



ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES

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

Sangivalasa-531162, Bheemunipatnam Mandal, Visakhapatnam Dt.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DEPARTMENT QUARTERLY NEWS LETTER

[DECEMBER 2016 - FEBRUARY 2017]



A 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. DrChakravarthy 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 RangaRao, 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.



A National Level Quiz competition EXPLORE 2K17

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.RajaRajeswari, ECE inaugurated the event.



2K17A 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 were organized.



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.



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 23rd and 24th February 2017.



Swadesh-Summit

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

MEMORANDUM OF UNDERSTANDING (MOU)

- The Memorandum of Understanding (MOU) is executed between Efftronics Systems Pvt. Ltd. , situated at Brundavan Colony, Vijayawada-520012 and Department of ECE, Anil Neerukonda Institute of Technology & Sciences, Affiliated to Andhra University and Accredited by NBA, Sangivalasa-531162, BheemunipatnamMandal, Visakhapatnam , effective from February 2017 for three years.

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.SashibhushanaRao,ECE,AUCE from Andhra University in January 2017.

- DAC Meeting is held on 20-2-17 at 10:30 AM in DSP Lab of ECE Dept., with agenda as review of autonomous syllabus for 3rd year Autonomous Sem-I & II.

Faculty Special Achievements

- Dr.V.Rajyalakshmi,Assoc.Prof., appointed as a HOD with effective from 8th 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)
- 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.SashibhushanaRao,ECE,AUCE from Andhra University in January 2017.
- 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 & VNR VignanaJyothi 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 13th February 2017.

FACULTY PAPER PUBLICATIONS IN CONFERENCE

- Dr.V.Rajyalakshmi, Assoc., Prof.,HOD, 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 PratyushaEngg College Hyderabad during 27th to 28th February 2017.
- Dr.V.Rajyalakshmi, Assoc., Prof.,HOD, ECE has presented a paper on "**Design and analysis of crescent shape textile antenna for WLAN applications**" in 7th IEEE International Advance Computing Conference (IACC-2017) organized by IEEE Computer Society Chapter of India Council & VNR VignanaJyothi Institute of Engineering and Technology, Hyderabad during 5th to 7th January 2017.
- Dr.V.Rajyalakshmi, Assoc., Prof.,HOD, 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 5th to 7th 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 Electronics, Electromagnetics and Telecommunications ICMEET-2016 organized by Raghu Educational Society, Visakhapatnam during 5th to 7th January 2017.

FACULTY AND STUDENT JOINT PUBLICATIONS

- S.KavyaKumari, B.Mamatha, B.V.Rao and S.BalaramaMurthy, “Design Optimization of Radar Absorbing Materials using Particle Swarm Optimization”, IJAMC, IGI Global, Vol.4, Issue 8, 2017.

WORKSHOP’s/ SEMINAR’s/ FDP’s ATTENDED BY FACULTY

- 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 13th to 17th February 2017.

STUDENT ACHIEVEMENTS

- Ms.V.SriKavya IV/IV ECE got **Dr. B R Ambedkar Merit Scholarship of RINL-Visakhapatnam** Steel Plant in February 2017.

PAPERS PRESENTED BY STUDENTS

1. 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 27th to 28th February 2017.
2. 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 27th to 28th February 2017.
3. 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 27th to 28th February 2017.

4. 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 10th to 11th February 2017.

