



AMET
ACADEMY OF MARITIME EDUCATION AND TRAINING
DEEMED TO BE UNIVERSITY
(Under Section 3 of UGC Act 1956)

ELECTRO MARINE

NEWSLETTER

DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING

June 2018 – December 2018

ABOUT THE UNIVERSITY

AMET is India's first Deemed to be University in Maritime Education which is ranked as 3rd among Maritime Universities of the World in the PIMET (Performance Indicators in Maritime Education and Training) Ranking of International Association of Maritime Universities (IAMU). Established during 1993, AMET's uncompromising strides of excellence in the field of maritime education and training laced with its capacity to feed the global shipping industry with an unrivalled maritime human resource secured it to have many national and international recognitions, accreditations and rankings such as NAAC, NIRF, ARIIA, DGS-CIP, PIMET etc.

AMET serves as an ocean of knowledge for over 4000 students pursuing Programmes ranging from diploma to Doctoral programs through 9 schools and 23 intensive research and training centers for marine and marine related activities. Equipped with an excellent infrastructure for research and development, co-curricular and extracurricular activities AMET secured its compliance certificate for ISO 9001:2015 QMS standards from the prestigious and globally renowned DET NORSKE VERITAS, Norway.

For over two decades AMET is remaining as the favourite destination for campus interviews by many shipping giants such as AP MOLLER MAERSK, GOODWOOD, NYK, SONANGOL, VSHIPS, WALLEMS, SHELL, CHEVRON, STENA and so goes a list of over 100 companies. Besides positions onboard, AMET Business school graduates have secured lucrative jobs in commercial shipping sectors such as chartering and ship broking. Never the less, Naval architecture, petroleum engineering, harbor engineering, marine electrical and electronics engineering graduates have successfully walked away from AMET with jobs offering sumptuous packages along with an opportunity to grow and glow in their career swiftly. Needless to say about the entrepreneurship development activities nurtured into AMET'ians has been found rewarding by students who are chief executive officers of their own organization.

VISION AND MISION OF THE UNIVERSITY

VISION

To sustain identity as a World Class Leader in Maritime Education and empower learners with wholesome knowledge through progressive innovation in training, research and development which will render students a unique learning experience and a transformation impact on the Global Society.

MISION

AMET will strive continuously to

- ❖ Impart value-based higher education and technical knowledge with uncompromising strides of an outstanding quality.
- ❖ Emerge as a Centre of Excellenceinculcating skill development in recent technologies in accordance with industrial trends.
- ❖ Create World class research capabilities on par with the finest in the world and broaden student's horizons beyond classroom education.
- ❖ Nurture talent and entrepreneurship to enable all round personality development among students.
- ❖ Empower studentsacross socio economic strata
- ❖ Make a positive difference to society through technical education.

ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering is constituted and administered to provide a professional atmosphere for scholars, students, educators and engineers to enrich the discipline of Electrical, Electronics and Marine Engineering. The Department offers a well-balanced undergraduate Electrical and Electronics Engineering -Marine program and postgraduate M-E (Power Systems) program and PhD- Electrical and Electronics Engineering program of technological and scientific study designed to serve the professional needs of the baccalaureate.

The Department gives opportunity to learn marine related courses for the students and pursue studies related to the scientific concepts, technological advancements and design principles of Electrical and Electronics Engineering pertaining to Onshore and Offshore applications as well. This programme is designed to enable the Engineers coming out of the stream to work on board the ship as Electrical Engineers. Jobs with shipyards, dry docks, ship machinery manufacturers are some of the other fields they can look into.

ESTABLISHMENT:

Department of Electrical and Electronics Engineering is established in the year 2008 with the objective of imparting quality education of international standards and to produce highly innovative Marine Electrical and Electronics Engineers capable of solving global maritime challenges. Since its inception in the year 2008, the Department has grown steadily and acquired the present shape with excellent infrastructure, modern equipment for the laboratories and qualified and dedicated faculty to impart sound technical knowledge to the enthusiastic student community. As on date, the Department has successfully produced four batches of talented graduates who are serving in prestigious shipping industries and organizations.

