

EDITORIAL BOARD

Dr.J.M.Mathana

Professor & HOD

Mr.G.Mohan

Assistant Professor

R.Akshaya

Student Member

C.P.Praveen

Student Member

Vision:

To achieve overall excellence in education by continuously upgrading the teaching learning process and incorporating latest technological advancements happening worldwide with ethical responsibilities.

Mission:

- To impart sound technical competency and quality education for students to enhance the employability and ethical values.
- To provide conducive environment for faculty and students with excellent facilities to improve research activity.

Program Educational Objectives {PEOs}

- i. Our graduate Engineers will have professional competency in Electronics and Communication Engineering with good foundation in Mathematics and basic sciences.
- ii. Our graduates will possess lifelong learning process and augment their engineering skills for new challenges with sustainability.
- iii. Our graduates will have effective communication skills and work in multidisciplinary team.
- iv. Our graduates will practice the profession with ethics, integrity, leadership and social responsibility.

Program Outcomes {POs}

- a. To apply **knowledge** of mathematics, science and engineering appropriate to ECE discipline.
- b. To formulate and analyze the complex engineering **problems** by using the principles of mathematics and engineering fundamentals.
- c. To **design and develop system** (or) process to meet the desired needs within the realistic constraints of the societal and environmental considerations.
- d. To **investigate complex problems** by conducting experiments, analyze interpret and synthesize the information to provide conclusions.
- e. To select and use appropriate **modern tools** for solving complex engineering problems.
- f. To apply **reasoning knowledge** for providing engineering solutions to societal needs with professional engineering practice.
- g. To demonstrate the knowledge of engineering for providing **environmental solutions** and **sustainable** development.
- h. To understand the **ethical principles** and professional responsibilities.
- i. To function effectively as a member (or) **a leader in multidisciplinary activity**.
- j. To deliver effective **presentations** and **communicate** at ease with the society.
- k. To be successful member (or) leader in diverse teams with enhanced **administrative skills** and **financial management**.
- l. To realize the need for **lifelong learning** and adopt themselves to technological changes.

EVENTS ORGANISED BY ECE DEPARTMENT INTERNATIONAL CONFERENCE



Two Days International conference on “**Emerging trends in Information and Communication – EMTIC’15**” presided over by **Mr.SamuelAbraham** Sr.Vice President, Polaris and key note given by **Mr.T.D.Subash,Chair-IEEE** photonics Society, Madras chapter.

SYMPOSIUM



National Level Technical symposium – **NAKSHATRA’15**, Inaugurated by **Mr.AshwinSadasiva Kumar**, Global practice Head, Virtusa

GUEST LECTURES





Guest Lecture on **“Computer Networks”** by **Mr.SasiKumar** Network Development Engineering, R & D WIPRO/Chennai on 07.08.15



Guest Lecture on **“RF and Microwave Engineering”** by **Ms.SHEELA KRISHNASWAMI**, RF Consultant, Chennai, on 15.07.15



Guest Lecture on **“OOPS and Data structures”** by **Ms.J.Vinitha** Technical System Analyst, CSS Corp pvt.ltd, Chennai on 27.08.15



Guest Lecture on **“RF and Microwave Engineering”** by **Ms.SHEELA KRISHNASWAMI**, RF Consultant, Chennai, on 15.07.15



Guest Lecture on **“Transmission and Wave lines”** by **Mr.M.RAVINDRAN**, BSNL, on 23.07.15



Guest Lecture on **“High Speed Networks”** by **Mr.SARAVANAN**, WIPRO/ Chennai, on 23.06.15



