



RMK COLLEGE OF ENGINEERING AND TECHNOLOGY



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DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING



RMK COLLEGE OF ENGINEERING AND TECHNOLOGY
R.S.M Nagar, Pudukoyal-601206.



Department of Electronics and Communication Engineering

Vision:

To excel in the field of Electronics and Communication Engineering to contribute to the knowledge economy and betterment of human life.

Mission:

- To develop the state-of-the-art infrastructure for quality education.
- To build up a team striving for excellence in teaching and research.
- To ensure greater research collaborations with industries and organizations.
- To strengthen social responsibilities and values.

Program Outcomes (POs):

Engineering Graduates will be able to:

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet

the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage independent and life-long learning in the broadest context of technological change.

Program Educational Objectives (PEOs):

Graduates of Electronics and Communication Engineering program will

PEO1: Excel in their professional and technical career and pursue higher education to be Globally competent

PEO2: Evaluate the real world problems and provide with technically feasible and economically viable solutions

PEO3: Continuously update technologies through lifelong learning

PEO4: Exhibit effective communication skills and professionalism in diverse environments

Program Specific Outcomes (PSOs):

After successful completion of the B.E degree program, the graduates will be able to

PSO1: Develop and test electronic systems for given specifications

PSO2: Design and analyze the signal processing systems as per the requirements

PSO3: Apply appropriate technology for the implementation of modern communication systems

JAN-JUNE 2018

TECHNICAL PRESENTATION BY ALUMNUS:

- **Manoj Kumar V R., Alumni.,** presented session on **"Higher Studies in Abroad"**, conducted by **National Academic Development Research Forum (NADRF)**, at RMKCET, on 06.01.2018.

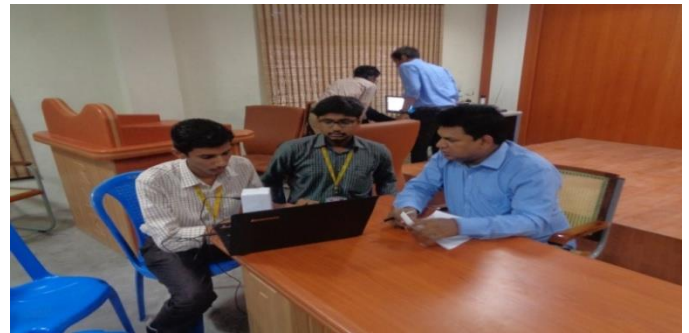


- **Vaishali B., Alumni.,** presented session on **"Placement Techniques"**, conducted by **National Academic Development Research Forum (NADRF)**, at RMKCET, on 06.01.2018.



INTERNSHIP INTERVIEW

- **Mr. Srinivasan Thanukrishnan** Founder & CEO, Glosys Technology Solutions Pvt. Ltd., Chennai, conducted **Internship Interview** for Selected II year and III year Students of ECE on 16.02.2018.



NATIONAL CONFERENCE:

- The Department Conducted IET, YPS Chennai Network and IEEE Madras Section sponsored Seventh National Conference on **"Recent Advancements in Signal Processing and Communication (NCRASPC - 2018)"**, on 26.02.2018. It was inaugurated by the Chief Guest **Mr.Thirumalaidasan K.,** Unit Head-Operations M/s.PEE Industrial Valves Pvt.Ltd., Gummidipoondi.





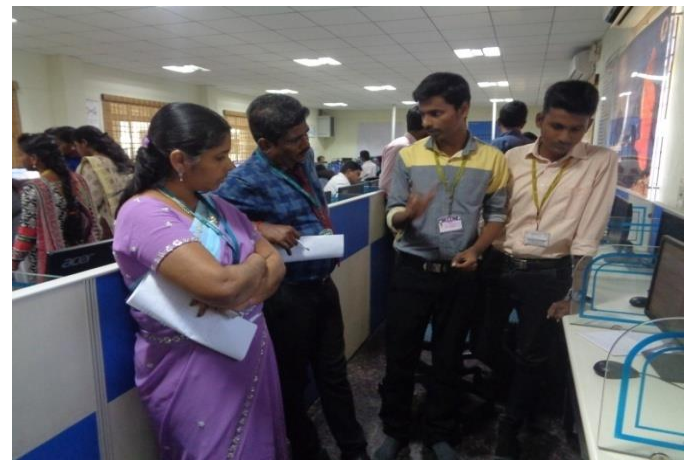
MINI PROJECT CONTEST:

- Department of ECE conducted the **Mini Project Contest** on 03.03.2018. There were 20 batches of students displaying the various innovative projects.



TECHNICAL EVENT:

- Department of ECE Organized **Snake and Ladder - Gaming Event** (An Aptitude Contest) for Second year and Third year ECE students on 27.02.2018 and 28.02.2018.



SEMINAR:

- Department of ECE Organized a Seminar on **“CELEBRATE ENGINEERING”** on 12.03.2018.

INDUSTRIAL VISITS:

1. II Year A, B, C and D Section students visited "**Periyar Science and Technology Park**", Chennai on 04.01.2018.
2. II Year C and D Section students visited "**Doordharshan Kendra**", Chennai, on 07.02.2018.
3. II Year A and B Section students visited "**Doordharshan Kendra**", Chennai, on 08.02.2018.
4. III Year A Section students visited "**Sansbound Networking School**", Ashok Nagar, on 07.02.2018.
5. III Year C Section students visited "**Sansbound Networking School**", Ashok Nagar, on 08.02.2018.
6. III Year B Section students visited "**Sansbound Networking School**", Ashok Nagar, on 13.02.2018.
7. III Year ECE A Section students visited "**Bharat Scans**", Royapettah, on 24.02.2018.

INPLANT TRAINING:

1. **Karthik Raja S and JayaKrishnan V S.**, of IV year underwent internship training, at **Hyundai MOBIS India Ltd**, Chennai, from 01.06.2018 to 08.06.2018.
2. **Kaushika G., Jayashre T., Jayashree D and Henna Kausar M.**, of IV year underwent in-

- plant training, at **Bharat Electronics Ltd**, Chennai, from 01.06.2018 to 11.06.2018.
3. **Tata Harika.**, of III year underwent in-plant training at **Amara Raja Batteries Ltd**, Tiripati, from 03.06.2018 to 16.06.2018.
4. **Vidhyashree C and Sweta R.**, of III year underwent in-plant training, at **Doordarshan Kendra**, Chennai, from 04.06.2018 to 08.06.2018.
5. **Shamala Devi G., Yamini Krishna M and Viswa Prasanna M.**, of III year underwent in-plant training, at **Bharat Electronics Ltd**, Chennai, from 07.06.2018 to 13.06.2018.
6. **Bhavaharini S and Aarthi S.**, of III year underwent in-plant training, at **Syrma Technologies**, Chennai, from 11.06.2018 to 13.06.2018.
7. **Videsh Ram B.**, of III year underwent in-plant training, at **BSNL, Madurai** from 11.06.2018 to 15.06.2018.
8. **Virushini R and Aishwarya S S.**, of III year underwent in-plant training, at **Bharat Electronics Ltd**, Chennai, from 18.06.2018 to 23.06.2018.
9. **Kirthika N.**, of III year underwent in-plant training, at **Codebind Technologies**, Coimbatore, from 18.06.2018 to 22.06.2018.
10. **Bhavaharini S.**, of III year underwent in-plant training, at **TVS Training and ServicesLtd**, Chennai, from 18.06.2018 to 22.06.2018.

11. **Srilekha G D.**, of III year underwent in-plant training, at **Chennai Petroleum Corporation Ltd**, Chennai from 28.05.2018 to 01.06.2018.

STUDENT ACTIVITIES:
AWARDS/HONOURS RECEIVED BY STUDENT:

- **Swetha A.**, of III Year has received "**ISTE TN Section Best student Award**", by ISTE Tamil Nadu section in 17th ISTE TN Section annual convention of Engineering students 2017 at Tagore Engineering College on 10.04.2018.



