



ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES

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

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DEPARTMENT QUARTERLY NEWS LETTER

[JUNE 2017 - AUGUST 2017]



INDUSTRY INSTITUTE INTERACTION

With an intention to build up a relation between the Institute and Industry to reduce the gaps in the curriculum & promote research opportunities in the department, Mr.Srinivas, General Manager (R&D), M/s **Avantel Pvt. Ltd** visited the department and interaction session is arranged with the ECE faculty from Antenna & Microwave research group on 13.07.2017. The members of the group, had presented their work which then followed by technical discussions regarding its pros and cons. He showed interest in the project **WEARABLE ANTENNA**, while giving the significance of it in the Mining areas which was guided by Dr. V. Rajya Lakshmi, HOD ECE. Dr. K.S. RangaRao, Group Chairman & Dr. V. Rajya Lakshmi Head of the Department, discussed about the possibility of taking up a project proposal together.

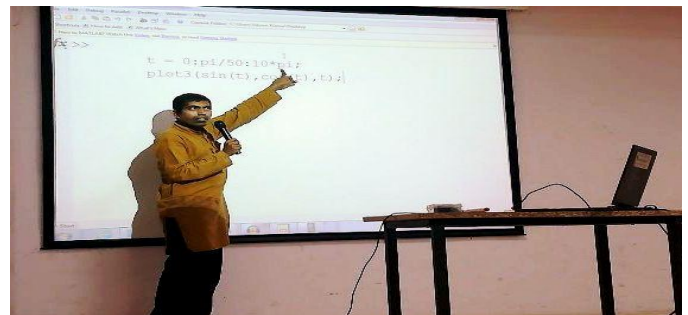
Mr.S.Srinivas, Asst.Prof and Mr.P.DeviPradeep Asst.Prof ECE have trained the Avantel staff on the topics “**VHDL Modeling**” and “**Verilog Modeling**” at M/S Avantel Limited, Visakhapatnam from 6th November to 12th December 2017.



A ONE DAY WORKSHOP ON PCB DESIGNING

A one-day workshop on “**PCB Designing**” was organized by Tinkerer’s Lab of Department of ECE in association with Matchwell Technology Solutions (MTS), Visakhapatnam on 29th July 2017 for 2nd Year

and 3rd Year students of the ECE department. The workshop is inaugurated by Dr. V.Rajya Lakshmi, Professor & HOD, ECE, organized in 4 sessions (8hours). During the workshop Mr.AbdulMuqtadir, covered Introduction to Embedded Systems & its scope, Types of PCBs THT & SMT, Testing on Simulation, Single Side/Dual Side PCBs Designing Method, Soldering, Testing on Hardware. Participation certificates were given to all the participants and merit prize was awarded to Mr. P.Nikhilkumar of II/IV ECE-A. The workshop is coordinated by Mr. N.Srinivasa Naidu, Asst.Professor, Dept. of ECE.



ONE DAY WORKSHOP ON "APPLICATIONS OF MATLAB AND MATHEMATICAL MAGIC SHOW"

Mr. P. VikramKumar, specialized in Signal processing (ECE). He had over 8.5 years of experience in academics/ research/ industry. He introduced some of the signal processing applications which are useful for ECE students. He also introduced various software tools like Audacity, MATLAB etc. He also explained how to create chess board using MATLAB.

INDUSTRIAL TRAINING

INTERNSHIP -AMARAVATHI DRONES(VSP), ASTRA MICROWAVE(HYD), DRDO(HYD), ECIL(HYD), HAL(BANGALORE), DRDL(HYD), MEDHA SERVO(HYD).

HARDWARE-HAL(ODISHA), NGC(GUJARAT), BHEL(VSP), ALL INDIA RADIO(VSP), BSNL(VSP,RJY,ONGOLE & ODISHA), AIRPORT(VSP,CHENNAI), SHIPYARD(VSP), STEEL PLANT(VSP), HPCL(VSP), RAILWAYS(VJY,VSKP), NTPC(VSP), APEPDCL(VSP).

SOFTWARE - MAHINDRA AUTOMOTIVE(VSP), SHAMITHI S/W(RJY), COIGN, INTERSHALA,

NIIT(VSP), HANU INFOTECH(HYD), PACE S/W INSTITUTE (KAKINADA), E-LOGIS.