The Department offers 4 years U.G program in EEE-Marine, PG program in M-E (Power Systems) and PhD in interdisciplinary Engineering domains. The Department is headed by Dr.T. Sasilatha, Professor and Dean and supported by a team of well qualified, experienced and dedicated faculties. The Specialization of staff members span around major areas in Electrical and Electronics Engineering including Marine Automation, Power Systems, Electronic

Navigation Systems, Offshore Energy Systems, Electrical machines, Energy studies, Control Systems, Power Electronics, Applied Electronics, Embedded Systems, Electrical Drives and VLSI Design.

PROGRAMS OFFERED:

- B.E - Electrical and Electronics Engineering-Marine – 4 Years
- M.E - Power Systems – 2 Years
- Ph.D – Electrical and Electronics Engineering, Interdisciplinary Domains (Full time and Part time)

VISION AND MISSION OF THE DEPARTMENT

VISION

To emerge as a Centre for higher learning and research through development of highly competent, innovative and world class Marine Electrical and Electronics Engineers while remaining sensitive to ethical, societal and environmental issues.

MISSION

- ❖ To impart quality education in order to produce highly innovative, socio- economically conscious Marine Electrical and Electronics Engineers.
- ❖ To provide knowledge and skills, that is essential to meet the local and global demands in Marine Electrical and Electronics Engineering.
- ❖ To upgrade student's technical knowledge through industry interaction activities.
- ❖ To foster strong ethics, positive attitude and transform the Department into Centre of Excellence by promoting world class research and development to meet the challenging needs of society.
- ❖ To motivate and guide students for developing entrepreneurship or pursue higher education and train them for overall personality development.

We ourselves feel that what we are doing is just a drop in the ocean. But the ocean would be less because of that missing drop

- **Mother Teresa**

DEAN'S MESSAGE



Dr. T. SASILATHA M.E, Ph.D.

The Department newsletter is one the wonderful presentation of the Department regarding the achievements and participations of the faculty and the students. The Newsletter gives all the details of the activities undergone in the Department during the period from June 2018 –December 2018. I appreciate the faculty, students and supporting staff for their tireless efforts and contributions to the various activities held in the Department.

CONTENTS

1. Department Activities
2. Professional Society Activities
3. Industry - Institute Activities
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5. Research and Development Activities
6. Extension and Community Services

DEPARTMENT ACTIVITIES

INTERNATIONAL CONFERENCE

Two days International Conference on **Innovations and Research Marine Electrical and Electronics Engineering** (ICIRMEE 2018) was conducted on 27.09.2018 and 28.09.2018. The chief Guest was Prof. Abdul Hameed Al -Hashem, Senior Researcher, PRC, Kuwait. The Guest of Honour was Prof. Gurmeet Singh, Vice-Chancellor, Pondicherry University.



WORKSHOPS ORGANIZED IN THE DEPARTMENT

The Department regularly organizes National Workshop for the students and faculty members to expose them to emerging areas. Two days Workshop on Hands-on Training on BIPED Walking Robot for Industrial Application was conducted on 30.08.2018 and 31.08.2018 by Electronics Platform Research Labs, Chennai. The session was delivered by



Mr. R. Purushothaman, CEO/ Founder, Electronics Platform Research Labs.



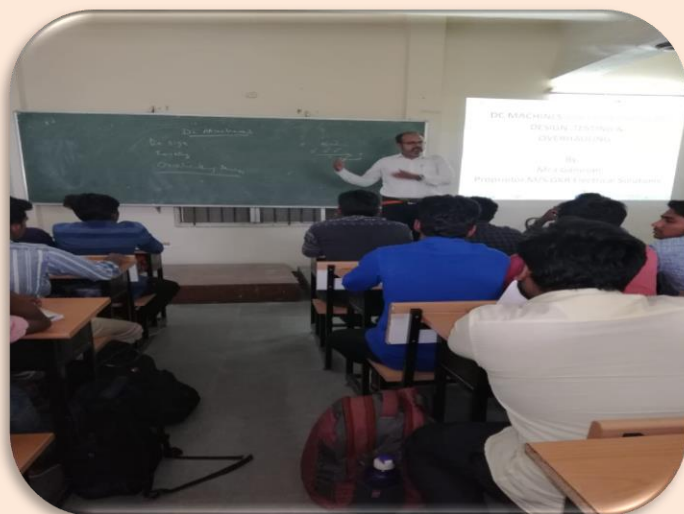
Two days workshop on Hands-on Training on Internet of Things using Raspberry Pi was conducted on 7.09.2018 and 8.09.2018 by IFANDFOR ENDEAVOURS, Chennai. The Session was delivered by Mr. Kalidas, Founder and Director the company