- **Santhiya S., Sangeetha P., Swetha A and Shanmuga Priya S.**, of III Year has received "**Best Student Project Award - 2017**" from Dr Kalam Educational Trust, at Dr.N.G.P.Arts and Science College, Coimbatore, on 12.05.2018.



- **Saranya R.**, of II Year has received "**ISTE TN Section Best student Award**", by ISTE Tamil Nadu section in 17th ISTE TN Section annual convention of Engineering students 2017 at Tagore Engineering College on 10.04.2018.

- **Santhiya S.**, of III Year has received "**Best Student Award - 2017**" from Dr Kalam Educational Trust, at Dr.N.G.P.Arts and Science College, Coimbatore, on 12.05.2018.

Participation in Smart India Hackathon:

- Team titled “THE TECHIE TRIBES” from final year ECE of RMK College of Engineering and Technology participated in the Hackathon – 2018 grand finale held in Jaipur Engineering College and Research Center, Jaipur on 30.03.2018 and 31.03.2018. This Hackathon competition was conducted by Ministry of Information and Broadcasting. In this competition students developed a mobile application “**STRIKING AIR UI**” for All India Radio and **won as 1st runner up with cash prize 75,000/-** from **Mr. Rajyavardhan Rathore, Minister of Information and Broadcasting.**

Team Members: Sudharsan G P, Sudharsan S, Gowtham P, Suryah V, Sakshi JainS, Dakshita Jain











- Team titled “Infinitys” from second and third year ECE of RMK College of Engineering and Technology participated in the Hackathon – 2018 grand finale held in Techno India, Kolkata on 30.03.2018 and 31.03.2018. This Hackathon competition was conducted by Ministry of Health & Family Welfare. In this competition students developed a mobile application “**INDOOR NAVIGATION USING BLE BEACONS**” for hospitals.

Team Members: Lakshman Sivakumar, Kiran R, Mohamed Rizwan M E, Mohammed Imran Z, Saroja S, Yamani V



ANNA UNIVERSITY RANK HOLDERS 2013-17 Batch

S.No	Name	Reg.Number	CGPA	Rank	Photo
1	SARANYA H	111613106129	9.2	10	
2	KEERTHANA V	111613106065	9.08	21	
3	RESHMA G S	111613106117	9.01	28	
4	NADEEN AUSHAD	111613106083	9	29	

5	GOMATHI M	111613106035	8.96	33	
6	NIVEDHA M	111613106090	8.96	33	
7	RADHIKA R	111613106107	8.9	39	
8	MOHANA PRIYA S	111613106078	8.79	50	

PAPER PUBLISHED IN JOURNAL:

1. Shaik Hedayath Basha., **Karthik U., Mahendra D., Sai Harsha M and Nirmal Raj E.**, "Video Watermarking using DWT and Elgamal for Authentication and Security", SSRG International Journal of Electronics and Communication Engineering (SSRG-IJECE) Volume5 Issue 1, Jan 2018.
2. Inbamalar T M., **Apoorva N., Akshayaa T M., GokulPooja C., Jayashre T and Jayashree D.**, "An improved Artificial Electrolarynx", International Journal of Pure and Applied Mathematics, Volume 118, Feb 2018 ,No.18, pp.3389-3396.(Scopus indexed)
3. Vijayanandh R., **Monisha S., Nandhini S., Niranjanadevi D and Nivedha J.**, "Secured image transmission using MIMO-OFDM Technique", International journal of Pure and Applied Mathematics (IJPAM) , Vol. 118, No. 21B, April 2018. (Scopus indexed)
4. Ciyamala Kushbu S.,**Rishikesh A T.,Vignesh P and Vignesh P.**, "Automatic Energy Meter Monitoring System Using IOT", International Journal of Advance Research in Science and Engineering , Vol No .(07),SPECIAL ISSUE NO.(02),MARCH 2018.
5. Ciyamala Kushbu S.,**Balaji V.,Ajithkumar P.,Gunasekar N and Kiren Aananth.**, "Forgery Detection in Documents", SSRG International Journal of Electronics and Communication Engineering, ISSN:2348-8549,pp 41-16, April 2018.
6. **Sriram T M, Yuvaraja K B** and Gangatharan N., "Automatic Shutdown of Electronic Devices", IAETSD Journal for Advanced Research in Applied Sciences, Volume 5, Issue 4, pp.190-195, April 2018, ISSN NO: 2394-8442.
7. Shaik Hedayath Basha, **Srinivasan S., Sunil Kumar V., Venkat Mahesh G and Susheil Natraj S.**, "Railway LI - FT", IAETSD Journal For Advanced Research In Applied Sciences Volume5, Issue4, April/2018 ISSN NO: 2394-8442, DOI:16.10089.JARAS.2018.V5I4.453459.1498.
8. Dr.Shanthi K.G., Manikandan A., Sessa Vidhya S., **Venkatesh Perumal Pranay Chandragiri., Sriram T M and Yuvaraja K B.**, "Design of Low Cost and Efficient Sign Language Interpreter for The Speech and Hearing Impaired", ARPN Journal of Engineering and Applied Sciences Vol. 13, No. 10, ISSN 1819-6608, May 2018 .(Scopus indexed)
9. Jai Ganesh S., **Avenash., Bharathi., Amudham Prakash Reddy and Harihara Sudhan.**, "Electronic Toll Collecting System Using QR Code and RFID Registration", International Journal of Advanced Research in Dynamical and Control Systems(JARDCS) Vol. 10, 03-Special Issue, Mar 2018.(Scopus indexed).

10. Babu M., **Indiradevi R., Hemavathy V., Hemamalini C and Manju S.**, "Forest Fire Detection And Alert System", International Journal of Science and Innovative Engineering & Technology, Vol.3, May 2018.
11. Babu M., **Dakshita Jain D., Sanjana S and Reshma CP.**, "Health Monitoring System of Tsunami Boys", International Journal of Science and Innovative Engineering & Technology, Vol. 1, May 2018.
12. Muthumanickam S., **Gayathri J and Eunice Daphne J.**, "Parkinson's Disease Detection And Classification Using Machine Learning And Deep Learning Algorithms– A Survey", International Journal of Engineering Science Invention (IJESI), ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726, Volume 7 Issue 5 Ver. 1 ,PP 56-63, May 2018.
- Terencia J and Dhanalakshmi M.**, "Advances in Wildlife Road-Crossing Early Alert System", International Conference on Electrical and Electronics Engineering, in IRA Research forum, at Chennai, on 18.02.2018.
3. Indumathy T., **Hariprasad P S., Anbarasan V N., Gokul Raj V and Gowri Shankar J.**, "Waste Disposal Between Tracks Using Robot", 7th National Conference on Recent Advancements in signal Processing and Communications (NCRASPC -2018), at R.M.K.C.E.T, Puduvoyal Chennai on 26.02.2018.
4. Nimitha N., **Paninila B., Pavithra B., Pavithra V P and Puvaneshwari A S.**, "Chromosomes Classification and Anomaly detection by using Machine Learning Algorithms", 7th National Conference on Recent Advancements in Signal Processing and Communications, at R.M.K College of Engineering and Technology, Chennai, on 26.02.2018.
5. **Arundhathi B., Dhanya D., Catherine Rathi Devapriya., Alagu Bakya Lakshmi., Annie Terencia J and Dhanalakshmi M.**, "Advances in Wildlife Road-Crossing Early Alert System", 7th National Conference on Recent Advancements in signal Processing and Communications (NCRASPC -2018), at R.M.K.C.E.T, Puduvoyal Chennai on 26.02.2018.

