



### NATIONAL CONFERENCE NCRCECT-2016

Two day National conference on Recent Challenges in Electronics and Communication Technology (NCRCECT-2016) is organized by department of ECE on 01st and 2nd October 2016 at Anil Neerukonda Institute of Technology & Sciences (ANITS), Visakhapatnam.

Dr. N.B.R.Prasad, Chairman, Anil Neerukonda Educational Society (ANES), Mr. N. Naveen, Treasurer, ANES, Prof. T.V. Hanumanta Rao, Principal, ANITS, Prof. K. Murali Krishna, Head of the ECE Department, Prof. P. Ramakrishna Rao, Prof. K. Raja Rajeswari and Prof. K.S. Ranga Rao have graced the occasion. In this occasion, Commodore R. Santosh, Naval Dockyard, Visakhapatnam has given detailed explanation about Challenges of technology in Naval Platform. Prof. K. Ramji, Dept of Mech, Andhra University had given information about outcome based education and explained the importance of Industry Institute Interaction. Dr. K. Sudhakar Retd. Scientist-H & Outstanding Scientist DRDO, Fellow at NSTL, Visakhapatnam has given detailed explanation about Challenges in Sonar Signal Processing. Mr. N. Sakthivel, Scientific Officer F, Computational Analysis Division Bhabha Atomic Research Centre, Visakhapatnam had given information of high performance computing techniques. The Research Scholars, Faculty and Students of various Institutions and Scientists from various organizations have participated in the event.



**FACULTY AWARENESS PROGRAMME**

A Faculty Awareness Program on "Embedded system applications in defence" by Dr. Abraham Varughese, Associate Director, Scientist-G, Instrumentation Division, NSTL, Visakhapatnam is conducted on 24.09.2016 by the Dept of ECE, ANITS. In this programme Dr. Abraham Varughese discussed about SONAR, Embedded System on SONAR and various sensors. He also discussed about Naval Research Board (NRB) a flexible approach to basic research, funding and project execution. Grants-in-Aid Scheme to nurture research talent and to create research facilities in IITs, Universities, higher technological institutions, colleges and other research centers.



### GUEST LECTURE ON BROADBAND ANTENNAS TRENDS & CHALLENGES

A Guest Lecture on "Broadband Antennas Trends & Challenges" by Dr M Chakravarthy, Director-I, Scientist-G, DLRL, Hyderabad, jointly organized by ISF at Dept of ECE, Anil Neerukonda Institute of Technology & Sciences (ANITS), Visakhapatnam, was held in association with IEEE Student Chapter on Dec 23, 2016. Dr Chakravarthy gave the details on directivity, gain, polarization, frequency bandwidth & radiation pattern of broadband antennas. He stressed the features of antennas used for electronic warfare such as signal search, direction finding and jammer antennas. Prof K Raja Rajeswari, Prof K S Ranga Rao, Prof K Murali Krishna and HoD/ECE, Dr V Rajya Lakshmi also graced the occasion. The ECE faculty and about 200 undergraduate and post graduate students attended the lecture.

**Chief Patron :**  
**Dr.N.B.R.Prasad,**  
Chairman, ANES

**Patron :**  
**Prof.T.V.Hanumanta Rao,**  
Principal, ANITS

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**Mr. A.Lakshmi Narayana,**  
Asst. Professor, ECE.

**Mr. K.V.Varma,**  
Senior Technician, ECE.

### Student Bodies

- Mr.Siva Ram, IV/IV ECE**
- Ms.Sharmila, IV/IV ECE**
- Ms.Manjari, IV/IV ECE**
- Mr.Hussain, IV/IV ECE**
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- Mr.Sai Kumar, III/IV ECE**
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- Mr.Naresh, IV/IV ECE**
- Mr.Rohith, IV/IV ECE**
- Ms.Lavanya, IV/IV ECE**
- Mr.VaraPrasad, IV/IV ECE**
- Mr.Koushik, IV/IV ECE**
- Mr.Rajaneesh, III/IV ECE**



### Workshop on IOT (Internet of Things)

A Two day National Workshop on "IoT-Internet of Things" an outreach workshop of Technex-2017, organized by IIT Varanasi in



association with EPROBE2K17 at Dept.of ECE, ANITS during 25th and 26th February 2017. The delivers are from Innoviance Technologies. In this workshop total 237 students participated out of these 90 students were selected and they will be send to the IIT Varanasi for the further rounds.



A National Level Quiz competition 'EXPLORE-2K17' was organized by ISF, Department of ECE, Anil Neerukonda Institute of Technology & Sciences (ANITS) on 5th January 2017. A total of 253 teams (2 members per team) from 10 different colleges have actively participated in this event. This was conducted in 2 rounds, where all the participants have to first write prelims, out of which top 6 teams were screened for finals in classical quizzing format. Prof.K.Raja Rajeswari, ECE inaugurated the event.

### National Level Student Symposium EPROBE-2K17



A Two day national level student symposium- EPROBE-2K17 has been conducted by ACES team of department of ECE. As part of the symposium, 2 day workshop on Quadcopter, 2 day workshop on IOT (Internet of Things) and "Swadesh-Summit" program towards cleanliness of India and cashless economy were organized.

### Workshop on Quadcopter and 3D Printing

A Two day National Workshop on "Quadcopter and 3D Printing" organized by HobbyPeP Visakhapatnam in association with EPROBE2K17 at Dept.of ECE, ANITS during 23<sup>rd</sup> and 24<sup>th</sup> February 2017



### Swadesh-Summit



"Swadesh-Summit" program towards cleanliness of India were organized.

### FRESHERS DAY CELEBRATIONS

FRESHERS DAY for admitted batch 2016-17 was organized by department of ECE on 24th September 2016. The program started with Motivational speech by HOD and faculty. Then the PO's and PEO's as well as the mission and vision were also discussed and the awareness regarding those was spread among the first year students. Then the some motivational words were spoken by IV/IV, III/IV and II/IV ECE students to motivate the 1st year students and introduce the various facilities provided by the college to student in their four years of engineering life. A quiz program was conducted for the first year students for making enthusiastic and for enhancing their knowledge. Then a small JAM session was conducted for the 1st year students so that they can share their thoughts openly in front of the audience. The program was concluded with a vote of thanks

### MEMORANDUM OF UNDERSTANDING (MOU)

The Memorandum of Understanding (MOU) is executed between M/S Avantel Limited, incorporated under the laws of Indian Companies

Act,1956, having its registered office at plot no.47/P,APIIC Industrial Park,Gambheeram(V), Anandapuram (M), Visakhapatnam-531163, who is specialist in Defense Electronics, Satellite Communication technologies and Embedded Systems and Department of ECE, Anil Neerukonda Institute of Technology & Sciences, effective from Nov 2016 for three years.

- The Memorandum of Understanding (MOU) is executed between Effronics Systems Pvt. Ltd. , situated at Brundavan Colony, Vijayawada-520012 and Department of ECE, Anil Neerukonda Institute of Technology & Sciences, effective from February 2017 for three years.

### COLLEGE ANNUAL DAY ACHIEVEMENTS



**Sri I.Bhargava, I.D.A.S, Dy. IFA, Ministry of Defence had graced the occasion on 11<sup>th</sup> march 2017 who is an Alumni to ECE Dept.**



**Overall Championship from Boys & Girls in Both Categories**



**Ms.V.V.L.Manasa (312126512111) ECE (2012-2016) stood topper of the batch and has been awarded Prathibha Award by State Government of Andhra Pradesh in the month of September 2016.**

### FACULTY SEMINAR

Dr.K.Murali Krishna, Prof. ECE gave a seminar on "Research Methodologies & Advanced Technologies in Electronics and Communications" as a part of faculty development program in seminar hall, Dept of ECE on 20/08/2016.

### ALUMNI STUDENT INTERACTION WITH STUDENTS OF ECE STUDENTS



**Mr.G.Sandeep Kumar (2010-2014) selected for BDL as Management Trainee (7lakhs per annum) interacted with the students of ECE on 26.07.2016.**



**Students from ECE won Cricket tournament trophy for third time (Hat trick) in college sports event.**

## STUDENT SEMINAR



The department of ECE had organized a seminar on "Pedarikam Pai Gelupu" on the eve of KRISHNA PURSHKARALU on August 20.08.2016 (10:30 Am to 12:30Pm) in this event, 14 students & 3 faculty had participated. They have discussed about the reasons of poverty and how to overcome it. To overcome the reasons of poverty, faculty and students participants ignited the minds of audience and stated, as said that food, clothing and shelter is not the responsibility of only Govt. but every individual should be responsible and the interested members should go to the poor people and educate them to improve their life status from a lower level to higher level.

## FACULTY ACHIEVEMENTS



Mr.L.Ganesh, Asst. Prof., ECE was awarded PhD for his thesis on "New Navigation Algorithm for GAGAN based PAs" under the guidance of Prof. G.Sasibhushana Rao, ECE, AUCE from Andhra University in January 2017.