PROFESSIONAL SOCIETY ACTIVITIES

GUEST LECTURE ORGANIZED

The department organizes lectures on the latest areas by experts from industries and reputed Universities.

S. No	Name of the Resource person	Topics	Year
1	Er. B. Srinivasan, Senior Manager, TANGEDCO, Chennai	Solutions in harnessing the renewable energy for power generation	20.08.2018
2	Er .B. Muthuraj, Senior Manager, HP Private Limited, Chennai	IoT based Embedded system	14.09.2018
3	Er. B. Srinivasan, Senior, Manager, TANGEDCO, Chennai	Industry 4.0	17.09.2018
4	Dr.,S.Kumar, Ph.D, AEE, CEDC, TANGEDCO, West Chennai	Mitigation of issues in power High voltage Engineering	27.09.2018
5	Mr. Hariharan, Powersys, Chennai.	Marine Electrical System Design and Layout	15.11.2018
6	Mr. Murugan, Engineering& Project Development, SANDS, Chennai	Embedded System Design	16.11.2018
7	Mr. C. Jayashankar, Scientist – E, CVRDE, DRDO, Avadi, Chennai.	Electrical Estimation and Wiring	20.11.2018



**Lecture on Dc Machines and Transformers-Design, Testing & Overhauling for II Year
EEE Students on 26.11.2018.**



Guest Lecture on Design, Development Innovation and Entrepreneurship for Electrical Engineer for II Year and III Year EEE Studentson 5.9.2018.



**Guest Lecture on Embedded Systems for IV Year EEE Students ON 16-11-2018.
Resource person: Mr. Murugan, Engineering & Project Development, SANDS, Chennai**

INSTITUTE -INDUSTRY INTERACTIONS

BENEFICIARY ACTIVITIES UNDER MOU'S

S.No	MoU partner	Activity under MoU	Topics	Year
1	Signals Systems (India) Pvt Ltd, Chennai-603103.	Industrial visit	Embedded design and Product	Aug 2018
2	Electronics Platform Research Lab, Chennai	National workshop	Hands on training on BIPED walking	Aug 2018
3	Electronics Platform Research Lab, Chennai	Incubation Centre	Training for Students	Sept 2018
4	Electronics Platform Research Lab, Chennai	Value Added Training Program	Product development	Nov 2018
5	Equinox Pristine Info Solutions, Chennai-600054.	Faculty Development Program	Ethical Hacking and Cyber security	Sept 2018
6	Signals Systems (India) Pvt Ltd, Chennai-603103.	Industrial visit	Embedded design and Product Development	Aug2018
7	Signals Systems (India) Pvt Ltd, Chennai-603103.	Guest lecture	Machine learning using PYTHON	Nov 2018
8	Yokogawa India Limited Chennai-600034	Guest Lecture	Industrial Instrumentation	Aug 2018

STUDENTS INTERNSHIP DETAILS

S. No	Company Name	Date of Visit	No. of Students
1	Paradip Port Trust, Odisha	01.06.2018 to 15.06.2018	1
2	NSIC Technical Services Centre.Chenna	18.12.2018 to 30.12.2018	4

INDUSTRIAL VISIT

Sl. No	Place of Visit	Date of Visit	No. Of. Students
1	I.P.L Products, Chennai	31.08.2018	47
2	Signal and System (India) Pvt. Ltd, Chennai	31.10.2018	24
3	BSNL Meenambakkam, Chennai	15.11.2018	75