- 48 Ms R.Ashwini Asst.Prof Extending the Network Lifetime in Wireless Sensor Networks using Big Data EMTIC '15, SAEC.
- 49 Ms.K.Mekala Devi Asst Prof Effective use of mixed cell cache memory in multi core architecture EMTIC '15, SAEC.
- 50 Mr. Thirumurugan Asst Prof. Malicious detection using trust scheme in hybrid MANET DTN EMTIC '15, SAEC.
- 51 Mr.T.Bharaneedharan Asst.Prof Efficient VLSI Architecture for 2n Scaling of Signed Integer in RNS EMTIC '15, SAEC.
- 52 Ms T.S.Valarmathi Asst.Prof Enhanced multichannel I-mac scheduling protocol for hydroacoustic sensor networks EMTIC '15, SAEC
- 53 Ms Madhini Balamurali Asst Prof Wireless Control Station for Condenser evacuation system (in 210 MW Thermal Plant) Using Zig Bee and Embedded System EMTIC '15, SAEC.
- 54 Ms.M.Priscilla Asst.Prof Enhanced BNMF for Unsupervised and Semi-Supervised Speech environment EMTIC '15, SAEC.
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- 56 Ms S.K.Subha Asst.Prof Implementation Of Machine Learning Algorithm With Open Source Toolware For The Analysis Of Near Infrared Spectroscopy Data EMTIC '15, SAEC.
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- 59 Ms. T.M.Mini Priya Asst Prof Efficient VLSI Architecture for 2n Scaling of Signed Integer in RNS EMTIC '15, SAEC.
- 60 Ms B.Revathi Asst.Prof Malicious detection using trust scheme in hybrid MANET DTN EMTIC '15, SAEC.
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- 62 Ms R.Vidya Assit Prof Implementation of RSSI algorithm for navigation systems EMTIC '15, SAEC.
- 63 Ms.R. Rekha Asst.Prof Implementation of RSSI algorithm for navigation systems EMTIC '15, SAEC

International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.

- 26 Ms.M.Vanithalakshmi Asso Prof., "Enhanced BNMf for Unsupervised and Semi-Supervised Speech environment" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 27 Ms.N.Anusha Asso Prof., "Adaptive dynamic cat swarm optimization for secondary user selection in cognitive radio" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 28 Ms.S.Suvitha Asso Prof., "An Efficient Convex Optimization Technique for Device to Device Communication" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 29 Ms.R.Radhika Asso Prof., "Effective use of mixed cell cache memory in multi core architecture" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 30 Ms.R.Radhika Asso Prof., "Detection and Prediction of Lung Tumour Survival by using Swfcm Clustering" in the International Journal of Advanced Research in Electronics and Communication Engineering , Vol 5, Issue 4, April 2016.
- 31 Ms.B.Menaka Asso Prof., "Enhanced multichannel l-mac scheduling protocol for hydroacoustic sensor networks" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 32 Ms.B.Menaka Asso Prof., "Eluding from Border Effects for Unbroken Relatedness in WSNs" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 33 Ms.B.Menaka Asso Prof., "Effective Multimedia communication over wireless sensor networks on Coalesce of FPGA and network simulator" in the IOSR Journal of Electronics and Communication Engineering , Vol 11, Issue 2,, April 2016.
- 34 Ms.K.M.Dhanalakshmi Asso Prof., "Energy Efficiency Optimization And Interference Avoidance Using Channeling Technique" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.

- 35 Ms.C.Haripriya Asso Prof., "Extending the Network Lifetime in Wireless Sensor Networks using BigData" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 36 Ms.D.Subitha Asso Prof., "A Survey on Hardware Efficient Zero Forcing Precoding Algorithms for Massive MIMO Systems" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 37 Ms.D.Subitha Asso Prof., "Channel modelling for very large scale massive MIMO system" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 38 Ms.V.Aruna Asst Prof., "Channel modelling for very large scale massive MIMO system" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 39 Ms.P.Sasirekha Asst Prof., "Energy Efficiency Optimization And Interference Avoidance Using Channeling Technique" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 40 Ms C.Haripriya Asst.Prof "A Low Power High Sensitivity CMOS Transceiver for Wireless Sensor Node" EMTIC '15, SAEC.
- 41 Ms C.Haripriya Asst Prof Extending the Network Lifetime in Wireless Sensor Networks using BigData EMTIC '15, SAEC.
- 42 Ms.C. Haripriya,Asst.Prof A real time Big data Gathering Algorithm in Wireless Sensor Networks. ICACWT'16 PMR Engineering College
- 43 Ms D.Subitha Asst.Prof A Survey on Hardware Efficient Zero Forcing Precoding Algorithms for Massive MIMO Systems EMTIC '15, SAEC.
- 44 Ms D.Subitha Asst.Prof Efficient precoding algorithm for very large scale massive mimo system EMTIC '15, SAEC.
- 45 Ms D.Subitha Asst.Prof Automatic Ration Vending Machine based on Smart card EMTIC '15, SAEC.
- 46 Ms V.Aruna Asst Prof Efficient precoding algorithm for very large scale massive mimo system EMTIC '15, SAEC.
- 47 Ms P.Sasirekha Asst.prof Energy Efficiency Optimization And Interference Avoidance Using Channeling Technique EMTIC '15, SAEC.