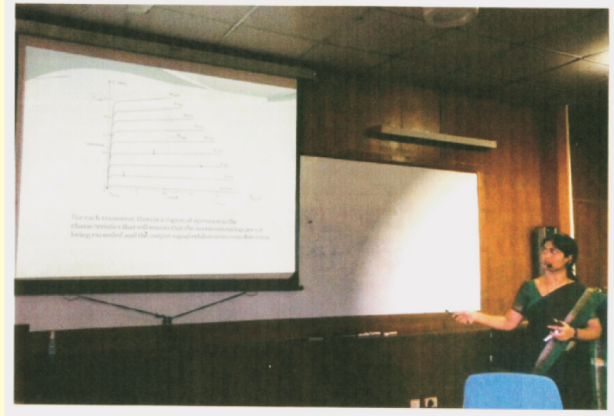


Mr.D.Eswara Chaitanya, Asst. Prof., ECE was awarded PhD for his thesis on "Algorithms for localization of near and far radiating sources over the Indan Airspace" under the guidance of Prof.G.Sashibhushana Rao, ECE, AUCE(A) from Andhra University in May 2017.

- NBA has visited the department during November 2016 and accredited for a period of 3 years from 2016-17 to 2018-19.
- DAC Meeting is held on 20-2-17 at 10:30AM in DSP Laboratory of ECE Dept. with the agenda as review of autonomous syllabus for 3<sup>rd</sup> year Autonomous Sem-I & II..
- BOS Meeting is held on 25-3-17 at 10:30AM in DSP Laboratory of ECE Dept. with the agenda as review of autonomous syllabus for 3<sup>rd</sup> year Autonomous Sem-I & II..



## Faculty Special Achievements



- Dr.V.Rajyalakshmi, Assoc.Prof. ECE has been delivered a lecture on "Design Aspects of Analog and Power Electronics" in a Continues Education Programme (CEP) organized by NSTL, Visakhapatnam during 11<sup>th</sup>-17<sup>th</sup> July 2016.
- Dr.K.Murali Krishna, Prof. ECE, ANITS has been appointed as observer for all India level entry test (CEPTAM-08) conducted by DRDO under Ministry of Defence in Visakhapatnam city on 17<sup>th</sup> July 2016.
- Dr.K.Murali Krishna, Prof. ECE, ANITS has been appointed as Andhra University Annual Board of Studies - BOS Member in Engineering conducted by Andhra University College of Engineering, Visakhapatnam on 16<sup>th</sup> July 2016.
- Dr.K.Murali Krishna, Prof., ECE, ANITS has been invited as a Guest Speaker for a Two Day Workshop on "MATLAB for Engineering Applications" organized by Department of ECE, SIR CR REDDY College of Engineering, Eluru during 19<sup>th</sup>&20<sup>th</sup> August 2016.
- Dr.K.Murali Krishna, HOD, ECE, ANITS has been invited as a Guest Speaker for a talk "Advanced technologies in Electronics and communications" organized by Department of ECE, SIR CR REDDY College of Engineering, Eluru during 19<sup>th</sup>&20<sup>th</sup> August 2016.
- Dr.V.Rajyalakshmi, Assoc.Prof., appointed as a HOD with effective from 8<sup>th</sup> December 2016.
- Mr.S.Balarama Murthy is reviewer for "International Journal of Advanced Metaheuristic Computing(IJAMC)", published by IGI Global publications, USA indexed by Web of Science Emerging Sources Citation Index (ESCI)

- Dr.V.Rajyalakshmi Assoc. Prof., Dept. of ECE has been appointed as Reviewer of 7th IEEE International Advance Computing Conference (IACC-2017) organized by IEEE Computer Society Chapter of India Council & VNRVignana Jyothi Institute of Engineering and Technology, Hyderabad during 5th - 7th January 2017 to be conducted at VNRVJIT, Hyderabad.
- Mr.N.Srinivas Naidu Asst. Prof., ECE and Mr.N.Ram Kumar Asst. Prof., ECE have actively coordinated in the National level workshop on "IoT-Internet of Things" an outreach workshop of Technex-17, organized by IIT Varanasi in association with EPROBE2K17 at Dept.of ECE, ANITS during 25th and 26th February 2017.
- Dr.K.Murali Krishna, Prof., ECE has been appointed as Reviewer for Pattern Recognition Letters- journal ELSEVIER International Journal from 13<sup>th</sup> February 2017.
- Mr.J.Bhaskar, Asst.Prof., ECE selected as the Technical Program Committee (TPC) for ICCISN'2018 (2018 International Conference on Computer Intelligent Systems & Networking) at Alfaisal University on 12<sup>th</sup> March 2017.
- Mr.D.Anil Prasad Asst.Prof., ECE has been invited as a Guest Speaker for a one Day Workshop on "Design and Implementation of Digital Circuits Using Verilog HDL" conducted by IET Visakhapatnam at GPTW, Bheemli on 10<sup>th</sup> March 2017.
- Mr.J.Bhaskar, Asst.Prof., ECE selected as the Technical Program Committee (TPC) of Fourth International Conference on Image Information Processing (ICIIP - 2017) at Jaypee University of Information Technology, Waknaghat, District Solan, Near Shimla, Himachal Pradesh on 8<sup>th</sup> March 2017.
- Mr.N.Srinivas Naidu Asst.Prof., ECE Delivered a Guest Lecture on "Advanced Microprocessors" at Avanthi Institute of Engineering and Technology on 8<sup>th</sup> March 2017.
- Mr.J.Bhaskar, Asst.Prof., ECE appointed as a Reviewer of Indian journal of Science and technology (INDJST) from March 2017.
- Mr.J.Bhaskar, Asst.Prof., ECE selected as the National Advisory Member of International Conference On Soft Computing Applications To Power Systems & Power Electronics (ICPSPE-17) which will be held on 12th 13th April 2017 at Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, (Sankara University), Kanchipuram.
- Mr.J.Bhaskar, Asst.Prof., ECE selected as the Technical Program Committee (TPC) of 2nd International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2017) at Central University of Rajasthan, Ajmer on 13<sup>th</sup> May 2017.

## Faculty Journal Publications

- Dr. K.Ranga Rao Prof., ECE published a research paper titled "Comparison of various Algorithms for RD, RID and RIC methods using ISAR imaging" in International Journal of Applied Engineering Research, Volume 11, Number 5, pp 3364-3368, June 2016.
- Dr. K.Ranga Rao Prof., ECE published a research paper titled "Optimization of Parameters for ISAR imaging using MDCFT algorithm and its comparison with Gabor transform" in International Journal of Applied Engineering Research, Volume 11, Number 3, pp 1556-1561, June 2016.
- Mr.L.Ganesh, Asst.Prof, ECE published a research paper titled "Sagnac Effect and SET Error based Pseudorange Modeling for GPS Applications" in Elsevier Procedia Computer Science Journal, Vol.87, pp.172-177, June 2016.
- Mr.L.Ganesh, Asst.Prof, ECE published a research paper titled "Fast Acquisition of GPS Signal using FFT Decomposition" in Elsevier Procedia Computer Science Journal, Vol.87, pp.172-177, June 2016
- Mr.L.Ganesh, Asst.Prof and Mr.D.Eswar Chaitanya, Asst.prof. ECE published a research paper titled "TDOA measurement based GDOP analysis for radio source localization" in Elsevier Procedia Computer Science Journal, Vol.87, pp.172-177, June 2016.
- Mr.L.Ganesh, Asst.Prof, ECE published a research paper titled "Expectation Maximization based image fusion algorithm for detection of Underwater targets from SONAR images" in Elsevier Procedia Computer Science Journal, Vol.87, pp.172-177, June 2016.
- Mr.D.Eswar Chaitanya, Asst.prof. ECE published a research paper titled "Unknown radio source localization based on a modified closed form solution using TDOA measurement technique" in Elsevier Procedia Computer Science Journal, Vol.87, pp.184-189, June 2016
- Dr.K.Murali Krishna, Prof, Dept.of ECE has published a paper titled "Performance Comparison of Channel Estimation in MIMO-OFDM System using Wavelet Transform and Fourier Transform" in an International Journal of Modern Electronics and Communication Engineering (IJMECE), ISSN: 2321-2152 Volume No. - 5, Issue No. 2, March, 2017.
- Mr.J.Bhaskara Rao, Asst.Prof, ECE has published a paper titled "Estimation of Roughness parameters of a surface using different image enhancement techniques" in an International Journal of Engineering (IJE), Volume 30, Number 5, DOI: 10.5829, PP: 652-658 in May 2017.

