



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 2018 - MAY 2018]



DEPARTMENT ADVISORY COMMITTEE MEETING

Department Advisory Committee meeting was held on 24.03.2018 at 9.30 AM in the DSP lab with the agenda Result analysis (Both Autonomous and Non Autonomous), Review of Autonomous syllabus(4th year semester-I & II)& Model curriculum proposed by AICTE with the following members Dr.V.Rajya Lakshmi (HOD, ECE, ANITS), Dr.K.ChandraBhushanaRao(Prof. & Head, Dept of ECE, JNTUK-University College of Engineering Vizianagaram), Prof.P.RamakrishnaRao(Advisor, ANITS), Prof.K.Murali Krishna(Professor, ECE), Associate Professors of ECE & Group Coordinators.



BOARD OF STUDIES MEETING

4th Board of Studies meeting was held on 28.04.2018 at 10.30 AM in the DSP lab with the agenda Review of Autonomous syllabus(4th year semester-I & II)& Model curriculum proposed by AICTE with the following members Dr.V.Rajya Lakshmi (Chairman, BOS, ECE, ANITS), Dr.ShankarPrakriya (Prof., IIT-Delhi) as Special Invitee, Prof. N.V.S.N. Sharma(Prof., ECE NITW) as University Nominee, Prof.P.RamakrishnaRao(Advisor, ANITS) as Academic Council Nominee, Mr.N.Srinivas (Avantel VSKP) as Industry Person, Mr.M.Durga Prasad(JTO,BSNL) as Alumni, Prof.K.Murali Krishna(Professor, ECE) as member, Dr.K.S.RangaRao(Professor, ECE) as member, Associate Professors of ECE & Group Coordinators as members.



FACULTY SEMINAR


- Mr.Sahu Vijay Kumar, Asst.,Prof., ECE delivered a lecture on “**Multi Attribute Decision Making Methods**” as a part of faculty Seminars in seminar hall, Dept of ECE on 10.03.2018.
- Mr.V.Vijay Kumar Raju, Asst.,Prof., ECE delivered a lecture on “**Blood Vessel Segmentation From Retinal Images**” as a part of faculty Seminars in seminar hall, Dept of ECE on 17.03.2018.
- Mr.B.KiranPatrudu, Asst.,Prof., ECE delivered a lecture on “**Introduction to Python**” as a part of faculty Seminars in seminar hall, Dept of ECE on 17.03.2018.
- Ms.Ch.Anoosha, Asst.,Prof., ECE delivered a lecture on “**Visible Light Communication**” as a part of faculty Seminars in seminar hall, Dept of ECE on 31.03.2018.
- Ms.D.Nagamani, Asst.,Prof., ECE delivered a lecture on “**Image enhancement of SAR Image**” as a part of faculty Seminars in seminar hall, Dept of ECE on 31.03.2018.

- Ms.M.Syamala, Asst.,Prof., ECE delivered a lecture on **“Antennas in Bio-Medical Applications”** as a part of faculty Seminars in seminar hall, Dept of ECE on 21.04.2018.
- Ms.K.Yasoda, Asst.,Prof., ECE delivered a lecture on **“Introduction to FINFET”** as a part of faculty Seminars in seminar hall, Dept of ECE on 21.04.2018.
- Ms.V.Shireesha, Asst.,Prof., ECE delivered a lecture on **“Smart Dust”** as a part of faculty Seminars in seminar hall, Dept of ECE on 28.04.2018.
- Mr.B.Ravi Kumar, Asst.,Prof., ECE delivered a lecture on **“Wireless interconnect between IOT over PCB board”** as a part of faculty Seminars in seminar hall, Dept of ECE on 28.04.2018.