Second Year Industrial Visit to I.P.L Products



Final Year students Visit to Signals and Systems Pvt.Ltd,Chennai

STUDENTS ACHIEVEMENTS

S.No	Name	Title	Event Place
1	P. Dhanasekar	International Conference on Recent Engineering and Technology ICRET2019	New Horizon College of Engineering, Bengaluru
2	S. Viknesh	International Conference on Recent Engineering and Technology ICRET2019	New Horizon College of Engineering, Bengaluru
3	K. Balamurugan	4 th Indian Society of Systems for Science and Engineering (ISSE) National Conference INAC- 2019	Space Application Centre(SAC), Ahmedabad
4	P. Dhanasekar	International Conference on Sustainability Management of Advanced Renewable Energy Technologies (ICSMARET 2019)	Aarupadai Veedu Institute of Technology (Deemed to be University), Chennai
5	S. Viknesh	International Conference on Sustainability Management of Advanced Renewable Energy Technologies (ICSMARET 2019)	Aarupadai Veedu Institute of Technology (Deemed to be University), Chennai
6	R. Dinesh	International Conference on Sustainability Management of Advanced Renewable Energy Technologies (ICSMARET 2019)	Aarupadai Veedu Institute of Technology (Deemed to be University), Chennai
7	P. Dhanasekar	International Conference on Intelligence in Computation, Communication and Robotics (ICICCR 2019)	Bharath Institute of Higher Education and Research (Deemed to be University, Chennai
8	S. Viknesh	International Conference on Intelligence in Computation, Communication and Robotics (ICICCR 2019)	Bharath Institute of Higher Education and Research (Deemed to be University, Chennai
9	R. Dinesh	International Conference on Intelligence in Computation, Communication and Robotics (ICICCR 2019)	Bharath Institute of Higher Education and Research (Deemed to be University, Chennai
10	G. Aagash	National Conference on Cutting Edge Innovations in Engineering and Technology [CEIET- 2019	Cheran College of Engineering, Karur

STUDENT PARTICIPATION IN PROJECT EXPO

S. No	Name of the Student	Prize/Participation	Title	Place of Event
1	Aagash G	1 st Prize in Project Expo	Symposium ELECXA 2K19	SRM Institute of Science and Technology Ramapuram Campus, Chennai
2	Viknesh S	1 st Prize in Project Expo	Symposium MECHGUST 2K19	Chennai Institute of Technology, Chennai
3	Viknesh S	2 nd Prize in Project Expo	Symposium AADHARA 2K18	SA Engineering College, Chennai
4	Jain James	Participation	Symposium SPARCADEUS 2K18	Dhanalakshmi Srinivasan College of Engineering and Technology, Chennai
5	Amuthan. A	Participation	Symposium SPARCADEUS 2K18	Dhanalakshmi Srinivasan College of Engineering and Technology, Chennai
6	Kulkarni Mahima Rajesh	Participation	Symposium SPARCADEUS 2K18	Dhanalakshmi Srinivasan College of Engineering and Technology, Chennai

STUDENT PARTICIPATION IN TECHNICAL SYMPOSIUM

S. No	Name	Prize/Participation	Title	Event Place
1	P. Dhanasekar	1 st Prize in Technical Quiz	Symposium SHILANYA 2K19	JNTUA College of Engineering, Chittoor, AP
2	S. Viknesh	2 nd Prize in Technical Quiz	Symposium SHILANYA 2K19	JNTUA College of Engineering, Chittoor, AP
3	K. Balamurugan	Best Paper Award in Paper Presentation	Symposium	Govt.college of Engg. Salem
4	Mohammed Najeem	Best Paper Award in Paper Presentation	Symposium	Govt.college of Engg. Salem
5	Aagash G	2 nd Prize in Debugging Contest	Energy Tech Fest De'Oleum 2018	Dhaanish Ahmed College of Engineering, Chennai
6	Brijesh C R	2 nd Prize in Coding Contest	Symposium ELECXA 2K19	SRM Institute of Science and Technology Ramapuram Campus, Chennai