## FACULTY PAPER PUBLICATIONS IN CONFERENCE

- Dr. K.Ranga Rao, Prof., ECE has presented a paper on "ISAR imaging of moving targets for cubic chirps using proposed method for varying angular speeds" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Dr. K.Raja Rajeswari, Prof., ECE has presented a paper on "BER Reduction Technique for Nonlinear OFDM Transmission" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Dr. K.Ranga Rao, Prof., ECE has presented a paper on "Comparison of RD, RID and RIC techniques for different Targets" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Dr. K.Ranga Rao, Prof., ECE has presented a paper on "Effect of Signal Length and SNR on imaging of Targets with complex motion using MDCFT" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Mr.R.Sundar, Asst.Prof., ECE has presented a paper on "Maximum Likelihood Estimation of Parameters of Distributions" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Mr.J.Bhaskara Rao Asst.Prof., ECE has presented a paper on "Comparative Analysis of Fixed Point and Floating Point PID Controllers in FPGA" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016
- Mr.D. Eswara Chaitanya Asst.Prof., ECE has presented a paper on "Analysis of the Effect of Unknown Source Range on TDOA Localization" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1st-2nd October 2016.
- Dr.V.Rajyalakshmi, Assoc., Prof., ECE has presented a paper on "Investigation On UWB Kite Shape Textile Antenna With Defective Ground Structure" in 3rd International Conference On Advances In Electrical Electronics Information Communication And Bioinformatics AEEICB-2017 organized by Pratyusha Engg College Hyderabad during 27th to 28th February 2017.
- Dr.V.Rajyalakshmi, Assoc., Prof., ECE has presented a paper on "Design and analysis of crescent shape textile antenna for WLAN applications" in 7<sup>th</sup> IEEE International Advance Computing Conference (IACC-2017) organized by IEEE Computer Society Chapter of India Council & VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad during 5<sup>th</sup> to 7<sup>th</sup> January 2017.
- Dr.K.Murali Krishna, Prof., ECE has presented a paper on "Improvement measures of DHT precoded OFDM over WiMAX Channels with Piecewise Linear Companding" in 13th International IEEE India Conference INDICON 2016 organized by IEEE Bangalore Section at IISc Bangalore during 16th to 18th December 2016.
- Dr.V.Rajyalakshmi, Assoc., Prof., ECE has presented a paper on "Rotatable frequency reconfigurable antenna for PCs, Wi-Fi and Wi-MAX applications" in International Conference on Micro Electronics, Electromagnetics and Telecommunications ICMEET-2016 Organized by Raghu Educational Society, Visakhapatnam during 5<sup>th</sup> to 7<sup>th</sup> January 2017.
- Ms.B.Deepa, Asst., Prof., ECE has presented a paper on "Multiband characteristics of the slot-loaded aperture fed antenna" in International Conference on Micro Electronics, Electromagnetics and Telecommunications ICMEET-2016 organized by Raghu Educational Society, Visakhapatnam during 5th to 7th January 2017.
- Dr.K.Murali Krishna, Prof., ECE has presented a paper on "New Training pattern for DFT based channel estimation in OFDM system" in International Conference on Micro Telecommunications ICMEET-2016 organized by Raghu Educational Society, Visakhapatnam during 5th to 7th January 2017.
- Mr.J.Bhaskara Rao, Asst.Prof, ECE has presented a paper on "Contrast Stretching method to determine the surface roughness parameters" in a two day national conference on Advances in Communication Technologies (NCACT-2017) organized by Department of ECE, GITAM Institute of Technology, GITAM, Visakhapatnam during 24th -25<sup>th</sup> March 2017.

- Dr.K.Murali Krishna, Prof, Dept.of ECE has presented a paper on "An Adaptive Step-size Algorithm for Spare Channel Recovery in MIMO OFDM Systems with Near-Optimal Pilot Assignment" in a two day national conference on Recent Trends in Electrical and Electronics Engineering, RTEEE 2017 organized by Department of EEE, Vignan's IIT, Visakhapatnam during April 14<sup>th</sup> to April 15<sup>th</sup> 2017.

#### **FACULTY AND STUDENT JOINT PUBLICATIONS**

- Mr.S.Balarama Murthy, Assoc. Prof., Ms.G.Gayatri, Asst.Prof. ECE and MsD.Shravani, 2/2 M.Tech, ECE have jointly published a research paper titled "Performance Evaluation of ECG signal using Frequency, Time-frequency and Feature Vector ECG Signal Analysis (FVESA)" in an International Journal of Engineering and Management Research (IJEMR), Volume-6, Issue-4, Page Number: 244- 247, ISSN (ONLINE): 2250-0758, SSN (PRINT): 2394-6962, July-August 2016
- Dr.K. Murali Krishna, Prof. ECE and Mr.T.Ajay II/II M.Tech (CS) have jointly published a research paper titled "A Hybrid technique for PAPR reduction of OFDM using DHT Precoding with piecewise linear Companding" in an International Journal ICTACT journal on communication Technology (Copernicus Indexed), VOLUME: 07, ISSUE: 02, June 2016 pp.1315-1320, ISSN: 2229-6948.
- S.Kavya Kumari, B.Mamatha, B.V.Rao and S.Balarama Murty, "Design Optimization of Radar Absorbing Materials using Particle Swarm Optimization", IJAMC, IGI Global, Vol.4, Issue 8, 2017
- Vukkem Sri Harsha, S. Balarama Murty, Taniya Jain and Ram Nishanth Vanka, "Performance analysis of SGA and LSE family of algorithms in adaptive noise cancellation applied to fetal electrocardiogram", Journal of Instrument Society of India, March 2017
- Dr.V.Rajyalakshmi Assoc. Prof., and Ms.P.Devi, 2/2 M.Tech, of ECE has presented a paper on "Frequency Reconfigurable Antenna for wireless application" in International Symposium on Antennas and Propagation ISAP-2016, during 24th - 28th Oct 2016, at Okinawa, Japan.
- Dr. K.Murali Krishna, Prof. & HOD, ECE and Mr.T.Ajay 2/2 M.Tech, ECE has presented a paper on "Improvement Measures of DHT Precoded OFDM over WiMAX Channels with Piecewise Linear Companding" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Dr. K.Murali Krishna, Prof. ECE and Ms.Ch.Sudeepthi 2/2 M.Tech, ECE has presented a paper on "Simulation and Tension Control of Deployment of Fiber Optic Cable for Under Water Vehicles" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Mr.S. Balarama Murty Assoc.Prof., ECE and Ms.D.Saravani 2/2 M.Tech, ECE has presented a paper on "Atrial fibrillation Detection using Frequency,time-frequency and Feature vector ECG signal analysis (FVESA)" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Mr.D.Anil Prasad Asst.Prof., ECE and Ms.K.Jayanthi 2/2 M.Tech ECE has presented a paper on "Sonar Target Detection For A Chirp Signal In FRFT Domain" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Dr. K.Murali Krishna, Prof. ECE, Mr.Vijay Kumar Sahu Asst.Prof., ECE and Mr.Y.Venkatesh 2/2 M.Tech, ECE has presented a paper on "Polarization Reconfigurable Patch Antenna for ISM Band Applications" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Ms.Ch. Anoosha Asst.Prof., ECE, Ms.D.Nagmani Asst.Prof., ECE and Ms.P.Tirumala 2/2 M.Tech, ECE has presented a paper on "Dual Microphone Wind Noise Reduction by Exploiting the Complex Coherence" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.

- Mr.J.Bhaskara Rao Asst.Prof., ECE and Ms.A.Abhishiktha 2/2 M.Tech, ECE has presented a paper on "Contrast Stretching Method To Determine The Surface Roughness Parameters" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>- 2<sup>nd</sup> October 2016.
- Mr.A. Lakshmi Narayana Asst.Prof., ECE and Mr.D.Diwakar 2/2 M.Tech, ECE has presented a paper on "Next Generation Heterogeneous Wireless Networks Handover Probability Analysis Based on Equal Bandwidth Allocation" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Mr.A.Siva Kumar Asst.Prof., ECE, Mr.Bibekananda Jena Asst.Prof., ECE and Mr.G.Vishnuvardhan Reddy 2/2 M.Tech, ECE has presented a paper on "An Efficient Random Valued Impulse Noise Suppression Technique using Artificial Neural Network and Non-Local Mean Filter" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.

#### **WORKSHOPS / SEMINARS/ FDPs ATTENDED BY FACULTY**

- Mr.D.Sampath Kumar, Asst.Prof., Mrs.K.Yashoda, Asst.Prof., Mr.K.Vijay Kumar Raju, Asst.Prof., Ms.Sk.Ahamadunnisa, Asst.Prof., Mr.N.Ram Kumar, Asst.Prof., Mr.R.Sunadar, Asst.Prof. and Mr.Satish Virothu, Asst.Prof., ECE attended a faculty development programme on "Instructional Design and Delivery Systems" conducted by ANITS Sangivalasa during 13<sup>th</sup>-18<sup>th</sup> June 2016.
- Dr.K.Murali Krishna, Prof. and Mr.D.Anil Prasad, Asst.Prof., ECE have attended IEEE Education Society's Three day Workshop on "Quality Initiative in Outcome Based Technical Education System(Towards achieving NBA Accreditation)" organized by IEEE Education Society and IEEE Hyderabad Section in association with Dept. of ECE Matrusri Engineering College, Hyderabad during 1<sup>st</sup> 3<sup>rd</sup> September 2016.
- Mrs.M.Nirmala, Asst.Prof. and Mr.VijayKumar Sahu,Asst.Prof. ECE have attended One Week Faculty Development Programme(FDP) on "Advances in Practical RF Antenna Design" Jointly Organized by

Electronics & ICT Academy, NIT Warangal & Dept. of ECE LENDI Institute of Engineering & Technology, Vizianagaram during 13<sup>th</sup>-18<sup>th</sup> September 2016.