WORKSHOP’s ATTENDED BY STUDENTS

1. Mr.A.Gowtham Reddy, Ms.D.Bhargavi and Ms.PoojaLatha Reddy III/IV ECE-A have attended a workshop on “TI MSP432” in SHAASTRA 2017 organized by IIT Madras on 3rd January 2017.
2. 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 3rd January 2017.
3. Mr.Ch.K.Chaitanya and Ms.D.G.N.Deepika III/IV ECE-A have attended a workshop on “Techtrunk-Digital Water Marking” in SHAASTRA 2017 organized by IIT Madras on 3rd January 2017.
4. Ms.Praveena, Ms.Gayatri Lakshmi Raghava, Mr.KSVPSanthosh Kumar and Mr.P.Koushik III/IV ECE-B have attended a workshop on “Paired Robotics” in SHAASTRA 2017 organized by IIT Madras on 2nd January 2017.
5. 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 2nd January 2017.
6. Ms.A.Drakshayani, Ms.Y.Sruthi III/IV ECE-C and Ms.B.Bhavana, Mr.D.Sandeep, Mr.AVNMadhusudhan, Mr.B.SrikanthChowdary, Mr.D.V.SubramanyeswaraRao, Mr.E.GaneshAshrith, Mr.GSNVSandeep, Mr.G.RaviTeja, 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 2nd January 2017.
7. Mr.V.Premchand, Mr.T.Raja, Mr.V.Dinesh and Mr.V.RaviTeja III/IV ECE-C have attended a workshop on “Object Tracking Bot” in SHAASTRA 2017 organized by IIT Madras on 2nd January 2017.
 8. Ms.A.Drakshayani, Ms.V.SaiSraavanthi, 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 2nd January 2017.
 9. 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 10th to 11th February 2017.

HARDWARE MODULES PRESENTED BY STUDENTS

1. Mr.S.Anil Kumar, Mr.AbdhulKhadarJilani, Ms.P.Bhagya Lakshmi, Ms.G.T.Sudha Rani and Ms.B.Sravani of III/IV ECE-C won 1st 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 27th to 28th February 2017.
2. Ms.V.Niharika III/IV ECE-C won 3rd 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 27th to 28th February 2017.
3. 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 27th to 28th February 2017.
4. Mr.P.Narendra Kumar II/IV ECE and Mr.M.SaiKumaran 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, GMGIT, Rajam during 27th to 29th January 2017.

EXTRACURRICULAR ACTIVITIES BY STUDENTS

1. 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 27th to 28th February 2017.
2. 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 27th to 28th February 2017.
3. Mr.T.MohanSai 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 5th -6th January 2017.
4. 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.ChaitanyaSai, Mr.N.ManishBabu, Mr.N.N.Naveen, Mr.N.ManojKalyan, Ms.N.Divya, Mr.M.SaiBabu, Ms.M.G.S.Rajitha, Mr.M.HariVamsi, Mr.M.SajidaTej, Ms.M.Haritha, Ms.M.VenkataLavanya, Mr.M.Vikash, Ms.MVL.PadmaPriya, Ms.M.ManasaRoja, Mr.M.SaiPavan 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.TDVGayatri, 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 5th January 2017.
5. 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’S GOT TALENT(AEROFEST)” in SHAASTRA 2017 organized by IIT Madras on 3rd January 2017.
 6. Ms.A.Drakshayani, Ms.V.SaiSravanthi, Mr.Y.Sai Kumar and Ms.Y.Sruthi III/IV ECE-C have attended a event “ELECKART” in SHAASTRA 2017 organized by IIT Madras on 1st January 2017.
 7. Mr.Y.Sai Kumar III/IV ECE-C have attended a event “Arduino Programming challenge” in SHAASTRA 2017 organized by IIT Madras on 1st January 2017.
 8. Mr.K.DharmaTeja 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 21st Dec to 22nd Dec 2016.
 9. Ms.D.Sowjanya III/IV ECE **selected for south zone inter university competitions** which will be held in Chennai in December 2016.
 10. Ms.D.Sowjanya III/IV ECE **winner in inter colligate at Visakhapatnam** municipal stadium at Visakhapatnam Port Stadium on 5th December 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 11th February 2017. In this function she addressed the gathering on a topic “Yoga for Holistic Health & Well Being.”

SPORTS CLUB

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

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 th year and IIIrd 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 26th December 2016.

GREEN CLUB

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