❖ **Alumni Interaction Program on Career Development** by **Mr.R.RAMANAN** Associate Projects, CTS, **Mr.SATHYA NARAYANA**. KPlintron Implementation Engineer Global Technology Solutions **Ms.DIVYA.S** Associate Technical Operations IBM INDIA PVT.LTD

INDUSTRIAL VISITS

1. IV year B & C Section Students went on an Industrial Visit to AP LABS PVT LTD, Chennai, on 17/07/14.
2. IV year A Section Students went on an Industrial Visit to ISRO- ISAC (ISRO SATELLITE CENTRE), Chennai, on 18/07/14.
3. III year A B & C Section Students went on an Industrial Visit to Bhavini Kalpakkam, on 13/08/14, 22/08/14 & 05/09/14.
4. II year A B & C Section Students went on an Industrial Visit to BSNL, RTTC Maraimalai Nagar, on 20/08/14, 21/08/14 & 22/08/14.



5. I and II year M.E. Communication Systems Students went on an Industrial Visit to Sameer-centre for Electromagnetics Taramani, Chennai, on 26/02/15.



6. II year A B C & D Section Students went on an Industrial Visit to Prasar Bharati Doordharsan

Kendra. Chennai, on 10/03/15, 11/03/15, 12/03/15 & 13/03/15.

7. III year A B & C Section Students went on an Industrial Visit to Zigma Meditech India Pvt Ltd. Chennai, on 23/03/15, 24/03/15 & 25/03/15.



FACULTY PARTICIPATION IN NATIONAL/INTERNATIONAL CONFERENCES

1. Dr.J.Mathana Prof., "Range, Speed Estimation of Motion of Target Using Pulse Radar" in the Emerging Trends in Information and Communication, EMTIC-2015.
2. Dr.J.Mathana Prof., "EEG based treatment for attention deficit disorder peoples" in the Emerging Trends in Information and Communication, EMTIC-2015.
3. Dr.J.Mathana Prof., "Smart Railway track Monitoring and Clean system using Robot" in the International Conference on Emerging trends in engineering and technology 2016.
4. Dr.J.Mathana Prof., "A Three dimensional digital terrain modeling for military applications" in the 6th International conference on Science and Innovative Engineering, 2016.
5. Dr.D.Mohanageetha Prof., "A survey on monitoring engine parameters using LABVIEW" in the 1st International Conference on Advances in Computing and Wireless Technologies (ICACWT'16).
6. Dr.D.Mohanageetha Prof., "Analysis of Environmental Conditions Using Labview" in the Emerging Trends in Information and Communication, EMTIC-2015.