- Mrs.Ch.Anoosha, Asst.Prof. ECE attended One Week Faculty Development Programme (FDP) on "Advanced Digital Signal Processing and Applications" jointly organized by Electronics & ICT Academy, NIT Warangal and Dept. of ECE Vardhaman College of Engineering, Hyderabad during 19<sup>th</sup>-24<sup>th</sup> September 2016
- Mr.B.Chandra Mouli, Asst., Prof., Mr.L. Ganesh, Asst., Prof. and Ms.P.Chaya Devi, Asst., Prof ECE attended a one week faculty development program on "Advances in Communication Technology" organized by Department of ECE, AITAM, Tekkali during 26<sup>th</sup> September to 1<sup>st</sup> October 2016.
- Mr.D.Anil Prasad, Asst.Prof., ECE have attended the short course on "Modeling and simulation of Nano-Transistors" organized by Department of Electrical Engineering, IIT Kanpur during 13<sup>th</sup> to 17<sup>th</sup> February 2017.
- Mr.S.Balarama Murty, Assoc. Prof and Mr.N.Srinivas Naidu Asst. Prof., ECE have attended a two day workshop on "Reconfigurable Hardware Design Cycle" organized by Dept.of ECE, Gayatri Engineering College (A), Visakhapatanam during 27<sup>th</sup>-28<sup>th</sup> March 2017.
- Mr.Vijay Kumar Sahu, Asst Prof,ECE have attended 16<sup>th</sup> One Week Short Term Training Program on "Advanced Engineering Optimization through Intelligent Techniques" organized by NIT Surat, Gujarat from 27<sup>th</sup> to 31<sup>st</sup> March 2017.
- Ms.Ch.Anoosha Asst Prof,ECE, Ms.M.Syamala, Asst Prof,ECE and Mr.A.Siva Kumar Asst Prof,ECE have attended a two day workshop on "Graphical System Designing using LabView" Organized by Dept. of ECE, AUCOE, AU, Visakhapatnam from 30<sup>th</sup> to 31<sup>st</sup> March 2017.
- Mr.B.Kiran Patrudu, Asst Prof,ECE, Mr.D.Sampath Kumar, Asst Prof,ECE and Mr.B.Ravi Kumar, Asst Prof,ECE have attended a two day workshop on "Recent Advances in Signal Processing and Communications" Organized by Dept. of ECE, GMRIT, Rajam from 21<sup>st</sup> to 22<sup>nd</sup> April 2017.
- Mr.N.Srinivas Naidu, Asst Prof,ECE has attended one week faculty development program on "Internet of Things" Organized by Dept. of ECE in association with TLC, NIT Warangal from 8<sup>th</sup> to 13<sup>th</sup> May 2017.



- Mr.Vijay Kumar Sahu, Asst Prof,ECE have attended faculty development program on "Intelligent Signal Processing and Control Systems Design using Bio Inspired Algorithm" Electronics & ICT Academy and Department of Electronics and Communication and Engineering, NIT Warangal from 22<sup>nd</sup> to 31<sup>st</sup> May 2017.

### STUDENT ACHIEVEMENTS

- Ms.V.Sri Kavya IV/IV ECE got Dr. B RAmbedkar Merit Scholarship of RINL- Visakhapatnam Steel Plant in February 2017.
- Ms.V.Soudhamini III/IV ECE-C got merit certificate and scholarship of 40% in GATE Scholarship test (MOCK GATE) conducted by The Gate Academy, Visakhapatnam at ANITS, Sangivalaga on 9<sup>th</sup> December 2016.
- Mr.D.Abhiram III/IV ECE-C got merit certificate in MAT 2016 Scholarship test conducted by Millennium Software Solutions in association with Dr.Durgabai Deshmukh Centre for Women's Studeis, Andhra University, Visakhapatnam on 12<sup>th</sup> December 2016.
- Ms.V.V.L.Manasa(312126512111) ECE (2012-2016) awarded Prathibha Award by State Government of Andhra Pradesh in the month of September 2016.
- Mr.T.Ajay II/II M.tech (CS) participated as a resource person for a Two Day Workshop on "MATLAB for Engineering Applications" organized by Department of ECE, SIR CR REDDY College of Engineering, Eluru during 19<sup>th</sup> 20<sup>th</sup> August 2016.

### PAPERS PRESENTED BY STUDENTS

- Ms.B.Bhavana III/IV ECE-A presented a paper titled "Haptic Technology" in the event paper presentation in EPROBE-2K17 a two day national level student tech fest organized by Dept. of ECE, ANITS engineering College, Sangivalasa during 27<sup>th</sup> to 28<sup>th</sup> February 2017.
- Ms.K.Sowjanya III/IV ECE-C presented a paper titled "Smart Textiles" in the event paper presentation in EPROBE-2K17 a two day national level student tech fest organized by Dept. of ECE, ANITS engineering College, Sangivalasa during 27<sup>th</sup> to 28<sup>th</sup> February 2017.
- Mr.N.Nitish II/IV ECE presented a paper titled "Signaling in Indian Railways" in the event paper presentation in EPROBE-2K17 a two day national level student tech fest organized by Dept. of ECE, ANITS engineering College, Sangivalasa during 27<sup>th</sup> to 28<sup>th</sup> February 2017.
- Ms.M.Preethi III/IV ECE-B has presented a paper in the event paper presentation in TRANCE2K17 a national level student technical symposium organized by the dept. of ECE, SRKR Engineering College, Bhimavaram during 10<sup>th</sup> to 11<sup>th</sup> February 2017.

- Ms.P.Devi, 2/2 M.Tech, of ECE has presented a paper on "Frequency Reconfigurable Antenna for wireless application" in International Symposium on Antennas and Propagation ISAP-2016, during 24th - 28th Oct 2016, at Okinawa, Japan.
- Mr.T.Ajay 2/2 M.Tech, ECE has presented a paper on "Improvement Measures of DHT Precoded OFDM over WiMAX Channels with Piecewise Linear Companding" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Ms.Ch.Sudeepthi 2/2 M.Tech, ECE has presented a paper on "Simulation and Tension Control of Deployment of Fiber Optic Cable for Under Water Vehicles" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Mr.Y.Venkatesh 2/2 M.Tech, ECE has presented a paper on "Polarization Reconfigurable Patch Antenna for ISM Band Applications" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Mr.D.Diwakar 2/2 M.Tech, ECE has presented a paper on "Next Generation Heterogeneous Wireless Networks Handover Probability Analysis Based on Equal Bandwidth Allocation" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Ms.P.Tirumala 2/2 M.Tech, ECE has presented a paper on "Dual Microphone Wind Noise Reduction by Exploiting the Complex Coherence" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Ms.D.Saravani 2/2 M.Tech, ECE has presented a paper on "Atrial fibrillation Detection using Frequency,time-frequency and Feature vector ECG signal analysis (FVESA)" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.

- Ms.K.Jayanthi 2/2 M.Tech ECE has presented a paper on "Sonar Target Detection For A Chirp Signal In FRFT Domain" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Ms.A.Abhishiktha 2/2 M.Tech, ECE has presented a paper on "Contrast Stretching Method To Determine The Surface Roughness Parameters" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Mr.G.Vishnuvardhan Reddy 2/2 M.Tech, ECE has presented a paper on "An Efficient Random Valued Impulse Noise Suppression Technique using Artificial Neural Network and Non-Local Mean Filter" in a National Conference in Recent Challenges in Electronics & Communication Technology organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Ms.K.Lavanya , Ms.Sunanda Behera and Ms.K.Sadhana of III/IV ECE have presented a paper titled "Automation System and Applications" in a National Conference in Recent Challenges in Electronics & Communication Technology NCRCECT 2016 organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Mr. K. Krishna Nikhil, Ms. K. Lavanya, Mr.K.VamsiKrishna and Ms. Sheeba Tanveer of III/IV ECE have presented a paper titled "Integrated Optics and Optoelectronics" in a National Conference in Recent Challenges in Electronics & Communication Technology NCRCECT 2016 organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Ms.J.Harini, Ms. B.Bhavana, Ms.CH.Chaitanya, Ms.D.G.N.Deepika and Ms. K.Sneha of III/IV ECE have presented a paper titled "Smart and Bioelectronics" in a National Conference in Recent Challenges in Electronics & Communication Technology NCRCECT 2016 organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Mr. K.S.V.Pavan Santosh Kumar, Mr. P.Kaushik and Mr. Mohammad Muktar Ali of III/IV ECE have presented a paper titled "Automation Systems and Applications" in a National Conference in Recent Challenges in Electronics & Communication Technology NCRCECT 2016 organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Mr.R.Gopala Krishna and Mr.P.Laxma Reddy of III/IV ECE have presented a paper titled "Radar and Underwater Communication" in a National Conference in Recent Challenges in Electronics & Communication Technology NCRCECT 2016 organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Ms. Ch.Sri Lakshmi Janaki, Ms. D.Bhargavi, Ms. G.Madhuri and Ms. Jeenathamam of III/IV ECE have presented a paper titled "Embedded system" in a National Conference in Recent Challenges in Electronics & Communication Technology NCRCECT 2016 organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Mr.S.Murali Manohar IV/IV ECE have presented a paper titled "Generation of Electricity Using Sound" in a National Conference in Recent Challenges in Electronics & Communication Technology NCRCECT 2016 organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016
- Mr. Shaik Akbar and Mr.Venkatesh Patnala III/IV ECE have presented a paper titled "I Security Night Vision System For Nocturnal Driving - An Embedded System Based Approach" in a National Conference in Recent Challenges in Electronics & Communication Technology NCRCECT 2016 organized by Department of ECE, ANITS . Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Mr. S.Naresh III/IV ECE has presented a paper titled "Internet of Things (IoT):A vision, Architectural element and Future direction" in a National Conference in Recent Challenges in Electronics & Communication Technology NCRCECT 2016 organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Mr. P.Rama Krishna Reddy III/IV ECE have presented a paper titled "Travelling of magnetic lines of forces in a copper ring creates Bullet trains" in a National Conference in Recent Challenges in Electronics & Communication Technology NCRCECT 2016 organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Mr. N.Rajanish, Mr. T.Durga Prasad and Ms. R.V.Pranathi of III/IV ECE have presented a paper titled "Nano Based Camouflage and Stealth Applications" in a National Conference in Recent Challenges in Electronics & Communication Technology NCRCECT 2016 organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.
- Ms. P.Gayathri, Ms. N.Praveena and Ms. L.Taneesha of III/IV ECE have presented a paper titled "BIONIC EYE" in a National Conference in Recent Challenges in Electronics & Communication Technology NCRCECT 2016 organized by Department of ECE, ANITS, Sangivalasa during 1<sup>st</sup>-2<sup>nd</sup> October 2016.