PAPER PUBLISHED IN CONFERENCE:

1. Dr. Inbamalar T M., **Apoorva N., Akshaya T., Jayashree D., Jayashre T., and Gokul Pooja C.**, "An improved Artificial Electrolarynx", International Conference on Inventive Computing Systems and Applications, Inventive Research Organization, at hotel IBIS, Pattaya, Thailand (Through Skype), on 29.01.2018 and 30.01.2018.
2. **Arundhathi B., Dhanya D., Catherine Rathi Devapriya., Alagu Bakya Lakshmi., Annie**

6. Nimitha N., **Malavika A M., Mythili priya R., Nandhini J and Nandhini S., "Mode of Connecting Paralysed to the World"**, 7th National Conference on Recent Advancements in Signal Processing and Communications, at R.M.K College of Engineering and Technology, Chennai, on 26.02.2018.
7. Jai Ganesh S., **Priyadharchini P., Ramya R., Rubaina Afreen A and Priyanka P., "Adaptive Cruise Control on Vehicle to avoid Collision Occurence"**, 7th National Conference on Recent Advancements in signal Processing and Communications (NCRASPC -2018), at R.M.K.C.E.T, Puduvoyal Chennai on 26.02.2018.
8. Sathyaraj P., **Nisha E., Niveditha M and Niveditha G., "Secured IoT based Intrusion Detection system using PIR sensor"**, 7th National Conference on Recent Advancements in signal Processing and Communications (NCRASPC -2018), at R.M.K.C.E.T, Puduvoyal Chennai on 26.02.2018.
9. **Vignesh M., Sundar Ram T., Maharaja T., Tarun S K., Lokesh V and Gokul H., "Smart Toll Application"**, 7th National Conference on Recent Advancements in signal Processing and Communications (NCRASPC - 2018), at R.M.K.C.E.T, Puduvoyal Chennai on 26.02.2018.
10. Dr. Shanthi K G., **Swetha A., Santhiya S and Sangeetha P., "Lidar Based Coast Guard Alert System and Cost Efficient GPS Alert system for Fishermen Safety"**, 7th National Conference on Recent Advancements in signal Processing and Communications (NCRASPC - 2018), at R.M.K.C.E.T, Puduvoyal Chennai on 26.02.2018.
11. **Mohamed Rizwan., Kiran R., Lithan Kumar and Lakshman Sivakumar., "Prototype Application for Controlling Wireless Connectivity Inside the Premises"**, 7th National Conference on Recent Advancements in signal Processing and Communications (NCRASPC -2018), at R.M.K.C.E.T, Puduvoyal Chennai on 26.02.2018.
12. **Jayakrishnan VS., Karthik Raja S and Girish S., "National Creche Application"**, 7th National Conference on Recent Advancements in signal Processing and Communications (NCRASPC -2018), at R.M.K.C.E.T, Puduvoyal Chennai on 26.02.2018.
13. SK. Hedayath Basha., **Sai Jaya Harsha M., Mahendra D., Karthik U and Nirmal Raja E., "Video Watermarking Using DWT And Elgamal for Authentication and Security"**, International conference on recent trends in mathematics and information technology -ICRMIT 2018, at Avinashilingam Institute for Home Science and Higher

- Education for Women, Coimbatore, on 01.03.2018 and 02.03.2018.
14. Dhivya K., **Keerthana M and Iruvuri Lahari.**, "**Jubilance Hub - World's Unique Recruitment Site**", Conference, at Bizdev Info Tech, Chennai, on 14.03.2018.
 15. Sathish Kumar G., **Dhivya M., Anubama S., Kanimozhi B and Akshara B.**, "**Intra Body Communication In Bio-Medical Applications**", International Conference on Automation and computing Technologies (ICACT-18) at Velammal Institute of Technology, on 17.03. 2018.
 16. Dr.Shanthi K G., **Sudharsan S., Sudharsan G P., Gowtham P and Thasbir S K.**, "**Human-Animal Conflicts Impediment Using Technology and Future Prospects**", 4th International Conference on Applied Science Engineering and Technology (ICASET-2018), at Sengunthar College of Engineering, Namakkal, on 16.03.2018 and 17.03.2018.
 17. Ciyamala Kushbu S., **Rishikesh A T., Vignesh P and Vignesh P.**, "**Automated Energy Meter Monitoring System using IoT**", International Conference on Advancements in Engineering Technology and Sciences ICAETS 2018, at Dhaanish Ahmed College of Engineering, on 16.03.2018 and 17.03.2018 .
 18. Nimitha N., **Aarthi Pooja B R., Abirami S and Barakath Nisha V N K**, "**Road traffic sign detection and classification using intelligent models - A Survey**", 8th International Conference on Engineering and Advancement in Technology 2018 (ICEAT'18) ,at Sri Krishna College of Engineering and Technology, Coimbatore ,on 22.03. 2018.
 19. Poovizhi S., **Rayapudi Prashanth Kumar., Santhip Kumar R., Tata Pushpak and Unnam Manoj Kumar.**, "**Improved and Secured Air Traffic Management using single board computer**", International Conference on Engineering and Advancement in Technology, at Sri Krishna College of Technology, Coimbatore, on 22.03.2018.
 20. **Sanjana S., Dakshitha D Jain, Reshma C P and Babu M.**, "**Health Monitoring System of Tsunami Buoys**", International Conference on Engineering and Advancement in Technology, at Sri Krishna College of Technology, Coimbatore, on 22.03.2018.
 21. Sandhiya G., **SanthoshS., Sathish K., Sathish B and Putreddy Harshavardhan.**, "**Safety System for Fishermen to prevent Border Crossing**", International Conference on Engineering and Advancement in Technology, at Sri Krishna College of Technology, Coimbatore, on 22.03.2018.

22. Jai Ganesh S., **Prasannavenkatesh D., Pradosh D., Mukundhan S and Karthikeyan S., "Neonatal Incubator Monitoring Using IOT"**, 8th International Conference on Engineering and Advancement in Technology, at Sri Krishna College of Technology, Coimbatore, on 22.03.2018 and 23.03.2018.
23. Indumathy T., **Hariprasad P S., Anbarasan V N., Gokul Raj V and Gowri Shankar J., "Waste Disposal Between Tracks Using Robot"**, 8th International Conference on Engineering and Advancement in Technology 2018, at Srikrishna College of Technology on 22.03.2018 and 23.03.2018.
24. Jai Ganesh S., **Avenash A., Harihara Sudhan S., Baarathi C and Amudham Prakash Reddy., " Electronic Toll Collection System Using QR Code and RFID Registration"**, International Conference on Engineering and Advancement in Technology, at Sri Krishna College of Technology, Coimbatore, on 22.03. 2018 and 23.03. 2018.
25. Dr.Arun C., **Deepika A N., Deepalakshmi K., Dhanalakshmi R T and Divyabharathi R., "Farmer Bridge Android Application and E- Commerce Website For Farmer "**, IEEE Conference on Engineering and Advancement In Technology, at Sri Krishna College of Technology, Coimbatore, on 22.03.2018 and 23.03.2018.
26. Sathish Kumar G., **Dhivya M., Anubama S., Kanimozhi B and Akshara B., "Intra Body Communication In Bio-Medical Applications"**, 2nd International Conference on Applied Soft Computing Techniques(ICASCT), at Kalasalingam Academy of Research and Education. ISBN 978-93-86638-27-4, on 22.03.2018 and 23.03.2018.
27. Muthumanickam S., **Nivedha S., Prapthi S R and Rashmi R., "Implementation of Digital Watermarking techniques - A Survey"**, 8th International Conference on Engineering and Advancement Technology, at Sri Krishna College of Technology, Coimbatore, on 22.03.2018 and 23.03.2018.
28. Jai Ganesh S., **Priyadharchini P., Ramya R., Rubaina Afreen A and Priyanka P., "Adaptive Cruise Control on Vehicle to avoid Collision Occurence"**, 2nd International Conference on advances in Mechanical Engineering (ICAME – 2018), at SRM University on 22.03.2018 and 24.03.2018.
29. Dr.Shanthi K G., **Raja Sindhu A., Monisha R.,Venkatesh Perumal Pranay C and Suryah V., "Adaptive Sensing andEngine Control for Internal Combustion Engine based UAV"**, 2nd International Conference on Advances in Mechanical Engineering (ICAME-2018) , at SRM University, Chennai, on 22.03.2018 to 24.03.2018.
30. Sangeethalakshmi K., **Uma K., Sowmya S and Vishali Sukumar., "Refinery Control Room Ambience Control System"**, International Conference on Engineering and Advancement in Technology, at Sri Krishna College of Technology, Coimbatore, on 22.03.2018 and 23.03.2018.
31. Kannan.K., **Praveen M., Rameez Raja S., Sabarinathan M and Haridass R., "A Surveillance System for Air Pollution Monitoring, Warning and Management"**, International Conference on Electrical, Communication and Instrumentation systems", at Jeppiaar Engineering College, Chennai, on 23.03.2018 .