- 7 Dr.K.Thanigaivelu Prof., "Spectrum Sensing using MIMO and Adaptive Scheduling in Cooperative spectrum sensing" in the 1st International Conference on Advances in Computing and Wireless Technologies (ICACWT'16).
- 8 Dr.K.Thanigaivelu Prof., "Eluding from Border Effects for Unbroken Relatedness in WSNs" in the Emerging Trends in Information and Communication, EMTIC-2015.
- 9 Dr.C.Arunachalaperumal Prof., "Challenges and Performance Analysis in Device to Device Communication" in the 1st International Conference on Advances in Computing and Wireless Technologies (ICACWT'16).
- 10 Dr.C.Arunachalaperumal Prof., "A Three dimensional digital terrain modeling for military applications" in the 6th International conference on Science and Innovative Engineering 2016.
- 11 Mr.B.R.Tapas Babu Associate Prof., "Increasing the Residual Energy at the Relay Nodes using Opportunistic Routing in Wireless Sensor Networks" in the 1st International Conference on Advances in Computing and Wireless Technologies (ICACWT'16).
- 12 Mr.B.R.Tapas Babu Associate Prof., "Controlled Flow of Hopping for Saving Energy in Wireless Sensor Networks by using Bunny Hopping technique" in the Emerging Trends in Information and Communication, EMTIC-2015.
- 13 Mr.V.Nagaraju Associate Prof., "Spectrum Sensing using MIMO and Adaptive Scheduling in Cooperative spectrum sensing" in the 1st International Conference on Advances in Computing and Wireless Technologies (ICACWT'16).
- 14 Mr.V.Nagaraju Associate Prof., "Priority based selection of secondary user spectrum sharing in cognitive Radio" in the 6th International conference on Science and Innovative Engineering 2016.
- 15 Ms.M.Vanithalakshmi Associate Prof., "Performance Evaluation of BNMF Using Template based approach for Unsupervised and Semi Supervised Speech" in the 6th International conference on Science and Innovative Engineering 2016.
- 16 Ms.M.Vanithalakshmi Associate Prof., "Intensifying Vowels of Speech Signal Based on Formant Tracking For Hearing Impaired" in the Emerging Trends in Information and Communication, EMTIC-2015.
- 17 Ms.N.Anusha Associate Prof., "Adaptive dynamic cat swarm optimization for secondary user selection in cognitive radio" in the Emerging Trends in Information and Communication, EMTIC-2015.
- 18 Ms.S.Suvitha Associate Prof., "An Efficient Convex Optimization Technique for Device to Device Communication" in the Emerging Trends in Information and Communication, EMTIC-2015.
- 19 Ms.R.Radhika Associate Prof., "Effective use of mixed cell cache memory in multi core architecture" in the Emerging Trends in Information and Communication, EMTIC-2015.
- 20 Ms.R.Radhika Associate Prof., "Design of Reconfigurable Multicore DCT Architecture on FPGA" in the ICGPC-2016 at St.Peters University, Chennai.
- 21 Ms.B.Menaka Associate Prof., "Enhanced multichannel l-mac scheduling protocol for hydroacoustic sensor networks" in the Emerging Trends in Information and Communication, EMTIC-2015.
- 22 Ms.B.Menaka Associate Prof., "Packet Scheduling for Hydro Acoustic Sensor Networks using Tree MAC Protocol" in the 1st International Conference on Advances in Computing and Wireless Technologies (ICACWT'16).
- 23 Ms.K.M.Dhanalakshmi Associate Prof., "Energy Efficiency and Interference Avoidance using Enhanced IFBC" in the 1st International Conference on Advances in Computing and Wireless Technologies (ICACWT'16).
- 24 Ms.C.Haripriya Associate Prof., "A real time Big data Gathering Algorithm in Wireless Sensor Networks" in the 1st International Conference on Advances in Computing and Wireless Technologies (ICACWT'16).
- 25 Ms.D.Subitha Associate Prof., "Efficient Precoding Algorithm for very large scale Massive MIMO system- Survey" in the 1st International Conference on Advances in Computing and Wireless Technologies (ICACWT'16).
- 26 Ms.V.Aruna Asst Prof., "Efficient precoding algorithm for very large scale massive mimo system" in the Emerging Trends in Information and Communication, EMTIC-2015.
- 27 Ms.P.SasiRekha Asst Prof., "Energy Efficiency Optimization And Interference Avoidance Using Channeling Technique" in the Emerging Trends in Information and Communication, EMTIC-2015.
- 28 Ms.R.Ashwini Asst Prof., "Extending the Network Lifetime in Wireless Sensor Networks using Big Data" in the Emerging Trends in Information and Communication, EMTIC-2015.
- 29 Ms.K.Mekala Devi Asst Prof., "Effective use of mixed cell cache memory in multi core architecture" in the Emerging Trends in Information and Communication, EMTIC-2015.
- 30 Mr.R.Thirumurugan Asst Prof., "Malicious detection using trust scheme in hybrid MANET DTN" in the Emerging Trends in Information and Communication, EMTIC-2015.
- 31 Ms.R.Aswhini Asst Prof., "Extending the Network Lifetime in Wireless Sensor Networks using Big Data" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 32 Ms.K.Mekaladevi Asst Prof., "Effective use of mixed cell cache memory in multi core architecture" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 33 Mr.R.Thirumurugan Asst Prof., "Malicious detection using trust scheme in hybrid MANET DTN" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 34 Mr.G.Mohan Asst Prof., "Microstrip Antenna and Its Modeling: A survey" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 35 Mr.M.Bharaneedharan Asst Prof., "Efficient VLSI Architecture for Residue Number System" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 6 Dr.J.Mathana Prof., "A review in Human Ingestion Behavior Monitoring system" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 7 Dr.J.Mathana Prof., "Design of High Performance Adaptive Routing in Network-on-Chip" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 8 Dr.J.Mathana Prof., "A Survey on Hardware Efficient Zero Forcing Precoding Algorithms for Massive MIMO Systems" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 9 Dr.D.Mohanageetha Prof., "Performance analysis of hybrid full adder using tanner tool" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 10 Dr.D.Mohanageetha Prof., "Analysis of Environmental Conditions Using Labview" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 11 Dr.K.Thanigaivelu Prof., "A Survey on Energy efficient , distributed resource allocation and interference mitigation in device-to-device communication" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 12 Dr.K.Thanigaivelu Prof., "Eluding from Border Effects for Unbroken Relatedness in WSNs" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 13 Dr.K.Thanigaivelu Prof., "Adaptive Scheduling And Cooperative Spectrum Sensing Using MIMO In Cognitive Radios" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 14 Dr.K.Thanigaivelu Prof., "A survey on Wireless sensor Networks and their Applications" in the International Journal of Electrical and Electronics Engineering, December 2015.
- 15 Dr.K.Thanigaivelu Prof., "Controlling the Robot using Brain waves and Eye Blinking" in the International Journal of Electrical and Electronics Engineering, March 2016.
- 16 Dr.C.Arunachalaperumal Prof., "A Study on LTE Networks and Performance Analysis of Downlink Scheduling Algorithms" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 17 Dr.C.Arunachalaperumal Prof., "A comparative study on digital terrain modelling for defense applications" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 18 Dr.C.Arunachalaperumal Prof., "A Survey on Energy efficient , distributed resource allocation and interference mitigation in device-to-device communication" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 19 Dr.C.Arunachalaperumal Prof., "An Efficient Convex Optimization technique for Device to Device Communication" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 20 Mr.B.R.Tapas Babu Asso Prof., "Controlled Flow of Hopping for Saving Energy in Wireless Sensor Networks by using Bunny Hopping technique" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 21 Mr.B.R.Tapas Babu Asso Prof., "Link Quality Based Error Correction Technique for Self-healing Wireless Sensor Networks" in the Research Journal of Applied Sciences, Engineering and Technology 12(6): 650-657, 2016, March 2016.
- 22 Mr.B.R.Tapas Babu Asso Prof., "A Novel FPGA Implementation for a Self-Healing Reconfigurable System in Wireless Sensor Network" in the Middle-East Journal of Scientific Research 24 (5), March 2016.
- 23 Mr.V.Nagaraju Asso Prof., "Adaptive Scheduling And Cooperative Spectrum Sensing Using MIMO In Cognitive Radios" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 24 Mr.V.Nagaraju Asso Prof., "Adaptive Dynamic Cat Swarm Optimization For Secondary User Selection In Cognitive Radio" in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 25 Ms.M.Vanithalakshmi Asso Prof., "Intensifying Vowels of Speech Signal Based on Formant Tracking For Hearing Impaired" in the