- Mr. M.Vikramaditya Raja, Mr. M.Kiran kumar, Mr. N.V.sai Varun and Mr. N.Vamsi Krishna of III/IV ECE have presented a paper titled "Transform Technology" in a National Conference in Recent Challenges in Electronics & Communication Technology NCRCECT 2016 organized by Department of ECE, ANITS, Sangivalasa during 1st-2<sup>nd</sup> October 2016.
- Ms.K.Apoorva, Ms.G.V.Durga and Mr. Venkata Siva Ram, of IV/IV ECE have presented a paper titled "Performance Analysis of Precoding Techniques of OFDM" in a National Conference in Recent Challenges in Electronics & Communication Technology NCRCECT 2016 organized by Department of ECE, ANITS, Sangivalasa during 1st-2<sup>nd</sup> October 2016.
- Ms.U.Sai Sree, Ms.V.Soudamini and Ms.K.Sravya of III/IV ECE have presented a paper in a National Conference in Recent Challenges in Electronics & Communication Technology NCRCECT 2016 organized by Department of ECE, ANITS, Sangivalasa during 1st-2<sup>nd</sup> October 2016.
- Ms. D.Shravani, 2/2 M.Tech, ECE have published a research paper titled "Performance Evaluation of ECG signal using Frequency, Time-frequency and Feature Vector ECG Signal Analysis (FVESA)" in an International Journal of Engineering and Management Research (IJEMR), Volume-6, Issue-4, Page Number: 244-247, ISSN (ONLINE): 2250-0758, ISSN (PRINT): 2394-6962, July-August 2016.
- Mr.T.Ajay II/II M.Tech (CS) has published a research paper titled "A Hybrid technique for PAPR reduction of OFDM using DHT Precoding with piecewise linear Companding" in an International Journal ICTACT journal on communication Technology (Copernicus Indexed), VOLUME: 07, ISSUE: 02, June 2016 pp.1315-1320, ISSN: 2229-6948.
- Ms.Praveena, Ms.Gayatri Lakshmi Raghava, Mr.KSVP Santhosh Kumar and Mr.P.Koushik III/IV ECE-B have attended a workshop on "Paired Robotics" in SHAASTRA 2017 organized by IIT Madras on 2<sup>nd</sup> January 2017.
- Mr.Md.Muktarali, Mr.P.Bharath, Ms.P.Sai Naga Vandhana, Mr.M.Krupa Kumar and Mr.N.V.S.S.Naidu III/IV ECE-B have attended a workshop on "SPAD" in SHAASTRA 2017 organized by IIT Madras on 2<sup>nd</sup> January 2017.
- Ms.A.Drakshayani, Ms.Y.Sruthi III/IV ECE-C and Ms.B.Bhavana, Mr.D.Sandeep, Mr.AVN Madhusudhan, Mr.B.Srikanth Chowdary, Mr.D.V.Subramanyeswara Rao, Mr.E.Ganesh Ashrith, Mr.GSNV Sandeep, Mr.G.Ravi Teja, Mr.K.V.N.M.Pavan Kumar III/IV ECE-A have attended a workshop on "IOT for Automobiles" in SHAASTRA 2017 organized by IIT Madras on 2<sup>nd</sup> January 2017.
- Mr.V.Premchand, Mr.T.Raja, Mr.V.Dinesh and Mr.V.Ravi Teja III/IV ECE-C have attended a workshop on "Object Tracking Bot" in SHAASTRA 2017 organized by IIT Madras on 2<sup>nd</sup> January 2017.
- Ms.A.Drakshayani, Ms.V.Sai Sravanthi, Ms.Y.Sruthi, Mr.Y.Sai Kumar III/IV ECE-C and Ms.K.Sonam Singh III/IV ECE-B have attended a workshop on "PCB Design" in SHAASTRA 2017 organized by IIT Madras on 2<sup>nd</sup> January 2017.
- Ms.N.Sindhusha III/IV ECE-B and Ms.B.Bhavana III/IV ECE-A have attended a workshop on "Ethical Hacking and Information Security" in SHAASTRA 2017 organized by IIT Madras on 31<sup>st</sup> December 2016.
- Ms.K.Sravya, Ms.Meghana Raj, Ms.K.Sadhana, Ms.K.Lavanya, Ms.K.Vamsi Krishna and Mr.K.Krishna Nikhil III/IV ECE-A has attended a workshop on "Hand Controlled Bot Workshop" in SHAASTRA 2017 organized by IIT Madras on 31<sup>st</sup> December 2016.
- Ms.K.Keerthi, Ms.T.Pravallika, Mr.Shahid Afridi, Mr.S.Naresh, Mr.V.RaviTeja, Ms.D.Bhavana, Ms.B.Bhavana, Ms.B.Dharani, Ms.Pooja Latha Reddy, Ms.Ch.S.L.Janaki, Ms.D.Sushmitha, Ms.D.Sai Sowmya, Ms.Bhargavi, Ms.G.Gayatri, Mr.Y.Sai Kumar, Mr.P.Ramakrishna Reddy and Ms.A.Drakshayani III/IV ECE and Mr.K.Srinivas, Mr.M.Sai Pavan, Mr.M.Vikash, Mr.M.Sai Babu, Mr.N.Chaitanya, Mr.N Sandeep II/IV ECE have attended a workshop on "Cyber Security and Ethical Hacking" organized by Department of IT in association with Lemures Technologies Pvt. Ltd. at ANITS, Sangivalasa during 20<sup>th</sup> December to 24<sup>th</sup> December 2016.

#### **WORKSHOPS ATTENDED BY STUDENTS**

- Mr.A.Gowtham Reddy, Ms.D.Bhargavi and Ms.Pooja Latha Reddy III/IV ECE-A have attended a workshop on "TIMSP432" in SHAASTRA 2017 organized by IIT Madras on 3<sup>rd</sup> January 2017.
- Mr.Ch.K.Chaitanya and Ms.D.G.N.Deepika III/IV ECE-A have attended a workshop on "Techtrunk-Webpreneurship" in SHAASTRA 2017 organized by IIT Madras on 3<sup>rd</sup> January 2017.
- Mr.Ch.K.Chaitanya and Ms.D.G.N.Deepika III/IV ECE-A have attended a workshop on "Techtrunk-Digital WaterMarking" in SHAASTRA 2017 organized by IIT Madras on 3<sup>rd</sup> January 2017.

- Ms.M.Preethi III/IV ECE-B has attended a workshop on “Mind Controlled Robotics” organized by Robokart in association with Innovation Cell UMIC, IIT Bombay in the event TRANCE2K17 a national level student technical symposium organized by the dept. of ECE, SRKR Engineering College, Bhimavaram during 10<sup>th</sup> to 11<sup>th</sup> February 2017.
- Mr.V.S.K.Kishore III/IV ECE-C has attended a workshop on “Cross Platform Mobile Application Development” in TECHFEST 2016-17 organized by IIT Bombay during 16<sup>th</sup> to 18<sup>th</sup> December 2016.  
Mr.A.Gowtham, Mr.A.Santhosh Kumar, Mr.Sunada Behra, Mr.B.Srujan, Ch.Bhuvanesh, Ms.G.Sravani, Mr.J.Sandeep Kumar, Mr.J.Naveen, Mr.K.Subhah Reddy III/IV ECE-A has attended a workshop on “Roboexpedition” in TECHFEST 2016-17 organized by IIT Bombay during 16<sup>th</sup> to 18<sup>th</sup> December 2016.
- Ms.K.Sravya, Ms.B.Bhavana, Ms.Usha sai sree and Ms.V.Nandini III/IV ECE-A have attended the one-day workshop on “Control Systems” organized by Triumphant Institute of Management Education Pvt. Ltd.(TIME), Visakhapatnam on 31<sup>st</sup> July 2016.