32. Sangeethalakshmi K., **Kalyan Kumar Reddy N., Pankaj Kumar T S., Shadik Basha P and Anki Reddy K., "On Board Diagnostics Using On Board Computer"**, 8th International Conference On Engineering And Advancement in Technology, at Sri Krishna College of Technology, Coimbatore, on 23.03.2018 and 24.03.2018.
33. Shaik Hedayath Basha., **Abishek R, Balakrishnan S., Bhuvanesh Kumar H and Badugu SVR Balasubrahmanyam, "Face Recognition Based Attendance System"**, International Conference on Recent Trends in Engineering, Computers, Information Technology and Applications at PSNA College of Engineering and Technology, on 23.03.2018.
34. Ciyamala Kushbu S., **Balaji V., Ajithkumar P, Gunasekar N and Kiren Aananth., "Forgery Detection in Documents"**, 2nd International Conference on Recent Trends in Engineering, Computers, Information Technology and Applications at PSNA College of Engineering and Technology, on 23.3.2018.
35. Nimitha N., **Paninila B., Pavithra B., Pavithra V P and Puvaneshwari A S, "Literature Survey of Chromosomes Classification and Anomaly detection using Machine Learning Algorithm"**, 2nd International Conference on Advances in Mechanical Engineering, at SRM Institute of Science and Technology, Kancheepuram, on 23.03.2018.
36. Kumar T., **Bhubesh Kumaran M., Chandra Mohan S., Kiran Kumar U and Narahari A., "Traffic Analysis of Spectrum by Sensing and Sharing Algorithm Using OFDM in Cognitive Radio"**, International Conference on recent Trends in Engineering, Computers, Information Technology and Applications, at PSNA College of Engineering and Technology, on 23.03.2018.
37. Maran P., **Yugesh M., Sam David D., Venkatasairam B And Vanteri Nikhilreddy., "Automatic Medicine Dispenser using QR code"**, 8th International Conference on Engineering and Advancement in Technology, at Sri Krishna College of Technology, on 23.03.2018.
38. Dr.Gangatharan N., **Sriram T M and Yuvaraja K B., "Automatic Shutdown of Electronic Devices"**, 4th International Conference on Science Engineering and Technology, at Jeppiaar Engineering College, Chennai, on 23.03.2018 and 24.03.2018.
39. Vijayanandh R., **Sripriya L., Sindhumathi M., Varshini S and Sakshi Jain S., "Gun Control System and Stabilization"**, 4th International Conference on Science, Engineering and Technology, at Jeppiaar Engineering College, Chennai, on 23.03.2018 and 24.03.2018.
40. Kumar T., **Vankireddy Likhitha Reddy., Vaddi Sreeja., Sree Ramya S and Renuka Devi M., 'A Hybrid Model for Wind Forecasting'**, International Conference on Innovations in Engineering and Sciences (ICIES'18), at Jeppiaar SRR Engineering College, Chennai, on 23.03.2018 and 24.03.2018.
41. Dr.Inbamalar T M., **Sandhya R., Sangeetha R., Sinduja R and Vaisunavee R., "An improved method for the Early Detection of Lung Cancer"**, International Conference on Innovations in Engineering and Sciences (ICIES'18), at Jeppiaar SRR Engineering College, Chennai, on 23.03.2018 and 24.03.2018.
42. Shaik Hedayath Basha, **Srinivasan S ., Sunil Kumar V., Venkat Mahesh G and Susheil** Applications, at PSNA College of Engineering and Technology, on 23.03.2018.

- Natraj S., "Railway LI - FI"**, 4th International Conference on Science , Engineering and Technology, at Jeppiar Engineering College, Chennai, on 23.03.2018 and 24.03.2018.
43. **Alagu Bakya Lakshmi., Annie Terencia J and Dhanalakshmi M., "Advances in Wildlife Road-Crossing Early Alert System"**, National conference on Advances in Electrical and Electronics Engineering, at Sri Venkateswara College of Engineering, on 24.03.2018.
44. Parvathy G., **Karthikeyan S., Karthikeyan G., Karthikeyan G A and Nikhil M., "Smart Cold Resistant Jerkin For Soldiers"**, National Conference on Advances In Electrical And Electronics Engineering - NCAEEE 2018, at Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur, on 24.03.2018.
45. Muthumanickam S., **Vigneshwaran K., Vignesh B., Siddharth R and Suresh R., "Advanced Braille Language Telecommunication"**, 4th International Conference on Science Engineering and Technology ICONSET'18, at Jeppiar Engineering College, Chennai, on 24.03.2018.
46. Sathish Kumar G., **Janani M., Konduru Sowjanya., Lalitha Jyothi M V S and Leela G S., "Control of Furnace Temperature Using IoT"**, National Level Technical Conference on Petroleum Conservation and Environmental Sustainability, at JCT College of Engineering and Technology, on 27.03.2018..**(BEST PAPER AWARD)**
47. Dr.Praveena N G., **Ajith Kumar P., Koushik B., Barath P., Dinesh Kumar C., "Hedonic Regression Model for MIMO in Femto Cell on 5G Network to Avoid Fronthaul and Backhaul"**, International Conference on Smart Structures and Systems (ICSSS'17), at Saveetha Engineering College, Chennai , on 28.03.2018.
48. Sessa Vidhya S., **Harini Lakshmi B., Jotheeswari J., Keerthanapriya T J and Michael Swetha C., "Design of UWB Slot Antenna For WBAN Application"**, International Conference on Smart Structures and Systems", at Saveetha Engineering College, Chennai, on 28.03.2018.
49. Sessa Vidhya S., **Anointy Florence P., Deepa BB., Easwari P and Hemalatha E., "Design of UWB Patch Antenna with Complementary Split Ring Resonator for Wireless Body Area Networks"**, International Conference on Smart Structures and System, at Saveetha Engineering College, Chennai, on 28.03.2018.
50. Dr.Praveena N G.,**PraveenKumar S., Pravith R., Madhu K and Saminathan G., "Maximizing Lifetime Through Finest Routing in Mobile Wireless Sensor Networks"**, International Conference on Smart Structures and Systems (ICSSS'17), at Saveetha Engineering College, Chennai, on 28.03.2018.
51. Sathyaraj P., Rukmani Devi D., **Vishaal J B., Vinoth R., and Shaik Riyaz "Energy management Maintenance by clustering in MANETs"**, International Conference on Smart Structures and Systems", at Saveetha Engineering College, Chennai, on 28.03.2018.
52. Kannan K., **Alagu Selvan V., Hari Krishna B., Aravind M and Balaji M., "RFID-Based Ticketing For Public Transport System"**, International Conference on Science and Innovative Engineering(ICSIE 2018) at Jawahar Engineering College, Chennai on 01.04.2018.
53. Babu M., **Indiradevi R., Hemavathy V., Hemamalini C and Manju S., "Forest Fire**