- 19 M. DurgaAparna of ECE student presented a paper “Energy Efficiency and Interference Avoidance using Enhanced IFBC” at S.A Engineering College during December 2015
- 20 G.Divya of ECE student presented a paper “Spectrum Sensing using MIMO and Adaptive Scheduling in Cooperative spectrum sensing” at S.A Engineering College during March 2016
- 21 N.Ponarasi of ECE student presented a paper “A survey on monitoring engine parameters using LABVIEW” at S.A Engineering College during March 2016
- 22 N.Ponarasi of ECE student presented a paper “Enhancing the Performance of Microstrip patch antenna using Metamaterial” at S.A Engineering College during March 2016
- 23 R.S. Mahathi of ECE student presented a paper “A real time Big data Gathering Algorithm in Wireless Sensor Networks” at S.A Engineering College during March 2016
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- 27 B.Malathi of ECE student presented a paper “Efficient Precoding Algorithm for very large scale Massive MIMO system- Survey.” at S.A Engineering College during March 2016
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- 29 P. Blessy Priscilla of ECE student presented a paper “Increasing the Residual Energy at the Relay Nodes using Opportunistic Routing in Wireless Sensor Networks 1.” at S.A Engineering College during March 2016
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- 35 M. Rakesh of ECE student presented a paper “Smart Railway track Monitoring and Clean system using Robot.” at S.A Engineering College during March 2016.
- 36 B. Lekaraj of ECE student presented a paper “Smart Railway track Monitoring and Clean system using Robot.” at S.A Engineering College during March 2016.