#### **HARDWARE MODULES PRESENTED BY STUDENTS**

- Mr.S.Anil Kumar, Mr.Abdhul Khadar Jilani, Ms.P.Bhagya Lakshmi, Ms.G.T.Sudha Rani and Ms.B.Sravani of III/IV ECE-C won **1<sup>st</sup> prize and 5,000/- Cash Prize** in the event hardware expo titled “POV (persistence of Vision) Display” in Nanotechnology Research Conclave NRC-2017 organized by Centre for Nanotechnology, AU college of Engineering(A), AU, Visakhapatnam during 29<sup>th</sup> - 31<sup>st</sup> March 2017.
- Mr.S.Anil Kumar, Mr.Abdhul Khadar Jilani, Ms.P.Bhagya Lakshmi, Ms.G.T.Sudha Rani and Ms.B.Sravani of III/IV ECE-C won **3<sup>rd</sup> prize** in the event hardware model presentation titled titled “POV (persistence of Vision) Display” in college day celebrations of ANITS in the academic year 2016-17 at ANITS on 11<sup>th</sup> March 2017.
- Mr.S.Anil Kumar, Mr.Abdhul Khadar Jilani, Ms.P.Bhagya Lakshmi, Ms.G.T.Sudha Rani and Ms.B.Sravani of III/IV ECE-C won **1<sup>st</sup> prize and Trophies** in the event Project Expo hardware model presentation titled titled “POV (persistence of Vision) Display” in ECENTRA 2K17 a National Level Technical Symposium organized by Dept. of ECE, JNT University college of Engineering, JNTUK, Vizianagaram during 9<sup>th</sup> to 10<sup>th</sup> March 2017.
- Ms.B.Bhavana III/IV ECE-A has presented hardware model titled “RADAR using sensors” in the event Project Expo in ECENTRA 2K17 a National Level Technical Symposium organized by Dept. of ECE, JNT University college of Engineering, JNTUK, Vizianagaram during 9<sup>th</sup> to 10<sup>th</sup> March 2017.
- Ms.N.Ramya, Ms.B.Sravani and Ms.G.T.Sudha Rani of III/IV ECE-C won **1<sup>st</sup> prize** in the event hardware project model presentation titled “POV (persistence of Vision) Display” in 12<sup>th</sup> National Symposium for Women Medha Milan-2017 organized by Shri Vishnu Engineering College for Women (A), Bhimavaram during 7<sup>th</sup> to 8<sup>th</sup> March 2017.
- Ms.Y.Sindhuja, Ms.K.Sowjanya, Ms.V.Nandhini and Ms.V.Niharika of III/IV ECE-C have participated in the event hardware project model presentation titled “Emergency Security Systems for Humans F-NPS2” in 12<sup>th</sup> National Symposium for Women Medha Milan-2017 organized by Shri Vishnu Engineering College for Women (A), Bhimavaram during 7<sup>th</sup> to 8<sup>th</sup> March 2017.
- Mr.S.Anil Kumar, Mr.Abdhul Khadar Jilani, Ms.P.Bhagya Lakshmi, Ms.G.T.Sudha Rani and Ms.B.Sravani of III/IV ECE-C won **1<sup>st</sup> prize and 5,000/- Cash Prize** in the event hardware model presentation titled “POV (persistence of Vision) Display” in EPROBE-2K17 a two day national level student tech fest organized by Dept. of ECE, ANITS engineering College, Sangivalasa during 27<sup>th</sup> to 28<sup>th</sup> February 2017.
- Ms.V.Niharika III/IV ECE-C won **3<sup>rd</sup> prize** in the event hardware model presentation titled “Emergency Security Systems for Humans F-NPS2” in EPROBE-2K17 a two day national level student tech fest organized by Dept. of ECE, ANITS engineering College, Sangivalasa during 27<sup>th</sup> to 28<sup>th</sup> February 2017.
- Mr.N.Nitish II/IV ECE participated in the event hardware model presentation titled “Bluetooth controlled home automation system using AURDINO” in EPROBE-2K17 a two day national level student tech fest organized by Dept. of ECE, ANITS engineering College, Sangivalasa during 27<sup>th</sup> to 28<sup>th</sup> February 2017.
- Mr.P.Narendra Kumar II/IV ECE and Mr.M.Sai Kumaran III/IV ECE participated in Project Design Contest with a hardware model “Assistance Drone” in National level Student Symposium STEPCONE 2017 organized by Department of ECE, GMRIT, Rajam during 27<sup>th</sup> to 29<sup>th</sup> January 2017.
- Mr.D.Abhiram and Mr.P.Rama Krishna Reddy III/IV ECE have participated in Hardware expo organized by the department of EEE, Andhra University college of Engineering for Women, Andhra University, Visakhapatnam on 1<sup>st</sup> October 2016.

- Mr.P.Narendra Kumar II/IV ECE working on a project titled “Prosthetic for Transhumeral Amputees” has been **shortlisted for the quarterfinals** in “DST & Texas Instruments Inc. India Innovation Challenge Design Contest 2016” anchored by the Indian Institute of Management (IIM), Bangalore October 2016.

### EXTRACURRICULAR ACTIVITIES BY STUDENTS

- Ms.P.Yogitha II/IV ECE presented a formal poster at the ISDC SpaceSettlement Student Contest Poster Session in 36<sup>th</sup> International Space Development Conference (ISDC-2017) organized by National SpaceSociety (NSS), Washington, DC held at St Louis, Missouri from 25<sup>th</sup> May to 29<sup>th</sup> May 2017.
- Ms.B.Sravani and Ms.K.Sowjanya of III/IV ECE-C won **1<sup>st</sup> prize** in the event Technical Treasure Hunt in 12<sup>th</sup> National Symposium for Women Medha Milan-2017 organized by Shri Vishnu Engineering College for Women (A), Bhimavaram during 7<sup>th</sup> to 8<sup>th</sup> March 2017.
- Ms.N.Ramya, Ms.G.T.Sudha Rani, Ms.V.Nandhini, Ms.V.Niharika and Ms.Y.Sindhuja III/IV ECE-C have participated in the event Technical Treasure Hunt in 12<sup>th</sup> National Symposium for Women Medha Milan-2017 organized by Shri Vishnu Engineering College for Women (A), Bhimavaram during 7<sup>th</sup> to 8<sup>th</sup> March 2017.
- Ms.K.Sowjanya III/IV ECE-C stood Second Position in the event ELECTRICA in EPROBE-2K17 a two day national level student tech fest organized by Dept. of ECE, ANITS engineering College, Sangivalasa during 27<sup>th</sup> to 28<sup>th</sup> February 2017.
- Ms.B.Bhavana III/IV ECE actively participated in EPROBE-2K17 a two day national level student tech fest organized by Dept. of ECE, ANITS engineering College, Sangivalasa during 27<sup>th</sup> to 28<sup>th</sup> February 2017.
- Mr.T.Mohan Sai II/IV ECE **Runner up (Men's Singles) for badminton** in A.P.State Engineering College Meet (2016-17) conducted at KL University, Vijayawada during 5<sup>th</sup> -6<sup>th</sup> January 2017.
- Ms.K.Sravya, Ms.K.Sowjanya III/IV ECE and Mr.R.Eswar, Mr.R.Vinay, Mr.P.Mukesh, Mr.P.Deepak, Mr.P.Venkata Naga Sai, Mr.P.V.K.Gowtham, Ms.P.Padmini, Ms.P.Kavya, Mr.N.R.V.Satish, Mr.N.Chaitanya Sai, Mr.N.Manish Babu, Mr.N.N.Naveen, Mr.N.Manoj Kalyan, Ms.N.Divya, Mr.M.Sai Babu, Ms.M.G.S.Rajitha, Mr.M.Hari Vamsi, Mr.M.Sajida Tej, Ms.M.Haritha, Ms.M.Venkata Lavanya, Mr.M.Vikash, Ms.MVL.Padma Priya, Ms.M.Manasa Roja, Mr.M.Sai Pavan Kumar, Mr.MVK.Kalyan, Mr.M.Sreekar, Ms.M.Harika, Ms.L.Poojitha Reddy, Mr.K.Abhishek, Ms.K.Rajyalakshmi, Mr.Hemanth Kumar Varma, Mr.K.Srinath, Ms.S.Deepthi, Ms.M.Rasi, Ms.V.L.Priyanka, Ms.Y.Sunanadha Devi, Ms.G.Yamuna, Ms.R.Maheswari, Mr.V.Sumanth, Ms.Y.Sravya, Ms.T.Priyanka, Ms.T.Anjana, Ms.S.Tejaswi, Mr.B.Harsha, Mr.M.Ravi Kumar, Mr.K.Murali, Ms.TDV Gayatri, Ms.M.Jayalakshmi, Ms.Y.Niharika II/IV ECE have participated in EXPLORE-2K17 (a National Level Quiz Competition) organized by the IETE student forum and department of ECE at ANITS, Sangivalasa on 5<sup>th</sup> January 2017.
- Ms.V.Soudamini, Ms.U.Ushasri, Ms.V.Satyamadhuri III/IV ECE and Mr.P.Narendra Kumar II/IV ECE have attended a event “AERO'SGOT TALENT(AEROFEST)” in SHAASTRA 2017 organized by IIT Madras on 3<sup>rd</sup> January 2017.
- Ms.A.Drakshayani, Ms.V.Sai Sravanthi, Mr.Y.Sai Kumar and Ms.Y.Sruthi III/IV ECE-C have attended a event “ELECTART” in SHAASTRA 2017 organized by IIT Madras on 1<sup>st</sup> January 2017.
- Ms.U.Usha sai sree, Ms.V.Soudhanimi, Ms.V.Satyamadhuri, Mr.K.M.Sai Kumaran III/IV ECE and Mr.P.Narendra Kumar II/IV ECE have attended a event “SARC-AEROFEST” in SHAASTRA 2017 organized by IIT Madras on 31<sup>st</sup> December 2016.
- Mr.Abhishek Sharma and Ms.K.Sadhana III/IV ECE have attended an event “BRAND WARS” in SHAASTRA 2017 organized by IIT