- Detection And Alert System**", International Conference on Science and Innovative Engineering(ICSIE 2018) at Jawahar Engineering College, Chennai on 01.04.2018.
54. Sathyaraj P., Rukmani devi D., **Deepika T and Aswini V., "Sensor Based Over Band Count Detector and Display Unit"**, Second International Conference on Power Electronics and Renewable Energy Systems", at Rajalakshmi Engineering College, on 04.04.2018.
55. Kannagi V., **Dhava Sahnmitha K., Enidha A., Ashika P., Balreddy Rajitha., "Microstrip patch Antenna as a Sensor for Breast Cancer Detection"**, Second International Conference on Power Electronics and Renewable Energy Systems", at Rajalakshmi Engineering College, on 04.04.2018.
56. Dr.Arun C., **Karoline I., PeramDeepthi, Meenakshi R and Palamani Sai Vandana., "Improving Security And Quality Of Image Steganography Using RC4 And DWT"**, International Conference on Power Electronics and Renewable Energy Systems, at Rajalakshmi Engineering College(REC), Chennai, on 04.04.2018.
57. Arthi Devarani P., **Saranya E., Shanthi Priya E and Vinisha N., "Automatic Forest Tree Protection using Robotics"**, International Conference on Power Electronics and Renewable Energy Systems, at Rajalakshmi Engineering College, on 04.04.2018.
58. Kannagi V., **Jayasri G., Kavipriya E M and Mohana P., "Quad Band Circularly Polarised Antenna For Wlan/Wimax Applications"**, International Conference on Power Electronics and Renewable Energy Systems, at Rajalakshmi Engineering College (REC), Chennai, on 04.04.2018 and 05.04.2018.
59. Dhivya K., **Venisree S., Vishnupriya R and Thamizh Rathna E S., "Smart Collection and Detection Waste"**, International Conference on Power Electronics and Renewable Energy Systems, at Rajalakshmi Engineering College, Chennai, on 04.04.2018 and 05.04.2018.
60. Dr.Gangatharan N., **Pavya K., Anne Sophia A and Bandaru Soundarya., "Smart Academic Database Record"**, Second International Conference on Power Electronics and Energy Conservation, at Rajalakshmi Engineering College(REC), Chennai, on 04.04.2018 and 05.04.2018.
61. Arthi Devarani P., **Anitha K G and Deepika V., "Survey on Gait Recognition using Intelligence Models"**, International Conference on Design, Analysis, Manufacturing and Simulation, at Saveetha School of Engineering, Chennai, on 06.04.2018 and 07.04.2018.
62. Nimitha N., **Malavika A M., Mythili priya R., Nandhini J and Nandhini S, "Mode of Connecting Paralyzed to the World"**, International Conference on Scientific Research and Innovations(ICSRI) 1.0, at Chennai Institute of Technology, Chennai, on 06.04.2018.
63. Vijayanandh R., **Monisha S., Nandhini S., Niranjandevi D and Nivedha J., "Secured image transmission using MIMO-OFDM Technique"**, 3rd international conference on Design, Analysis, Manufacturing and Simulation, at Saveetha School of Engineering College, Saveetha University, Chennai, on 06.04.2018 and 07.04.2018.
64. Manikandan A., **Jayashree J.,Karthika S.,Kowsika S P and Lathika V.,**

- "Performance analysis using web application by Student Information Management System"**, International Conference on Scientific Research and Innovations(ICSRI)1.0, at Chennai Institute of Technology, on 06.04.2018 and 07.04.2018.
65. Poovizhi S., **Monisha H., Nalini S., Parvathy N and Preethi D.**, **"Pesticide Sprayer and Temperature Monitoring Using Drones"**, 3rd international conference on Design, Analysis, Manufacturing and Simulation, at Saveetha School of Engineering College, Saveetha University, Chennai, on 06.04.2018 and 07.04.2018.
66. Sathish Kumar G., **Janani M., Konduru Sowjanya., Lalitha Jyothi M V S and Leela G S.**, **"Control of Furnace Temperature Using IOT"**, International Conference on Scientific Research and Innovations(ICSRI) 1.0 at Chennai Institute of Technology, on 06.04.2018 and 07.04.2018.
67. Dr.Gangatharan G and **Rohith Pranav.**, **"Monitoring the Conditions of Induction Motors, Hydraulic Oil Tank Level & Cut length of Sheet Metal using MQIT"**, International Conference on Scientific Research and Innovation -1.0 (ICSRI) held at Chennai Institute of Technology, on 06.04.2018 and 07.04.2018.
68. **Priya S.**, **"Renewable Electric Cars"**, 2nd National Conference on Data Science and Intelligent Information Technology, Rajalakshmi Institute of Technology, on 06.04.2018 and 07.04.2018.
69. Sk Hedayath Basha, **Vishnu Vardhan P, Kaladhar G, Nagaraj M.**, **"Security For Text Message By Using Elliptical Curve Cryptography"**, International Conference on Scientific Research And Innovation, at Chennai Institute of Technology ,Kancheepuram District , Tamil Nadu,on 06.04.2018 and 07.04.2018.
70. **Priya S.**, **"Renewable Electric Cars"**, National Conference on Information and Communication Engineering, at Sri Sai Ram Institute of Technology, on 18.04.2018.

STUDENT ACTIVITY (ACADEMIC-InSymposium, Workshop & Training-Participated)

1. **Swetha M., Sivaranjani R., Elayazhini P., Shema S and Shanmathi Preetha P.**, of III Year attended Workshop on **"Finance 360"** by SHAASTRA 2018, at IIT Madras, on 06.01.2018.
2. **Gayathri G., Karthikraja S., Aravind Kumar N., Nukala Aravind Gupta., Bharathi Prasad M., Cherukuri Easwar M., Dhanush Adithyan P R., Naga Sai Venkata Sai Manikanda G., Keerthi B., Kiran R., Nitesh Kumar J., Saranya R., Sundara Priyadarshini G., Vidhya Shree C., Vinod Kumar R., Elayazhini E., Harita J., Kavya S R., Kavya K S ., Malathi S., Sukavanniya J., Vijayalakshmi S and Yamini S.**, of II and III Year attended Five days workshop on **"Internet of Things"**, at Centre for Development of Advanced Computing(C-DAC), Taramani, Chennai, from 08.01.2018 to 12.01.2018.
3. **Rubaina Afreen A.**, of IV Year completed **"MATLAB Onramp self-placed training course"** by MathWorks Training Services, on 05.02.2018.
4. **Girish S., Karthikraja S., Manikandan B and Jayakrishnan V S.**, of III year Participated in **"JIT Hackathon #1.0"**, at Jeppiaar Institute of Technology, from 06.02.2018 to 08.02.2018.
5. **Parthasarathi P and Maharaja T.**, of III year participated in Workshop on **"Deep Learning**