FACULTY ACHIEVEMENTS

- Dr.K.Murali Krishna, Prof., Dept.of ECE., recognized as an **outstanding reviewer by Elsevier pattern recognition letters** in March 2018. 
- Dr. B.Somasekhar Associate Prof., ECE has Published a book titled **“Investigation on PAPR Reduction & Interference Mitigation in MIMO-OFDM”** in LAP LAMBERT Academic Publishing in May 2018. 
- Mr.S.Srinivas, Asst. Prof., ECE was awarded PhD for his thesis on **“Fast and Cost effective Computer Aided Design Methodologies for 3D IC Design”** from Indian Institute of Technology, Hyderabad in May 2018. 
- Mr.J.Bhaskar, Asst.Prof., ECE selected as the **Technical Program Committee** for The International Conference on Computational Materials Science and Thermodynamic Systems (CMST 2019) in April 10, 2018.

NPTELCERTIFICATION COURSE

- MrD.AnilPrasadAsst.Prof., ECECompleted **NPTEL online Certification course** in Outcome Based Pedagogic principles for effective teaching with a consolidated score of 90% **(ELITE+GOLD) from IIT Bombay** in the duration Feb-March 2018(4weeks). 
- MrN.RamkumarAsst.Prof.,ECECompleted **NPTEL online Certification course** in Outcome Based Pedagogic principles for effective teaching with a

consolidated score of 58% **from IIT Bombay** in the duration Feb-March 2018(4weeks).

- MrP.DeviPradeepAsst.Prof.,ECECompleted **NPTEL online Certification course** in Outcome Based Pedagogic principles for effective teaching with a consolidated score of 62% **from IIT Bombay** in the duration Feb-March 2018(4weeks).
- Mr.R.ChandraSekharAsst.Prof.,ECECompleted **NPTEL online Certification course** in Outcome Based Pedagogic principles for effective teaching with a consolidated score of 61% **from IIT Bombay** in the duration Feb-March 2018(4weeks).
- MrP.DeviPradeepAsst.Prof.,ECECompleted **NPTEL online Certification course** in Basic Electronics with a consolidated score of 78% **from IIT Bombay** in the duration Jan-April 2018(12weeks).
- Mr.R.ChandraSekharAsst.Prof., ECE **Completed NPTEL online Certification course** in An Introduction to Coding Theory with a consolidated score of 54% **from IIT Bombay** in the duration Feb-March 2018(4weeks)

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

- Ms.M.Nirmala, Ms.Ch.Anoosha, Ms.G.Gayatri, Ms.P.Devi, Mr.P.DeviPradeep and Mr.R.ChandraSekhar, asst.Prof., ECE have attended one day workshop on **“Work Life Balance”** organized by ANITS, Sangivalasa on 24th march 2018.
- Mr.D.Anil Prasad, Asst.Prof., Dept. of ECE has attended One faculty development program on **“Recent trends in IC design and Applications”** organized by Dept. of ECE, E& ICT, NIT, Warangal during 16th -21st April 2018.
- Mr.V.Vijay Kumar Raju, Asst.,Prof., ECE has attended One week National Level Faculty Development Program on **“Evolutionary and Nature Inspired Meta-Heuristic Algorithm for Engineering Applications”** organized byDept. of ECE, Shri Vishnu Engineering College for Women(A), Bheemavaram during 13th -17th April 2018.
- Dr.B.Somasekhar, Mr.S.Balarama Murthy, Ms. V.Shireesha, Ms.Ch.Padmasree, Mr.A.Siva Kumar, Mr.G.V.Raviteja, Mr.S.Srinivas, asst.Prof., ECE have attended one day workshop on **“Work Life Balance”** organized by ANITS, Sangivalasa on 24th march 2018.
- Dr.K.Murali Krishna, Prof., ECE has attended A Conference leadership training cum workshop IEEE miniPOCO 2018 organized by IEEE Hyderabad Section and IEEE India Council at Visakhapatnam.

- Ms.P.Chaya Devi, Asst.Prof., ECE have attended Three day national workshop on “Cryptography and Cyber Security (WCCS-2018) organized by dept of CSE and ECE, GayatriVidyaparishad College of Engineering for Women, Visakhapatnam during 22nd -24th march 2018.