ALLUMNI STUDENT INTERACTION

Mr.Vedvyas (2009-2013) alumni of Dept. of ECE presently he is working as an HR Executive at Tata Consultancy Services, Tata Consultancy Services, Bengaluru, Karnataka, India. He interacted with the final year students in AC Auditorium regarding Placements, Interview process, HR and group discussion rounds and also discussed about the continuous learning and attitude towards learning on 04.07.2017.




FACULTY SEMINAR

- Dr.K.S.RangaRao, Prof., ECE delivered a lecture on **“Applications of RCS to Stealth”** as a part of faculty Seminars in seminar hall, Dept of ECE on 01.07.2017.
- Mr.R.SunadarAsst.,Prof., ECE delivered a lecture on **“Turbo Codes”** as a part of faculty Seminars in seminar hall, Dept of ECE on 08.07.2017.
- Dr.D.EswarChaitanya, Asst.,Prof., ECE delivered a lecture on **“A Survey of the applications of Multilateration”** as a part of faculty Seminars in seminar hall, Dept of ECE on 15.07.2017.
- Mr.R.ChandraSekhar, Asst.Prof, ECE delivered a lecture on **“Introduction to Cognitive Radio Networks”** as a part of faculty Seminars in seminar hall, Dept of ECE on 05.08.2017.
- Mr.S.Balaramamurthy, Assoc.Prof., ECE delivered a lecture on **“Optical Networks”** as a part of faculty Seminars in seminar hall, Dept of ECE on 12.08.2017.

- Mr.N.Srinivas Naidu, Asst.Prof, ECE delivered a lecture on **“Energy Harvesting:Design for Internet Of Things”** as a part of faculty Seminars in seminar hall, Dept of ECE on 19.08.2017.
- Dr.B.Somasekhar, Assoc.Prof., ECE delivered a lecture on **“Research Methodologies”** as a part of faculty Seminars in seminar hall, Dept of ECE on 26.08.2017.

FACULTY ACHIEVEMENTS

- Ms.P.ChayaDeviAsst.Prof., ECE has received **Prof.K.V.AppaRao Memorial Prize** for her excellence academic performance (2013-2014) in Post Graduation (M.Tech) from Andhra University in 83rd & 84th Combined Convocation on 12th August 2017. 
- Mr.J.Bhaskar, Asst.Prof., ECE selected as the **National Advisory Member** of International Conference On Internet of things for future smart cities (ICIOTSC-17) which will be held on 21st to 22nd July 2017 at Geethanjali institute of science and technology, Nellore in collaboration with Institute for Engineering Research and Publication (IFERP).
- Mr.J.Bhaskar, Asst.Prof., ECE appointed as a **Reviewer** of a manuscript in Indian journal of Electrical and Computer Engineering (IJECE) in June 2017.

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

- Mr.R.Ravi Kumar, Asst.Prof., ECE attended the two day national level awareness programme on **“Establishing Incubation- Innovation centre”** organized by the Incubation Centre , JNTU Kakinada 15th -16th June 2017.
- Dr.V.Rajyalakshmi, HOD,ECE attended one day workshop on **“Empowering Teaching Excellence Through E-Learning Platforms”** organized by JNTU Kakinada at JNTU Kakinada on 08.07.2017.
- Mr.A.Siva Kumar, Asst.Prof., ECE attended one day **Faculty Knowledge Program** organized by IBS, ICFAI Business School, Visakhapatnam on 22nd July 2017.
- Mr.P.DeviPradeepAsst.Prof., ECE attended two day workshop on **“Knowledge Pursuit in Electronics Research and Academics (KPERA)”** organized by the Electronics and ICT Academy, Department of Electronics and Communication Engineering, NIT Warangal during 30th to 31st July 2017.

FACULTY PAPER PUBLICATIONS IN JOURNAL

- Ms.D.Nagamani, Asst.Prof, and Ms.Ch.Anoosha, Asst.Prof., ECE has published a paper titled **“Dual-**

Channel Noise Power Spectral Density Estimation by Using Complex Coherence Method” in an International Journal of Engineering and management Research (IJEMR), Volume 7, Issue:3, ISSN:2250-0758(online),2394-6962(print), PP: 455-459 in June 2017.