PUBLICATIONS BY FACULTY IN NATIONAL/INTERNATIONAL JOURNALS

- 1 Dr.J.Mathana Prof., “High Speed VLSI Architecture for 2nd Scaling of Signed Integer in RNS” in the International Journal of Advent Research in Computer and Electronics Vol. 2, No. 8, E-ISSN: 2348-5523, August 2015.
- 2 Dr.J.Mathana Prof., “High Performance Reconfigurable Architecture of FFT Processor For LTE Systems” in the International Journal of Advent Research in Computer and Electronics Vol. 2, No. 8, E-ISSN: 2348-5523, August 2015.
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- 4 Dr.J.Mathana Prof., “Eeg based treatment for attention deficit disorder peoples” in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 5 Dr.J.Mathana Prof., “A comparative study on digital terrain modelling for defense applications” in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.

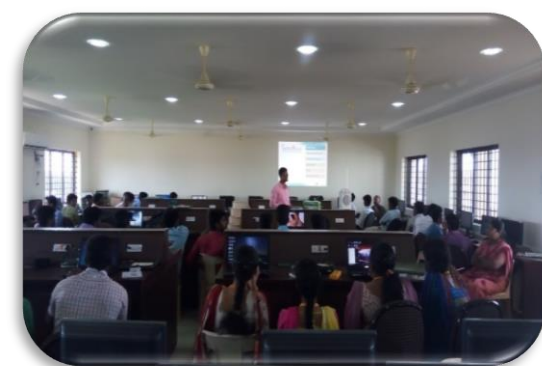
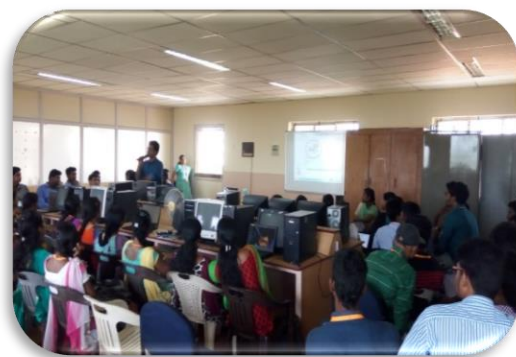
- 36 Ms.T.S.Valarmathi Asst Prof., “Enhanced multichannel l-mac scheduling protocol for hydroacoustic sensor networks” in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
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- 43 Ms.G.Abija Asst Prof., “CAN Protocol Based Embedded System to avoid Rear End Front End Collision of Vehicles” in the International Journal of Advanced Research in Electronics and Communication Engineering , Vol 5, Issue 4, April 2016.
- 44 Ms.J.Dhivya Asst Prof., “Microstrip Antenna and Its Modelling: A survey” in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
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- 46 Ms.B.Revathi Asst Prof., “Malicious detection using trust scheme in hybrid MANET DTN” in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 47 Ms.B.Revathi Asst Prof., “Secure Transmission Of Information In Wireless Sensor Networks Using