- in **Image Processing and Computer Vision**", at Anna University, Chennai, from 07.02.2018 to 09.02.2018.
6. John Preetham A., Adarsh S., Ashwin M and Lavanya L., of III year participated in Workshop on "**Stock market by ENANTRA Entrepreneurship MantraVersion 2.0**", at Anna University, Chennai, on 09.02.2018.
 7. Gunasekaran Revathi., of II Year participated in "**PITCH FEST in ENANTRA 2018**", conducted by Centre for Entrepreneurship Development, at Anna University, Chennai, from 09.02.2018 to 10.02.2018.
 8. John Preetham A., Adarsh S., Ashwin M and Lavanya L., of II and III Year participated in Workshop on "**Digital Marketing**" by ENANTRA Entrepreneurship Mantra Version 2.0, at Anna University, Chennai, on 10.02.2018.
 9. Evangelin S and Abirami P L., of II Year participated in Workshop on **IoT**, at Saveetha Institute of Medical and Technical Science, on 21.02.2018.
 10. Lakshman Sivakumar D and Mohamed Rizwan M E., of II Year participated in Workshop on "**Illumination design using DIALUX**", at Hindustan Institute of Technology and Science, on 23.02.2018.
 11. Raja Sindhu A Monisha R Venkatesh Perumal Pranay C and Suryah V., of IV Year participated in National Technical Seminar on "**Future Technologies for COMBAT Vehicle Electronics**" and presented paper on Electronic Engine Speed Governor for Military Repair and Recovery Vehicle, at CVRDE, DRDO, Avadi, Chennai, on 23.02.2018.
 12. Karthikraj Srikanth., Lokesh V., Tarun S K and Vignesh S., of III Year, participated in Workshop on "**Machine Learning Techniques, Tools and Applications**", at Anna University, Chennai, from 23.02.2018 to 25.02.2018.
 13. Vinoth Kumar R and Vishnu C., of II Year participated in Paper Presentation in "**Technical Symposium**", at VIT, Vellore, from 23.02.2018 to 25.02.2018.
 14. Vishnu C., of II Year participated In "**Android App Development in Technical Symposium**", at VIT, Vellore, from 23.02.2018 to 25.02.2018.
 15. Manikandan B., Karthikraja S., Santhiya S., Swetha A., Jayasree D and Jayasree T., of III Year Participated in "**Exploring Patent Drafting and Filing Aspects**", at Prathyusha Engineering College, on 24.02.2018.
 16. Kohila T., Sunduru Sushma., Dhanalakshmi M., Lokanayagi A and Danya D., of III Year participated in Workshop on "**Hands-on Training in Design and Development of Printed Antennas**", at IITDM, Kancheepuram, on 24.02.2018.
 17. Ashwin M., Adarsh M and Ankush Sharma., of III Year Participated in "**WIT PAR CHARTAM, INSTANT ANALYZER**", at R.M.D Engineering College, on 26.02.2018.
 18. Kaushika G., Kavitha S., Kaushika G., Jayasree D and Jayasree T., of IV Year participated in **Paper Presentation** in Technical Symposium, at Panimalar Engineering College, on 28.02.2018.
 19. Rajesh Kumar S., Sanjay Kumar R and Naveen Kumar B., of III Year participated in **Paper Presentation** in Technical Symposium, at MIT, Chennai, from 02.03.2018 & 03.03.2018.
 20. Sravan Kumar S., Prem V V., Preetham V V and Sai Suresh K., of III Year participated in Workshop on "**Ethical Hacking**" in Technical Symposium, at MIT, Chennai, from 02.03.2018 & 03.03.2018.
 21. Sai Suresh K., Naveen Kumar B., Rajesh Kumar S., Sanjay Kumar R and Vignesh G., of III Year

- participated in Workshop on **"Mozilla"** in Technical Symposium, at MIT, Chennai, from 02.03.2018 & 03.03.2018.
22. **Parthasarathi P and Ravuri Bharath.**, of III Year participated in Workshop on **"Digital Image Processing"**, in Technical Symposium, at MIT, Chennai, from 02.03.2018 & 03.03.2018.
 23. **Vignesh C., Sangeetha K., Sridhar S G., Saranya R., Perezhil N M., Tamilarasi SA., Aishwaryashri D., Nowshith Parveen N., Gayathri D., Abirami R., Gayathri G., Gurulakshmi V., Shahira Banu A and Shamini P.**, of III Year participated in Workshop on **"Cyber Security and Mobile Communication"**, at Anna University ,Chennai, on 03.03.2018.
 24. **Dhanya D and Sangeetha P.**, of III Year Participated in **"Intra Department Mini Project Contest"**, at RMKCET, on 03.03.2018.
 25. **Malathi S., Maithriyee U., Kavya K S., Kaviya S R., Nallathambi Raja N., Mukesh C., Sundaram T., Vincent Vinoth Raj S., Yashwanth B and Yogesh Raj C.**, of III Year participated in **"Kani Tamil Peravai"**, at RMKCET, in March 2018.
 26. **Prem Kumar., Ravishankar N., Pavan K and Pavan G.**, of II Year Participated in **"Devspace 18 -A Developers Conference"**, at VIT, Vellore.
 27. **Sushmitha J and Shamala Devi G.**, of II Year Participated in **"3D printing Workshop and Technical Quiz"**, at Eswari Engineering College, from 12.03.2018 & 13.03.2018.
 28. **Thivya J.**, of III Year Participated in **"IET PATW Competition Zonal Level"**, at Saveetha School of Engineering, on 15.03.2018.
 29. **Swetha A.**, of III Year Participated in **"Paper Presentation and Technical Quiz"**, in 17th ISTE TN Section annual convention of Engineering students 2017, at Tagore Engineering College, on 10.04.2018.
 30. **Vignesh S.**, of III Year Completed course on **"Embedded Systems"**, at Bangalore, from May to June 2018.
 31. **Srilekha G D and Suganyaa Sree A B.**, of II Year participated in Workshop on **"Networking"**, at Chennai, on 03.06.2018.
 32. **Sravan Kumar.**, of III Year Completed course on **"SQL Fundamentals"**, on 12.06.2018.
 33. **Swetha A.** of III Year Completed **"miniproject in Arduino"**, conducted by UNIQU Technologies, at Chennai.
 34. **Swetha A.**, of III Year participated in Workshop on **"Arduino conducted by UNIQU Technologies"**, at Chennai, on 14.06.2018.
 35. **Shamaladevi G., Apoorva N., Jayashree D., Jayashree T., Karthikraja S and Jayakrishnan V S.**, of ECE Participated in **"Hardware edition Grand Finale Smart India Hackathon 2018"**, from 18.06.2018 to 22.06.2018.
 36. **Sudharsan G P, Gowtham P, Sanjana S, Suryah V, Sudharsan S, Sakshi Jain S.**, of ECE Participated in **"Smart INDIA Hackathon 2018 Hardware Edition"**, at IIT-Guwahati, from 18.06.2018 to 22.06.2018.
 37. **Sridhar S G., Sangeetha P and Santhiya S.**, of III Year and IV Year Participated in **"Start-Up Mentorship Program "**, by AICTE, at New Delhi, India, on 25.06.2018 and 26.06.2018.

STUDENTS ACTIVITY (ACADEMIC-

Laurels Won):

1. **Jayakrishnan V S.**, of III Year Participated in **National level Project Competition RACKET-2017 and won II PRIZE**, at RMKCET, on 27.02.2018.

2. Yamani V and Thivya J., of III Year participated and **Won I prize** in **EARD WARAQUA Paper Presentation** in National Level Technical Symposium, at Chennai Institute of Technology, on 01.03.2018.
3. Syed Ali Fathima., Sravani U and Sri Sravani V., of II Year Participated in **Intra Department Mini Project Contest** and **won I Prize**, at RMKCET, on 03.03.2018.
4. Hemachitra V., Gunasekaran Revathi., Lavanya L and Abirami R., of II Year Participated in **Intra Department Mini Project Contest** and **won II Prize**, at RMKCET, on 03.03.2018.
5. Arava Jithender., Bhaswanth Taluchuru., Gadamsetty Naga Venkata Sai Manikanda and Gottumukkala Vishnu Sai., of II Year Participated in **Intra Department Mini Project Contest** and **won III Prize**, at RMKCET, on 03.03.2018.
6. Girish S., Karthikraja S., Manikandan B., Jayakrishnan V S., of III Year Participated in **Intra Department Mini Project Contest** and **won I Prize**, at RMKCET, on 03.03.2018.
7. Arundhathi B., Abishag Deva Kirubai A., Davilluru Charishma., of III Year Participated in **Intra Department Mini Project Contest** and **won II Prize**, at RMKCET, on 03.03.2018.
8. Dinesh Kumar M., Abhishek K V., Aravetti Rupesh and Kaki Saichaithanya., of III Year Participated in **Intra Department Mini Project**

Contest and **won II Prize**, at RMKCET, on 03.03.2018.