- Dr.K.S.RangaRao, Prof.,ECE have published a paper titled “ISAR imaging of maneuvering targets based on new algorithm Modified Fast chirp Fourier transform” in an International Journal of Engineering and Technology (IJET), Vol-9, No-3, ISSN (Print) : 2319-8613 ISSN (Online) : 0975-4024, pp.2310-2319 in Jun-July 2017.
- Dr.K.S.RangaRao, Prof., ECE have published a paper titled “Implementation of wideband Radar to ISAR imaging using Modified Fast Chirp Fourier Transform” in an International Journal of Science and Technology, Vol-2, Issue-7, ISSN: 2456 - 5660, pp.7-16 in July 2017.

FACULTY PAPER PRESENTATIONS IN CONFERENCE

- Mr.R.ChandraSekhar, Asst.Prof, ECE has presented a paper on “Cooperative Spectrum Sensing in Cognitive Radio Networks using Fuzzy Logic” in a 6th International conference on Innovations in Electronica and Communication Engineering (ICIECE-2017) organized by Guru Nanak Institutions Technical Campus and Guru Nanak Institute of Technology, rangareddy, Telangana during 21st -22nd July 2017.
- Dr.B.Somasekhar, Assoc.Prof., ECE has presented a paper on “ICI Cancellation in SFBC MIMO-OFDM with carrier frequency / Timing offset over Rayleigh fading channel” in an International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS) organized by SKR Engineering College, Poonamallee, Tamil Nadu during 1st -2nd August 2017.
- Dr.B.Somasekhar, Assoc.Prof., ECE has presented a paper on “A Study on PAPR Reduction and Channel Estimation in MIMO-OFDM system Using Wavelet Transform ” in an International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS) organized by SKR Engineering College, Poonamallee, Tamil Nadu during 1st -2nd August 2017.

STUDENT SPECIAL ACHIEVEMENTS

- Mr.GASJatinSai Ram III/IV ECE-A (315126512001) got **student**



appreciation certificate for maintaining 100% class attendance in 2016-17 academic year.

- Ms.B.Bhargavi IV/IV ECE has undergone a training on the topic “Analog & Digital Sensors- Actuators Interface with Microcontroller” under the guidance of ShriJatin Kumar Janshali, Sc’D’ in Ministry of defence, Defence Research & Development Organization, Ahamednagar during 1st to 30th June 2017.
- Mr.M.HariVamsi III/IV ECE-B has undergone **Internship training** at Visakhapatnam Steel Plant in **Telecommunications** during 22nd May to 3rd June 2017.

WORKSHOP’S/ SEMINAR’S/EVENT’S ATTENDED BY STUDENTS

- Ms.N.Sravanthi and Ms.M.Preethi of IV/IV ECE-B have attended “A Three day Hand-on workshop on Design and Analysis of Antenna using HFSS (WAAH-17)” organized by Department of Electronics and Communication Engineering, MVGR College of Engineering (A) in collaboration with Entuple Technologies, Bengaluru at MVGR College, Vizianagaram during 20th to 22nd July 2017.
- 2 third years and 66 second years students of ECE have attended one day workshop on “PCB DESIGN” organized by Dept. of ECE ANITS in association with Matchwell Technology Solutions, Visakhapatnam held at ANITS, Sangivalasa on 29th July 2017.

CLUB ACTIVITIES



WALL MAGAZINE CLUB

The wall magazine notice board has been re-inaugurated by Prof. K.S.RangaRao in presence of HOD, Staff and students on 15th July 2017, and an article on "Laser Technology" was posted on to the notice board and conducted article writing competition on Plastic free world.



GREEN CLUB

The department of ECE has organized an event “**Eco Ganesha with medicinal seeds**” on 21.08.2017 on the eve of Ganesh Chaturdi. In this event “**PARYAVARANA MARGARSI VAISAKHI**” people had demonstrated the importance of clay Ganesha idol instead of Plast of Paris idol and how to prepare clay Ganesha idol with medicinal seeds in it so, that after nimarjan plants grow from it. 135 students and 35 faculty are actively participated in this events and 100 idols are prepared along with the paper bags.

SPORTS AND YOGA CLUB



DEPARTMENT CRICKET TEAM WON FOR FOURTH TIME

Cricket Championship of College as a part of Annual Day Competitions is again won by the ECE Department for fourth time since last four years.