FACULTY PAPER PUBLICATIONS IN JOURNAL

- Mr.G.ViswanadhRaviteja, Asst.Prof.,ECE has published a paper titled “**Design and analysis of a novel dual trapezoidal slot-based rectangular microstrip antenna for wide area network using WiMax application**” in Wiley online library-Microwave and Optical Technology Letters, volume 60, Issue 4 pp:1057-1060, 8th March 2018.
- Mr.J.BhaskaraRaoAsst.Prof., ECE has published a paper titled “**Estimation of Surface Roughness Parameters Using Image Feature Extraction**” in international Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 03-Special Issue, 2018, Pages: 339-348, ISSN 1943-023X in March 2018.
- Mr.A.LakshmiNarayana, Asst.Prof., ECE has published a paper titled “**WDP Analysis for Mobility in Next Generation Heterogeneous Wireless Networks**” in international Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, 03-Special Issue, 2018, Pages: 349-358, ISSN 1943-023X in March 2018.
- Mr.B.Jena, Asst.Prof., ECE has published a paper titled “**An Efficient Random Valued Impulse Noise Suppression Technique Using Artificial Neural and Non-Local Mean Filter**” in International Journal of Rough Sets and Analysis, Volume 5, No:2, ISSN: 2334-4598 10.4018/IJRSDA.2018040108, April-2018.
- Dr.B. SomasekharAssoc.Prof.,ECE has published a paper titled “**Investigations on wavelet and Fourier transform based channel estimation in MIMO-OFDM system**” in International Journal of Engineering & Technology, Vol 7, No 2.Special Issue 21 Pages: 228-231, DOI: 10.14419/ijet.v7i2.21.12178 in April 2018.
- Mr.J.BhaskaraRaoAsst.Prof., and Mr.A.Siva Kumar, Asst.Prof., ECE have published a paper titled “**Interaction of Serial number on currency notes using labview**” in international journal of IUP Journal of Computer Science, volume 12, Number 2, Pages : 35-42, ISSN: 0973-9904, April 2018.
- Ms.V.ShireeshaAsst.Prof.,ECE,Ms.G.GayatriAsst.Pr of.,ECE and Ms.P.S.M.VeenaAsst.Prof.,ECE have published a paper titled “**Signal Modeling Techniques Using Ar Modeling**” in International Journal of Creative Research Thoughts (IJCRT),

Volume 6, Issue 2, Pages : 402-408, ISSN: 2320-2882, April 2018.

- Mr.G.ViswanadhRaviteja, Asst.Prof.,ECE has published a paper titled “**An X-Band based 2X1 Microstrip Antenna Array with Combined H and Dual U Slot Design Operating at 11GHz Frequency**” in international journal of Communication on Applied Electronics, volume 7, Number 15, Pages : 15-20, ISSN: 973-93-80898-58-0, April 2018.
- Mr.J.BhaskaraRao, Asst.Prof., ECE and Mr.D.Anil Prasad , Asst.Prof., ECE have published a paper titled “**Effect of PAPR reduction techniques on BER Performance of OFDM System**” International Journal of Modern Trends in Engineering and Research (IJMTER), Volume 5, Issue 4, Pages : 235-243, ISSN (Online):2349-9745 ; ISSN (Print):2393-8161, May 2018.
- Dr.V.Rajyalakshmi, HOD,ECE has published a paper titled “**Specific absorption rate reduction using EBG Structure as superstrate for textiles antenna**” in International Research journal ARPN Journal of Engineering and Applied sciences, Volume 13,Number 10, Pages : 3495-3501, ISSN: 1819-6608, May 2018.
- Mr.B.Jeena, Asst.Prof., has presented a paper titled “**The Opportunities, Challenges and Quality Assessment of Data in Big Data Age**” in an International Journal of Advanced in Management, Technology and Engineering Sciences (IJAMTES), volume 8, Issue 3, pages:251-258, ISSN NO : 2249-7455, March 2018.

