



# 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

[MARCH 2017 - MAY 2017]

## 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.



**BOS Meeting** is held on 25-3-17 at 10:30 AM in DSP Lab of ECE Dept., with agenda as review of autonomous syllabus for 3<sup>rd</sup> year Autonomous Sem-I & II.

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



Over all Championship from Boys & Girls in both Categories

## FACULTY ACHIEVEMENTS

Mr.D.EswaraChaitanya, Asst. Prof., ECE was awarded PhD for his thesis on “**Algorithms for localization of near and far radiating sources over the Indian Airspace**” under the guidance of Prof.G.SashibhushanaRao, ECE, AUCE from Andhra University in May 2017.

## Faculty Special Achievements

- 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.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 IEI 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, Wahnaghat, 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 12<sup>th</sup> – 13<sup>th</sup> April 2017 at Sri ChandrasekharendraSaraswathiViswaMahavidyalaya, (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.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.BhaskaraRao, 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**

- Mr.J.BhaskaraRao, 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 24<sup>th</sup> -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, Vignana's IIT, Visakhapatnam during April 14<sup>th</sup> to April 15<sup>th</sup> 2017.

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

- S.KavyaKumari, B.Mamatha, B.V.Rao and S.BalaramaMurty, “Design Optimization of Radar Absorbing Materials using Particle Swarm Optimization”, IJAMC, IGI Global, Vol.4, Issue 8, 2017
- Vukkem Sri Harsha, S. BalaramaMurty, Taniya Jain and Ram NishanthVanka, “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

#### **WORKSHOP’S/ SEMINAR’S/ FDP’S ATTENDED BY FACULTY**

- Mr.S.BalaramaMurty, 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), Visakhapatnam during 27<sup>th</sup> -28<sup>th</sup> March 2017.
- Mr.Vijay Kumar Sahu, AsstProf,ECE have attended 16th One Week Short Term Training Program on “Advanced Engineering Optimization through Intelligent Techniques” organized by NIT Surat, Gujarat from 27th to 31st March 2017.
- Ms.Ch.AnooshaAsstProf,ECE, Ms.M.Syamala, AsstProf,ECE and Mr.A.Siva Kumar AsstProf,ECE have attended a two day workshop on “Graphical System Designing using LabView” Organized by Dept. of ECE, AUCOE, AU, Visakhapatnam from 30th to 31st March 2017.
- Mr.B.KiranPatrudu,AsstProf,ECE, Mr.D.Sampath Kumar, AsstProf,ECE and Mr.B.Ravi Kumar, AsstProf,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, AsstProf,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, AsstProf,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.

## 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 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.
2. 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 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.**
3. 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 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.
4. 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.
5. 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.

6. 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.

#### **EXTRACURRICULAR ACTIVITIES BY STUDENTS**

1. Ms.P.Yogitha II/IV ECE presented a formal poster at the ISDC Space Settlement Student Contest Poster Session in 36<sup>th</sup> International Space Development Conference (ISDC-2017) organized by National Space Society (NSS), Washington, DC held at St Louis, Missouri from 25<sup>th</sup> May to 29<sup>th</sup> May 2017.
2. 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.
3. 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.

#### **CLUB ACTIVITIES YOGA CLUB**

M.Sindusha student of III/IV ECE-B is selected for “All India Inter University Y o g a C h a m p i o n s h i p ” a n d participated in the same organized at Kurushetra University, Haryana on 15<sup>th</sup> March 2017.

#### **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.

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