- EDTM” in the International Journal of Research in Engineering Technology, May 2015.
- 48 Mr.B.Chandru Asst Prof., “Wireless Control Station for Condenser evacuation system(in 210 MW Thermal Plant) Using Zig Bee and Embedded System” in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 49 Mr.B.Chandru Asst Prof., “Security Enhancement for finger print using double encryption and Fuzzy vault scheme” in the International Journal of Advanced Research in computer and communication engineering, Vol 5, Issue 3, March 2016.
- 50 Mr.R.Vidya Asst Prof., “Implementation of RSSI algorithm for navigation systems” in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 51 Mr.R.Rekha Asst Prof., “Implementation of RSSI algorithm for navigation systems” in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 52 Mr.R.Radhika Asst Prof., “An Efficient FPGA Architecture For RDCT With Reduced Components” in the Australian Journal of Basic and Applied Sciences, December 2015.
- 53 Ms.N.Anusha Asso Prof., “Adaptive dynamic cat swarm optimization for secondary user selection in cognitive radio” in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 54 Mr.V.Nagaraju Asso Prof., “Adaptive Dynamic Cat Swarm Optimization For Secondary User Selection In Cognitive Radio” in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.
- 55 Ms.M.Vanithalakshmi Asso Prof., “Intensifying Vowels of Speech Signal Based on Formant Tracking For Hearing Impaired” in the International Journal of Applied Engineering Research, Annexure II Scopus Indexed Journal Vol No 10, Issue 87, December 2015.Ms.K.Mekala Devi Asst Prof Effective use of mixed cell cache memory in multi core architecture EMTIC '15, SAEC.

INPLANT TRAINING/INTERSHIP

- ❖ 204 No of Students of ece were undergone for Inplant Training during DEC 2015.
- ❖ 198 No of Students of ECE were undergone for Intership during DEC 2015.

VALUE ADDED PROGRAM



- ❖ Totally 3 value added programs were conducted by various concern like Tech labs, Sunshive Electronics, Pantech Pro, Riseengg Technologies etc., for II, III and IV year students

STUDENT PARTICIPATION IN CO-CURRICULAR ACTIVITIES

1. A.N.Shriram & K.Sivaganesh & K.Shrikanth of III Year Participated in National level Technical Symposium Won I Prize in Paper Presentation, held at NEW PRINCE SHRI BHAVANI COLLEGE OF ENGINEERING, CHENNAI.
2. C.P.Praveen, of III Year Participated in National level Technical Symposium Won I Prize in Robo Rally, held at PERI INSTITUTE OF TECHNOLOGY, CHENNAI.

3. C.P.Praveen & B.Prabhakar of III Year Participated in National level Technical Symposium Won II Prize in Robo Rally, held at ST PETERS COLLEGE OF ENGINEERING, CHENNAI.
4. S.Amalabai of III Year Participated in National level Technical Symposium Won II Prize in Circuit Debugging, held at GRT INSTITUTE OF ENGINEERING AND TECHNOLOGY, CHENNAI.
5. C.P.Praveen & S.Pradeepkumar of III Year Participated in National level Technical Symposium Won I Prize in RC Car Race, held at CHENNAI INSTITUTE OF TECHNOLOGY, CHENNAI.
6. M.DharaniPriyadharshini of III Year Participated in National level Technical Symposium in Mini Project Display Contest, held at R.M.K COLLEGE OF ENGINEERING AND TECHNOLOGY, CHENNAI.
7. K.Deepak of III Year Participated in National level Technical Symposium in Technical Quiz, held at R.M.K COLLEGE OF ENGINEERING AND TECHNOLOGY, CHENNAI.
8. J.Manikandan of II Year Participated in National level Technical Symposium in Adzap, held at VELAMMAL INSTITUTE OF TECHNOLOGY, CHENNAI.
9. G.Risab & S.Kaveen of II Year Participated in National level Technical Symposium in Orbice, held at SSN COLLEGE OF ENGINEERING, CHENNAI.
10. S.Manisha & M.Priyanka of II Year Participated in National level Technical Symposium in Circuit Debugging, held at MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE, CHENNAI.
11. R.Rajesh & M.Maheshprabhu of II Year Participated in National level Technical Symposium in Connectronics, held at SRI VENKATESHWARA COLLEGE OF ENGINEERING, CHENNAI.
5. C.Yuvashree of II year Student has participated in the Zonal Level Basket Ball Tournament in 2015-2016.
6. K.Pooja Sharma of II year Student has participated in the Zonal Level Basket Ball Tournament in 2015-2016.
7. D.Dilipan of II year Student has participated in the Zonal Level Kabadi Tournament in 2015-2016.
8. S.Roshini of IV year Student has participated in the Zonal Level Athletics Tournament in 2015-2016.
9. M.Balaji of IV year Student has participated in the Zonal Level Athletics Tournament in 2015-2016.
10. J.Sirajudeen of IV year Student has participated in the Zonal Level Hockey Tournament in 2015-2016.
11. G.Balachander of II year Student has participated in the Kho-Kho of Saveetha Trophy in 2015-2016.
12. M.Jegadeshnan of II year Student has participated in the Kho-Kho of Saveetha Trophy in 2015-2016.
13. C.Tharani of III year Student has participated in the Throw Ball of Saveetha Trophy in 2015-2016.
14. D.Harikrishnan of III year Student has participated in the Cricket of RMK Trophy in 2015-2016.
15. V.Vignesh of IV year Student has participated in the Cricket of RMK Trophy in 2015-2016.
16. R.Deepak of III year Student has participated in the Cricket of RMK Trophy in 2015-2016.