9. Sudharsan G P., Gowtham P., Dakshitha D Jain., Suryah V., Sudharsan S and Sakshi Jain S., of IV Year Participated in **Software edition Grand Finale Smart India Hackathon,2018** and **won 1st Runner up with cash award of Rs.75,000/-** TEAM NAME: The Techie tribes, at Jaipur College of Engineering and Research Centre, Jaipur, on 30.03.2018 and 31.03.2018.

STAFF ACTIVITIES:

STAFF AWARDS:

- **Dr. Praveena N G., Asso. Prof.**, has received, **"Outstanding Woman in Engineering"**, from Venus International Foundation, at Vijaya Park, Chennai, on 03.03.2018.



- **Dr. Arun C., Prof.**, has received **"Young Researcher (Male) Award"**, by The 3rd South Indian ASDF (Association of Scientists, Developers and Faculties) Awards (SIAA) 2018

in a press conference, at Bangalore, Karnataka, India. 07.04.2018.



- **Dr. Gangatharan N., Prof.,** has received "**Best Administrator-2017**", by Dr. Kalam Educational Trust for Tribal, at Dr.N.G.P.Arts and Science College, Coimbatore on 12.05.2018.
- **Dr. Inbamalar T M., Prof.,** has received "**Young Women Scientist -2017**", by Dr. Kalam Educational Trust for Tribal, at Dr.N.G.P.Arts and Science College, Coimbatore on 12.05.2018.

ATTENDED SEMINAR, WORKSHOP, Training & FDP:

1. **Dr. Shanthi K G., Prof., Mr. Babu M., Asst. Prof., and Ms. Sangeethalakshmi K., Asst. Prof.,** attended Two days workshop on "**Embedded System design flow on Zynq using Vivado**", at MIT, Anna University, on 05.01.2018 and 06.01.2018.
2. **Mr. Manikandan A., Asso. Prof.,** attended Five days workshop on "**Internet of Things**", at Centre for Development of Advanced Computing (CDAC), Taramani, from 08.01.2018 to 12.01.2018.
3. **Mr. Kumar T., Asst. Prof.,** attended Five days seminar on "**Deep Learning Techniques and tools for medical applications**", at Mepco Schlek Engineering College, from 16.01.2018 to 20.01.2018.
4. **Dr. Gangatharan N., Prof., and Dr. Arun C., Prof.,** attended Two Days Conclave on "**Design Education for creating values and driving business growth**", at ICSR Building, IIT Madras, on 19.01.2018 and 20.01.2018.
5. **Mr. Vijay Anandh R., Asso. Prof.,** attended Two days National Level seminar on "**Technological Evolution in Sensor Equipment for Medical Application**", at Nandha Engineering College, on 08.02.2018 and 09.02.2018.
6. **Ms. Dhivya K., Asst. Prof.,** attended Two days Workshop on "**Internet of Things**", at MIT, Anna University, on 23.02.2018 and 24.02.2018.
7. **Mr. Babu M., Asst. Prof.,** Participated in Software edition Grand Finale "**Smart India Hackathon**", 2018 and won 1st Runner up with cash award of Rs.75,000/- (TEAM NAME: The Techie Tribes) at Jaipur College of Engineering

and Research Centre, Jaipur on 30.03.2018 and 31.03.2018.

8. **Mr. Sudharsanam V., Asst. Prof.,** attended National level seminar on **“Quality enhancement in teaching Methodology in Higher Education for Prospective Employability”**, at VIT, Chennai Campus, on 18.04.2018.
9. **Mr. Karthikeyan C., Asst. Prof.,** attended Faculty Development Training Programme on **“Embedded Systems And VLSI Design”**, at Government College of Engineering, Salem, from 09.05.2018 to 15.05.2018.
10. **Mr. Babu M., Asst. Prof.,** attended a Six Days Workshop on **“CAD Tools with FPGA”**, at Mepco Schlenk Engineering College, from 20.05.2018 to 25.05.2018.
11. **Mr. Karthikeyan C., Asst. Prof.,** attended Nine Days Faculty Development Training Programme on **“EC6703 Embedded And Real Time Systems”**, at Panimalar Institute of Technology, from 24.05.2018 to 01.06.2018.
12. **Mr. Muthumanickam S., Asso.Prof., Ms.Chettiyar Vani Vivekanand Asst. Prof., and Mr. Karthikeyan C., Asst. Prof.,** attended a Workshop on **“Pursuing Emerging technologies”**, at Cognizant Technology Solutions India Pvt. Ltd. MEPZ, Chennai, on 26.05.2018.
13. **Ms. Ciyamala Kushbu S., Asst. Prof., Ms. Saranya L., Asst.prof., and Ms.Chettiyar Vani Vivekanand Asst. Prof.,** attended Seven days Faculty Development Training Programme on **“EC6303 Signals & Systems”**, at Madras Institute of Technology, Chrompet, from 28.05.2018 to 03.06.2018.
14. **Ms. Manju M., Asst. Prof.,** attended Seven days Faculty Development Training Programme **“EC6504 Microprocessors And Microcontrollers”**, at Anna University, CEG Campus, Guindy, from 30.05.2018 to 05.06.2018.
15. **Mr. Kannan K.,Asso. Prof.,** attended Seven days FDP on **“Microprocessor and Microcontroller-EC6504”**, at R.M.K College of Engineering and Technology, from 30.05.2018 to 05.06.2018.
16. **Ms. Manju M., Asst. Prof.,** attended Two days workshop on **“CAD of Microwave Integrated Circuits”**, at National Institute of Technology, Trichy, on 09.06.2018 and 10.6.2018.
17. **Ms. Indumathy T., Asso. Prof.,** attended Three Days Workshop on **“Antenna Design and its applications Using LabView”**, at Prathyusha Engineering College, from 11.06.2018 to 13.06.2018.
18. **Mr. Jaiganesh S., Asst. Prof.,** Participated in **“Smart INDIA Hackathon 2018”**, Hardware Edition at CSIR, Chandigarh, from 18.06.2018 to 22.06.2018.
19. **Mr. Babu M., Asst. Prof.,** Participated in **“Smart INDIA Hackathon 2018”**, Hardware

Edition, at IIT-Guwahati, from 18.06.2018 to 22.06.2018.

20. **Mr. Sathyaraj P., Asst. Prof.**, attended Two Days Training on **"Start-up Mentorship Program"**, at AICTE, New Delhi, on 25.06.2018 and 26.06.2018.

GUEST LECTURE BY STAFF

- **Dr.Praveena N G., Asso. Prof.**, gave lecture on, **"Electronics Circuits-II"**, at Gojan School of Business and Technology, on 12.02.2018.
- **Dr.Gangatharan N., Prof & Head** gave keynote address on **"Antenna and Wave Propagation"** in the International Conference on Innovation in signal Processing and Communication, at ARM College of Engineering and Technology, on 03.03.2018 and 04.03.2018.

BOOKS AUTHORED:

- **Mr. Manikandan A., Asso. Prof.** has published a book titled **"Principles of DSP"**, as per Anna University R-2013 for V Sem students in the year 2018.
- **Dr.Arun C., Prof. Mr.Jaiganesh S., Asst. Prof. Mr.Manikandan A., Asso. Prof.** have published a book titled **"Cognitive Radio"**, as per Anna University R-2013 for VII Sem ECE students in the year 2018.