FACULTY PAPER PRESENTATIONS IN CONFERENCE

- Dr.K.S.Rangarao, Prof., ECE has presented a paper titled “**A new approach for estimating radar cross section of plasma release from Target in active stealth technology**” in 105th Indian Science Congress at Manipur University, Imphal during 16th -20th March 2018.

STUDENT SPECIAL ACHIEVEMENTS

- Mr.K.V.Lakshminarayana (2012-2016) alumni students got **State 8th rank** in ICET 2018 in May 2018.
- Mr.U.Rajeshnaidu III/IV ECE-C has won **2nd prize** in paper presentation as a part of EJIVE 2K18 in an student symposium STRIDES organized by Department of ECE, Pragati Engineering College, East Godavari on 6th March 2018.



- Mr.U.Rajeshnaidu III/IV ECE-C has won **2nd prize** in Project expo in the event EXULT in an student symposium STRIDES organized by Department of ECE, Pragati Engineering College, East Godavari on 7th March 2018.
- Mr.M.HariVamsi III/IV ECE-B has undergone **Internship training** at Visakhapatnam Steel Plant in **Telecommunications** during 22nd May to 3rd June 2017.
- Mr.N.Sandeep III/IV ECE-B has won **2nd prize** in Project expo titled “AIR TOUCH” in the event EXULT in an student symposium STRIDES organized by Department of ECE, Pragati Engineering College, East Godavari on 7th March 2018.
- Mr.N.Sandeep III/IV ECE-B has won **2nd prize** in Project expo titled “AIR TOUCH” as a part of EJIVE 2K18 in an student symposium STRIDES organized by Department of ECE, Pragati Engineering College, East Godavari on 6th March 2018.
- Mr.M.Vamsi III/IV ECE-B has won **1st prize** in **HARDWARE EXPO ZONE** as a part of E-SAYOGA 2K18 in a two day National Level Technical and Cultural Symposium EKATHRA organized by GayatriVidyaParishad College of Engineering, Madhurawada , Visakhapatnam on 8th March 2018.
- Mr.T.RajPreetham and Mr.T.AravindVarma III/IV ECE-C have won **2nd prize** in in project expo in a national level technical, Sports and Cultural fest Chaitanyam 2018 organized by Chaitanya Engineering College, Visakhapatnam during 14th 15th March 2018.
- Ms.M.Raasi and M.Jayalkshmi III/IV ECE-C has participated in ELECKART event in the ECENTRA-2K18 organized by Department of ECE, JNTU Vizianagaram during 7th -8th March 2018.
- Mr.U.Rajesh Naidu III/IV ECE-C has participated in paper presentation in the event EXULT in an student symposium STRIDES organized by Department of ECE, Pragati Engineering College, East Godavari on 7th March 2018.
- Mr.U.Rajesh Naidu III/IV ECE-C has participated in Technical Quiz in the event EXULT in an student symposium STRIDES organized by Department of ECE, Pragati Engineering College, East Godavari on 7th March 2018.

WORKSHOP's/ SEMINAR's/EVENT's

ATTENDED BY STUDENTS

- Ms.M.ManasaRoja and Ms.P.lakshmiYogitha III/IV ECE-B have participated in Project Expo event titled “**Smart Garbage**” in the 13th National Symposium for Women “Medha Milan-2018” organized by Shri Vishnu Engineering College for Women during 7th - 8th March 2018.
- Ms.Y.Sunanda Devi, Ms.T.anjana, Ms.K.harshitha, Ms.U.Mounika Devi and Ms.P.lakshmiYogitha III/IV ECE-C have participated in Project Expo event in the 13th National Symposium for Women “Medha Milan-2018” organized by Shri Vishnu Engineering College for Women during 7th -8th March 2018.
- Ms.U.Mounika Devi and Ms.P.lakshmiYogita III/IV ECE-C has participated in Paper presentation event in the 13th National Symposium for Women “Medha Milan-2018” organized by Shri Vishnu Engineering College for Women during 7th -8th March 2018.