- Mr.Y.Sai Kumar III/IV ECE-C have attended a event "Arduino Programming challenge" in SHAASTRA 2017 organized by IIT Madras on 1<sup>st</sup> January 2017.
- Mr.K.Dharma Teja IV/IV ECE and Mr.Y.Sri ram Kumar III/IV ECE have selected for college team for the game cricket in the au Inter University Tournament held at Andhra University during 21<sup>st</sup> Dec to 22<sup>nd</sup> Dec 2016.
- Ms.D.Sowjanya III/IV ECE **selected for south zone** inter university competitions which will be held in Chennai in December 2016.
- Ms.D.Sowjanya III/IV ECE **winner**s in inter colligate at Visakhapatnam municipal stadium at Visakhapatnam Port Stadium on 5<sup>th</sup> December 2016.
- Ms.D.Sai Sowmya and Ms.Y.N.Sowjanya of III/IV ECE are the **winner**s in the poster presentation in the event of "International Day of Elimination of Violence Against Women" organized by NRI Hospital, Sangivalasa conducted on 25<sup>th</sup> November 2016.
- Ms.D.Sowjanya III/IV ECE participated in National Ranking Table Tennis Championships-2016(South Zone) conducted by Andhra Pradesh Table Tennis Association under the direction of Table Tennis Federation of India at Visakhapatnam Port Stadium during 20<sup>th</sup> to 25<sup>th</sup> October 2016.
- Ms.D.Sowjanya III/IV ECE participated in 3<sup>rd</sup> A.P. State Ranking Table Tennis Tournament 2016 organized by Ananthapur Table Tennis Association during 8<sup>th</sup> to 10<sup>th</sup> September 2016.
- Ms.D.Sowjanya III/IV ECE participated in 2<sup>nd</sup> A.P. State Ranking Table Tennis Tournament 2016 organized by Rajamahendravaram during 1<sup>st</sup> to 3<sup>rd</sup> September 2016.

## Club Activities

### YOGA CLUB



Prof. P. Nirmala Devi, Director, Chairperson, Faculty of Yoga & Consciousness, Andhra University has inaugurated Yoga Club at ANITS Central Auditorium on 11<sup>th</sup> February 2017. In this function she addressed the gathering on a topic "Yoga for Holistic Health & Well Being."

M.Sindusha student of III/IV ECE-B is selected for "All India Inter University Yoga Championship" and participated in the same organized at Kurushetra University, Haryana on 15<sup>th</sup> March 2017.



## Sports Club

### Throw Ball

An INTRA DEPARTMENT Throw Ball Tournament was conducted on 22-12-2016. The Final match was won by III/IV ECE Students with a Score of 15 points.



### VOLLEY BALL TOURNAMENT

An INTRA DEPARTMENT Volley Ball Tournament was conducted on 31-12-2016. The Final match was won by Final year's by a difference of two points. The final score was 25-23 going in favour of Final year's.



### CRICKET TOURNAMENT

An INTRA DEPARTMENT Cricket Tournament was conducted from 19-12-2016 to 31-12-2016. Final match was conducted between IV<sup>th</sup> year and III<sup>rd</sup> year with final year winning the tournament with a Score of 76/3. The match was conducted under the guidance of B. CHANDRA MOULI, Assistant Professor, Department of E.C.E.

### BASKET BALL MATCH

A Basketball match (final) between third years and fourth years was conducted on 31-12-2016. The match was won by third years by a difference of one point.

### Shuttle Tournament

An INTRA DEPARTMENT Shuttle Tournament was conducted from 22-12-2016 to 31-12-2016 A Total of 18 students have participated for the tournament. The Final match was won by II/IV ECE-A Student.

Wall Magazine club re-initiated the Wall Magazine in the Department on 26<sup>th</sup> December 2016.

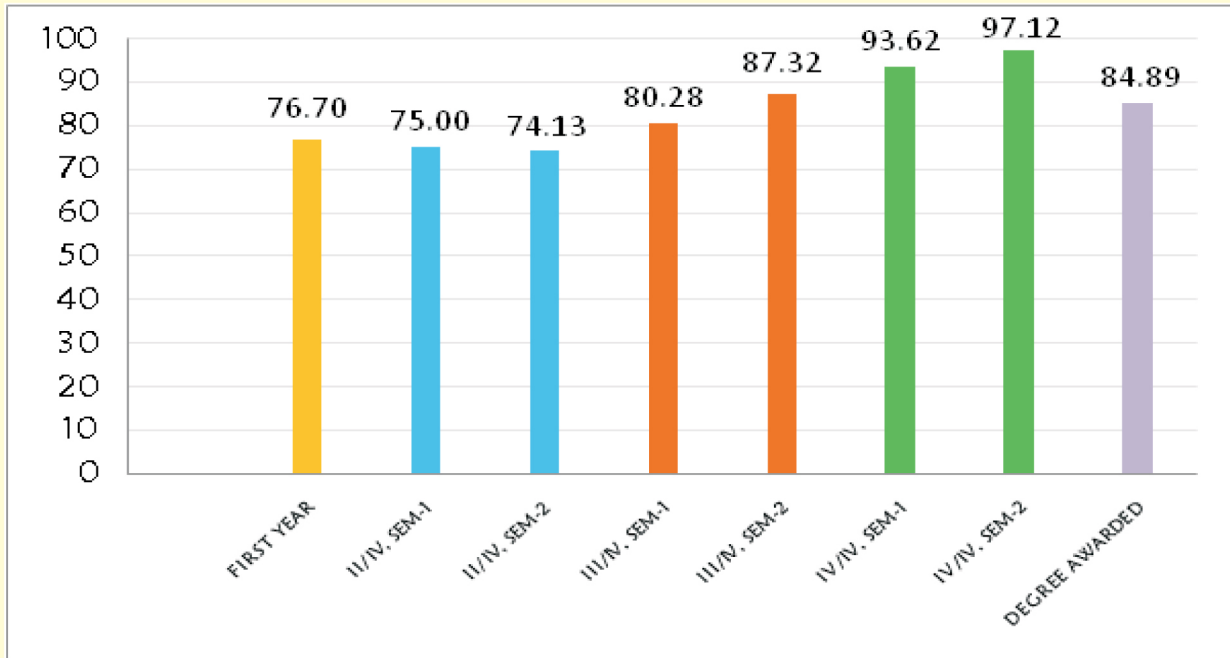
### Green Club

Mrs. Leena Basanthi, Managing Partner, Founder of Apna Bhoomi E-Waste Management Systems, appreciated Dept. of ECE, ANITS for gathering 260 Kg of E-Waste, as a part of Green Club Activity.