PAPERS PUBLISHED IN JOURNAL:

1. **Inbamalar T M.,** Apoorva N., Akshayaa T M., GokulPooja C., Jayashre T and Jayashree D., **"An improved Artificial Electrolarynx"**, International Journal of Pure and Applied Mathematics, Volume 118, No.18, pp.3389-3396,2018. **(Scopus indexed).**
2. **Shaik Hedayath Basha.,** Karthik U., Mahendra D., Sai Harsha M and Nirmal Raj E.,**"Video Watermarking using DWT and Elgamal for Authentication and Security"**, SSRG International Journal of Electronics and Communication Engineering (SSRG-IJECE) Volume5 Issue 1, Jan 2018.
3. **Muthumanickam S and Arun C.,** **"An efficient blind detection watermarking algorithm using range conversion method"**, Micro System Technologies, Springer Publications, Vol 24(03), ISSN: 0946-7076, pp 1565-1575 ,Mar 2018. **(Web of Science, IF 1.195)**
4. **Poovizhi S., Gangatharan N** and Elakhya N., **"A Survey on Surveillance Video Synopsis Techniques"**, International Journal of Pure And Applied Mathematics, Volume 118 No. 10, 2018, 249-258.
5. **Muthumanickam Shanmugam and Arun Chokkalingam.,** **"Performance Analysis of 2 level DWTSVD Based Non Blind and Blind Video Watermarking Using Range Conversion Method"**, Microsystem

Technologies, ISSN 0946-7076, DOI 10.1007/s00542-018-3870-x. **(Web of Science, IF 1.195)**

Volume5, Issue4, pp.226-230, ISSN NO: 2394-8442, April 2018.

6. **Vijayanandh R.**, Monisha S., Nandhini S., Niranjandevi D and Nivedha J., **"Secured Image Transmission using MIMO-OFDM Technique"**, International Journal of Pure and Applied Mathematics (IJPAM) , in Vol. 118, No. 21B, April 2018.**(Scopus indexed)**

11. **Dr.Shanthi KG., Manikandan A., Sesha Vidhya S.**, Venkatesh Perumal Pranay Chandragiri, Sriram T M and Yuvaraja K B., **"Design of Low Cost and Efficient Sign Language Interpreter for the Speech and Hearing Impaired"**, ARPN Journal of Engineering and Applied Sciences Vol. 13, No. 10, ISSN 1819-6608, May 2018 **.(Scopus indexed)**

7. **Ciyamala Kushbu S.**, Rishikesh A T., Vignesh P and Vignesh P., **"Automatic Energy Meter Monitoring System Using IOT"**, International Journal of Advance Research in Science and Engineering , Vol No .(07),Special Issue No.(02),March 2018.

12. **Jai Ganesh S.**, Avenash., Bharathi., Amudham Prakash Reddy and Harihara Sudhan, **"Electronic Toll Collecting System Using QR Code and RFID Registration"**, International Journal of Advanced Research in Dynamical and Control Systems(JARDCS) Vol. 10, 03-Special Issue, Mar 2018.**(Scopus indexed).**

8. **Ciyamala Kushbu S.**, Balaji V., Ajithkumar P., Gunasekar N and Kiren Ananth., **"Forgery Detection in Documents"**, SSRG International Journal of Electronics and Communication Engineering, ISSN:2348-8549,pp 41-16, April 2018.

13. **Babu M.**, Indiradevi R., Hemavathy V., Hemamalini C and Manju S., **"Forest Fire Detection And Alert System"**, International Journal of Science and Innovative Engineering & Technology, Vol. 3, May 2018.

9. Sriram TM., Yuvaraja K B and **Gangatharan N.**, **"Automatic Shutdown of Electronic Devices"**, IAETSD-JARAS Journal for Advanced Research in Applied Sciences, Volume 5, Issue 4, pp.190-195, ISSN NO: 2394-8442, April 2018.

14. **Babu M.**, Dakshita Jain D., Sanjana S and Reshma CP, **"Health Monitoring System of Tsunami Boys"**, International Journal of Science and Innovative Engineering & Technology, Vol. 1, May 2018.

10. **Shaik Hedayath Basha**, Srinivasan, Sunil Kumar, Venkat Mahesh and Susheil Natraj, **"Railway LI - FI"**, IAETSD- JARAS Journal For Advanced Research in Applied Sciences

15. **Muthumanickam S.**, Gayathri J and Eunice Daphne J., **"Parkinson's Disease Detection**

And Classification Using Machine Learning And Deep Learning Algorithms– A Survey", International Journal of Engineering Science Invention (IJESI), ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726, Volume 7 Issue 5 Ver. 1 ,PP 56-63, May 2018.

**PAPERS PUBLISHED IN
CONFERENCE:**

1. **Dr.Inbamalar T M.,** Apporva N., Akshaya T., Jayashree D., Jayashree T., and Gokul Pooja C., **"An improved Artificial Electrolarynx"**, International Conference on Inventive Computing Systems and Applications, Inventive Research Organization at hotel IBIS, Pattaya, Thailand(Through Skype), on 29.01.2018 & 30.01.2018.
2. **Indumathy T.,** Hariprasad P S., Anbarasan V N., Gokul Raj V and Gowri Shankar J., **"Waste Disposal Between Tracks Using Robot"**, 7th National Conference on Recent Advancements in signal Processing and Communications (NCRASPC -2018) at R.M.K.C.E.T ,Puduvoyal Chennai, on 26.02.2018.
3. **Nimitha N.,** Paninila B., Pavithra B., Pavithra V P and Puvaneshwari A S., **"Chromosomes Classification and Anomaly detection by using Machine Learning Algorithms"**, 7th National Conference on Recent Advancements in Signal Processing and Communications, at R.M.K College of Engineering and Technology, Chennai, on 26.02.2018.
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5. **Dr.Shanthi K G.,** Swetha A., Santhiya S and Sangeetha P., **"Lidar Based Coast Guard Alert System and Cost Efficient GPS Alert system for Fishermen Safety"**, 7th National Conference on Recent Advancements in signal Processing and Communications (NCRASPC - 2018), at R.M.K.C.E.T,Puduvoyal Chennai on 26.02.2018.
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 9. **Dhivya K and Arun C.**, "**Establishing Device to Device Communication Under Cellular Architecture**", IEEE Conference on Emerging Devices and Smart Systems(ICEDSS 2018), at Mahendra Engineering College (Autonomous), Thiruchengode, on 02.03.2018 and 03.03.2018.
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50. **Kannagi V.**, Dhava Sahnmitha K., Enidha A., Ashika P and Balreddy Rajitha., **"Microstrip patch Antenna as a Sensor for Breast Cancer Detection"**, Second International Conference on Power Electronics and Renewable Energy Systems", at Rajalakshmi Engineering College, on 04.04.2018.
51. **Arthi Devarani P.**, Saranya E., Shanthi Priya E and Vinisha N., **"Automatic Forest Tree Protection using Robotics"**, International Conference on Power Electronics and Renewable Energy Systems, at Rajalakshmi Engineering College, on 04.04.2018.
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60. **Manikandan A.**, Jayashree J.,Karthika S., Kowsika S P and Lathika V., **"Performance analysis using web application by Student Information Management system"**, International Conference on Scientific Research And Innovations(ICSRI)1.0 at Chennai Institute of Technology, on 06.04.2018 and 07.04.2018.
61. **Dr.Gangatharan G** and Rohith Pranav, **"Monitoring the Conditions of Induction Motors, Hydraulic Oil Tank Level & Cut length of Sheet Metal using MQIT"**, International Conference on Scientific Research and Innovation -1.0 (ICSRI), at Chennai Institute of Technology, on 06.04.2018 and 07.04.2018.
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63. **Sk Hedayath Basha**, Vishnu Vardhan P, Kaladhar G, Nagaraj M., **"Security For Text Message By Using Elliptical Curve Cryptography"**, International Conference on Scientific Research And Innovation, at Chennai Institute of Technology, Kancheepuram District, Tamil Nadu, on 06.04.2018 and 07.04.2018.

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