prof., Dept. of ECE have developed “**Automated College Bell using Arduino**” and successfully installed in the College.
4. Mr. Y.KrishnaTeja IV/IV ECE-C scored 565 as All India Rank in GATE-2019.
5. MrP.NarendraKumer IV/IV ECE have awarded with **Winner certificate** for the outstanding performance on achieving **First place** in the **Robotics System** in the online contest conducted by TI Universtiy program, Texas Instruments during 31st July 2018.
6. MrP.NarendraKumer IV/IV ECE have awarded with **Winner certificate** for the outstanding performance on achieving **First place** in the **Basic- Electrical & Electronics** in the online contest conducted by TI Universtiy program, Texas Instruments during 25th July 2018.
7. MrP.NarendraKumer IV/IV ECE have awarded with **Winner certificate** for the outstanding performance on achieving **First place** in the **Linear-Integrated-circuit** in the online contest conducted by TI Universtiy program, Texas Instruments during 20th June 2018.
8. MrP.NarendraKumer IV/IV ECE have awarded with **Winner certificate** for the outstanding performance on achieving **Second place** in the **IOT- Application using CC3200** in the online contest conducted by TI Universtiy program, Texas Instruments during 29th July 2018.
9. MrP.NarendraKumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **Basic-Electrical & Electronics** in the online contest conducted by TI Universtiy program, Texas Instruments during 19th June 2018.
10. MrP.NarendraKumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **Robotics System** in the online contest conducted by TI Universtiy program, Texas Instruments during 19th June 2018.
11. MrP.NarendraKumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **IOT-Application using CC3200** in the online contest conducted by TI Universtiy program, Texas Instruments during 20th June 2018.
12. MrP.NarendraKumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **Electronics Devices & Circuits** in the online contest conducted by TI Universtiy program, Texas Instruments during 20th June 2018.
13. MrP.NarendraKumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **Signals & Systems** in the online contest conducted by TI Universtiy program, Texas Instruments during 20th June 2018.
14. MrP.NarendraKumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in

Microcontroller & Applications in the online contest conducted by TI Universtiy program, Texas Instruments during 22nd June 2018.

15. MrP.NarendraKumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **Digital Signal Processing** in the online contest conducted by TI Universtiy program, Texas Instruments during 24th June 2018.
16. MrP.NarendraKumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **Electronics Devices & Circuits** in the online contest conducted by TI Universtiy program, Texas Instruments during 25th July 2018.
17. MrP.NarendraKumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **Linear-Integrated-circuit** in the online contest conducted by TI Universtiy program, Texas Instruments during 26th July 2018.
18. MrP.NarendraKumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **Data structures** in the online contest conducted by TI Universtiy program, Texas Instruments during 28th July 2018.
19. MrP.NarendraKumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **Signals & Systems** in the online contest conducted by TI Universtiy program, Texas Instruments during 28th July 2018.
20. MrP.NarendraKumer IV/IV ECE have awarded with **Merit certificate** for the excellent performance in **Digital Signal Processing** in the online contest conducted by TI Universtiy program, Texas Instruments during 28th July 2018.
21. Ms.Y.Gayatri, III/IV ECE-C has **qualified for prelims round** in public speaking competition MASTER ORATOR CHAMPIONSHIP organized by Toastmasters International educational organization on 4th August 2018.
22. Ms.V.M.Sameera, Mr.G.Jayaram, Ms.SLM.Sameera, Ms.VSPreethi, Mr.DVS. Sasidhar, Mr.YashwanthSaisreenivas, Mr.E.Sriramkashyap, Ms.M.Yajasree, Mr.T.Pavan and Ms.M.Manasa III/IV ECE-C are the **winners of prelims round** in public speaking competition MASTER ORATOR CHAMPIONSHIP organized by Toastmasters International educational organization on 19th August 2018.

WORKSHOP's/ SEMINAR's/EVENT's ATTENDED BY STUDENTS

1. Ms.Y.Gayatri III/IV ECE-C has participated in one day Quiz completion "INQUIZITIVE" has been jointly organized by TIMES- Visakhapatnam and IETE Student Forum, IEEE Student Branch, ACES of the ECE Department, ANITS on 18th Aug 2018.
2. Mr.VMSVamsi, III/IV ECE-B has attended the workshop on **Global Competitiveness JNANABHERI Knowledge Summit** organized by the Andhra Pradesh State Council for Higher Education (APSCH) at Andhra University Engineering College grounds, Visakhapatnam on 23rd August 2018.

3. MrP.NarendraKumer IV/IV ECE have awarded with Participation certificate for the participation in **Data structures** in the online contest conducted by TI Universtiy program, Texas Instruments during 13th June 2018.
4. MrP.NarendraKumer IV/IV ECE have awarded with Participation certificate for the participation in **Digital Electronics** in the online contest conducted by TI Universtiy program, Texas Instruments during 25th July 2018.
5. MrP.NarendraKumer IV/IV ECE have awarded with Participation certificate for the participation in **Computer Networks** in the online contest conducted by TI Universtiy program, Texas Instruments during 25th July 2018.
6. MrP.NarendraKumer IV/IV ECE have awarded with Participation certificate for the participation in **Sensors and Instrumentation** in the online contest conducted by TI Universtiy program, Texas Instruments during 27th July 2018.
7. MrP.NarendraKumer IV/IV ECE have awarded with Participation certificate for the participation in **Microcontroller & Applications** in the online contest conducted by TI Universtiy program, Texas Instruments during 1st Aug 2018.
8. MrP.NarendraKumer IV/IV ECE have awarded with Participation certificate for the participation in Python Programming in the online contest conducted by TI Universtiy program, Texas Instruments during 8th Aug 2018.
9. Mr.K.SaiTeja IV/IV ECE-A has attended Vizag Startup Summit 2.0 initiated by RedMadLearnings and co-organized by NASSCOM Center of Excellence (IoT) from 30th July – 6th August 2018.

CLUB ACTIVITIES



YOGA EVENT

The sports and yoga club of Dept. of ECE has conducted "YOGA event" on 21st June 2018 for Students and staff of ANITS in Civil block seminar hall(H-217). Total 60 students and 3 faculty members attended this event. Mrs.D.MohiniKumari has instructed the participants with different ASANAS and explained their importance in our daily life.



KERALA RELIEF FUND

Under NSS activity the students of ECE and Mechanical collected the food and medicine for Kerala state. 4 students from ECE department and 2 students from Mechanical department have involved in this fund collection. The government of Kerala appreciated the ANITS for donating the amount of rupees 26,100/-. Mr.N.Srinivas Naidu, Asst., Prof., ECE coordinated this program.



SAY NO TO PLASTIC

Green club of department of ECE had organized an event on the eve of cleaning the environment on 12th August 2018. In this event we had collected plastic waste in RK Beach and also distributed Jute bags to create awareness among the public to stop using of plastic carry bags.