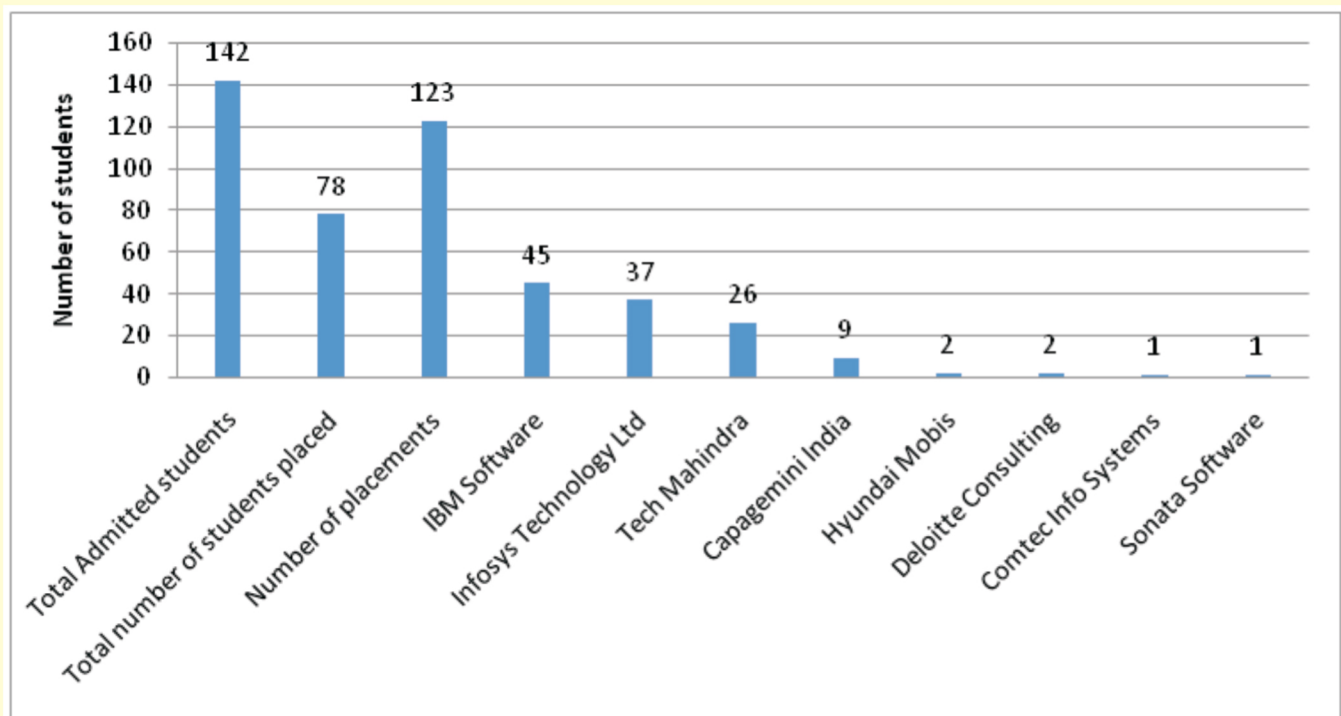
A Cricket Kit of 15000/- is given as a Token of Encouragement for Students of ECE as they won Hattrick in Annual Day Cricket

# ACADEMIC RESULT

## 2013 - 17 Batch Result Analysis



## List of Campus Selects 2016-17 Batch (ECE)





**FACULTY (2016-17)**



**IV/IV ECE-A (2013-2017 BATCH)**



**IV/IV ECE-B (2013-2017 BATCH)**



## VISION OF THE DEPARTMENT

To become a centre of excellence in Education, research and produce high quality engineers in the field of Electronics and Communication Engineering to face the challenges of future technological changes.

## MISSION OF THE DEPARTMENT

To achieve vision department will

Transform students into valuable resources for industry and society by imparting contemporary technical education.

Develop interpersonal skills and leadership qualities among students by creating an ambience of academic integrity to participate in various professional activities

Create a suitable academic environment to promote research attitude among students.

## PROGRAM EDUCATIONAL OBJECTIVES (PEO'S):

PEO1: Graduates excel in their career in the domains of Electronics, Communication and Information Technology

PEO2: Graduates will practice professional ethics and excel in professional career through interpersonal skills and leadership qualities

PEO3: Graduates demonstrate passion for competence in higher education, research and participate in various professional activities

## PROGRAM OUTCOMES (PO'S):

Engineering Graduates will be able to:

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.

#### PROGRAM SPECIFIC OUTCOMES (PSO'S):

PSO1: Implement Signal & Image Processing techniques using modern tools.

PSO2: Design and analyze Communication systems using emerging techniques.

PSO3: Solve real time problems with expertise in Embedded Systems.

### STUDENTS FEEDBACK



**AJAY KUMAR BEESETTI [2009-13  
BATCH]**

**Hardware Systems Integration Engineer**  
Industrial Solutions Division



**Intel Corporation, Germany**

Email: [ajay.kumar.beesetti@intel.com](mailto:ajay.kumar.beesetti@intel.com)

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<https://www.linkedin.com/in/ajaykumarbeesetti/>

I have done my B.E in Electronics & Communications Engineering (2013), ANITS (India) followed by M.S in Electronics Engineering (2015), TU Munich (Germany) and at present working as Hardware System Integration Engineer, Intel Corporation (Germany). I always wanted to pursue higher studies in abroad post my bachelor's degree.

I gave my GRE and IELTS exams during my 4th year, 1st semester of Bachelors at ANITS and started applying for universities in the same period (around November) for Winter intake. Technical Universities (TU's) in Germany attracted me because they are one of the finest & toughest universities to get into and as they are govt funded universities, most of the TU's offers master's programs at cost free. I opted for Communications Electronics.

In Germany, students can work 20hrs/week along with studies in their study period. During my second semester of my Master's Program, I joined in Intel Mobile Communications as a Working Student - SW Automation Development Engineer in 2014, working on Java, Python and C#. Managing both my studies and work was bit difficult initially, and I got used to it with time. I did my Master Thesis in 2015 developing an Automation Test Frame Work for conformance of Operator approvals (i.e. AT&T, Telekom, Vodafone , Orange Networks etc..) across the globe for various Intel Modem Chipset(Mobile platform). I started my full-time job role as a Design Application Engineer in Sep 2015. I worked with several Front-end CAD Tools / Flows (Logic design, Synthesis, DV or DFT); Back-end CAD Tools / Flows: PNR, STA Custom design/analysis, physical verification and extraction).

The skills and abilities required to become successful in my job are knowing the basics of High Speed Electronics, Analog & Mixed Signal Design, High level System design, Basic Electronic Circuit design, Project Management skills having the ability to innovate both individually and on a team, consistently being patient, and having strong communication skills. The latter, I believe, is most important because one can be an astounding engineer, but to be unable to explain the details of one's design can leave lasting effects on one's career.

As a pitch specifically for ECE, you can get jobs in a large array of computer fields with an ECE degree. You can really spin your studies in your last two years to better fit the different jobs.



**AZHAR SHEIK [2008-12 BATCH]  
SENIOR SILICON DESIGN ENGINEER  
ADVANCED MICRO DEVICES, INC.**



AMERICAN MULTINATIONAL SEMICONDUCTOR  
COMPANY

*Linkedin:* <https://www.linkedin.com/in/azhar-sheik-023aa0a2/>

I have done my B.E in Electronics & Communications Engineering [2008-12], ANITS followed by M.Tech in VLSI Design [2012-15], Andhra University and at present working as Sr. Silicon Design Engineer, AMD. Being interested in Core, soon after my M.Tech, I have done Internship on “Training on Hardware Design & Verification” for 6 Months, later appointed as System Engineer in INFOSYS followed by Level-III Engineer and promoted as Senior Design Verification Engineer at SONDREL Ltd

and at present working as Sr. Silicon Design Engineer, AMD.

Thinking of ANITS even today it gives me immense pleasure being Member of ACES, my involvement in organizing various events mainly TACHYON. During my B.E, I participated in “ROBO SAPIENS” workshop at NIT Warangal which made me to get more interested in Core and that is the moment decided me to work in Core Sector. Finally, now working in AMD.

Three main areas in IT Core sector are Networking, VLSI & Embedded. Coming to VLSI, there are various platforms like RTL Design, Verification, Physical Design both in Digital and Analog. The market is more for Digital compared to Analog. In Digital, the main Market is in Digital Verification [DV] & Physical Design [PD]. A DV engineer deals with verification of design, focus areas are IP level verification, subsystem and SOC level verification. A Physical Design Engineer builds circuit layouts for processors and controller architectures. They design circuits, optimize circuit output, and resolve issues.

With this I suggest my juniors interested in VLSI field to be prepared with Digital Logic Design in orientation of Digital Concepts and VHDL for programming. Mainly concentrate on VERILOG [C]& SYSTEM VERILOG [OOPS Concepts] to have a shining Career in VLSI Core Sector.

**There is one online EDA tool for compiling and simulating your design.**

<https://www.edaplayground.com/>

**More About VLSI Domains -**

<https://technobyte.org/vlsi-career-vlsi-engineer/>

**VLSI Companies list –**

<http://verificationexcellence.in/vlsi-semiconductor-companies-list/>

If anyone is interested, please mail me

[ask18th@gmail.com](mailto:ask18th@gmail.com) or call me -8919465230.

I can route you to online free courses in Verilog, VHDL, System Verilog & UVM.

## PARENT FEEDBACK



**P. Annapurna**  
**Mother of P. V. Yeswanth (2008-12 Alumni)**

10-3-2012

It gives me immense pleasure to share my views about ECE department, ANITS. Knowledgeable faculty, well equipped laboratories, Tachyon magazine, Tech fests, Seminars, miniproject, Project had given a great environment to manifest the abilities of my son technically.

Ability of teachers to go to the level of the student to know their thoughts and to encourage them had given the chance to my son for bringing the creativity and to use it for welfare of nation.

I would like to thank department of ECE, and ANITS management from bottom of my heart for the sincere efforts of providing an environment which helped my son to increase his strength of mind, to expand his intellect, to form a strong character and to make him stand on his own feet.

I am proud he is an Anitian and he will be Anitian where ever he might be in future, as you made him to remember you forever

Regards  
P. ANNAPURNA  
Mother of P.V. YESWANTH