INTERNATIONAL CONFERENCES

1. P.U. Uthra of ECE student presented a paper "Adaptive Dynamic Cat Swarm Optimization For Secondary User Selection In Cognitive Radio" at S.A Engineering College during December 2015.
2. B.Gajalakshmi of ECE student presented a paper "Effective Use Of Mixed Cell Cache Memory In Multi Core Architecture" at S.A Engineering College during December 2015 .
3. P. Blessy Priscilla of ECE student presented a paper "Controlled Flow Of Hopping For Saving Energy in Wireless Sensor Networks By Using Bunny Hopping Technique" at S.A Engineering College during December 2015 .
4. R.S.Mahathi of ECE student presented a paper "Extending The Network Lifetime In Wireless Sensor Networks Using Big data" at S.A Engineering College during December 2015 .
5. Varalakshmi.D of ECE student presented a paper "A Comparative Study on Digital Terrain Modeling for Defense Applications" at S.A Engineering College during December 2015 .

6. D.Ragavi of ECE student presented a paper "Implementation Of Machine Learning Algorithm With Open Source Tool ware For The Analysis Of Near Infrared Spectroscopy Data" at S.A Engineering College during December 2015 .
7. M.Preethi of ECE student presented a paper "Efficient VLSI Architecture For Residue Number System" at S.A Engineering College during December 2015 .
8. R.AnnesGladia of ECE student presented a paper "Wireless Control Station For Condenser Evacuation System (In 210 MW Thermal Plant) Using Zig Bee And Embedded System" at S.A Engineering College during December 2015 .
9. Lavanya.E of ECE student presented a paper "Implementation of RSSI algorithm for Navigation System" at S.A Engineering College during December 2015 .
10. K.A.Revathy of ECE student presented a paper "Enhanced Multichannel L-Mac Scheduling Protocol For Hydro acoustic Sensor Networks" at S.A Engineering College during December 2015 .
11. M.DurgaAparna of ECE student presented a paper "Energy Efficiency Optimization And Interference Avoidance Using Channeling Technique" at S.A Engineering College during December 2015
12. A.Aswni of ECE student presented a paper "Enhanced BNMF For Unsupervised And Semi-Supervised Speech Environment" at S.A Engineering College during December 2015
13. Lukshmi.G of ECE student presented a paper "An Efficient Convex Optimization Technique For Device To Device Communication" at S.A Engineering College during December 2015
14. N.Ponarasi of ECE student presented a paper "Analysis Of Environmental Conditions Using Lab view" at S.A Engineering College during December 2015
15. Malathi.B of ECE student presented a paper "Efficient Precoding Algorithm For Very Large Scale Massive MIMO System" at S.A Engineering College during December 2015
16. Priscilla.S.J of ECE student presented a paper "Malicious detection using trust scheme in hybrid MANET DTN" at S.A Engineering College during December 2015
17. R.Anisalini of ECE student presented a paper "Microstrip Antenna and Its Modelling: A survey" at S.A Engineering College during December 2015
18. G.Divya of ECE student presented a paper "Adaptive Scheduling And Cooperative Spectrum Sensing Using MIMO In Cognitive Radios" at S.A Engineering College during December 2015.