7	Mohammed Najeem	Participation	Symposium	Government College of Engineering, Salem
8	Balamurugan K	Participation/ (Coding Contest)	Symposium ELECXA 2K19	SRM Institute of Science and Technology Ramapuram Campus, Chennai
9	Balamurugan K	Participation/ Debugging Contest)	Symposium ELECXA 2K19	SRM Institute of Science and Technology Ramapuram Campus, Chennai
10	Jaya Surya G	Participation/ (Coding Contest)	Symposium MECHGUST 2K19	Chennai Institute of Technology, Chennai
11	Purushothaman N	Participation/ Debugging Contest)	Symposium MECHGUST 2K19	Chennai Institute of Technology, Chennai
12	I Hasheem Shariff	Participation/ Bob The Builder (Web Designing)	Symposium MECHGUST 2K19	Chennai Institute of Technology, Chennai
13	Abhishek M Deepak	Participation	Energy Tech Fest De'Oleum 2018	Dhaanish Ahmed College of Engineering, Chennai
14	Udhayakumar A	Participation	Energy Tech Fest De'Oleum 2018	Dhaanish Ahmed College of Engineering, Chennai
15	Veerapathiran M C	Participation/ Debugging Contest)	Symposium AADHARA 2K18	SA Engineering College, Chennai
16	Manoj C K	Participation	Symposium ELECXA 2K19	SRM Institute of Science and Technology Ramapuram Campus, Chennai
17	Aagash G	Participation	Symposium ELECXA 2K19	SRM Institute of Science and Technology Ramapuram Campus, Chennai
18	Nirmal Kumar B	Participation	Symposium ELECXA 2K19	SRM Institute of Science and Technology Ramapuram Campus, Chennai

STUDENT PARTICIPATION IN WORKSHOP/SEMINAR

S. No	Name	Title	Event Place
1	M S Mohammed Azhair	Workshop (Ethical Hacking)	IIT, Madras
2	R Hemanth Raj	Workshop (Ethical Hacking)	IIT, Madras
3	M S Mohammed Azhair	Workshop	Anna University, College of Engineering, Guindy, Chennai
4	B Naveen	Workshop on Design of Renewable Energy Systems	Anna University, College of Engineering, Guindy, Chennai
5	N Mohammed Yaseer	Workshop on Design of Renewable Energy Systems	Anna University, College of Engineering, Guindy
6	K. Balamurugan	Workshop	VIT, Chennai
7	K. Balamurugan	Workshop	Anna University, Chennai
8	K. Balamurugan	Workshop	Anna University, Chennai
9	Mohammed Shuaib.K	Workshop	Anna University, Chennai
10	M S Mohammed Azhair	Workshop (Smart Grid using IOT)	Government College of Engineering, Salem
11	S Viknesh	Workshop (Smart Grid using IOT)	Government College of Engineering, Salem
12	B Nirmal Kumar	Workshop (Smart Grid Using IOT)	Government College of Engineering, Salem
13	K. Balamurugan	Workshop	Sarada Technologies, Chennai
14	SanthoishKumar.D	Workshop	SANDS India Pvt.Ltd. Chennai

RESEARCH AND DEVELOPMENT ACTIVITIES

DETAILS OF PUBLICATIONS BY FACULTY

1. **Dr. T. Sasilatha** “Survey on Multiprocessor System on Chip with Propagation Antennas for Marine Applications Communication in Computer and Information Science (CCIS)”CCIS 837,ISSN: 1865-0929,Sep. 2018
2. **Dr. T. Sasilatha** “Ship Intrusion Detection System- A Review of the State of the Art Communication in Computer and Information Science (CCIS)”CCIS 837,ISSN: 1865-0929,Sep. 2018

3. **Dr. T. Sasilatha**“High Resolution 3D Image in Marine Exploration Using Neural Networks - A Survey Communication in Computer and Information Science (CCIS)” CCIS 837 ISSN: 1865-0929 Sep. 2018
4. **Dr. T. Sasilatha**“Efficient Energy Management Approach for Tracking Location in Wireless Sensor Networks” EAI Endorsed Transactions on Energy Weband Information Technologies ISSN: 2032-944 Sep. 2018
5. **Dr. T. Sasilatha**“An Efficient Routing Approach for Detection of Flooding Attacks in Wireless Sensor Networks”EAI Endorsed Transactions on Energy Web and Information Technologies ISSN: 2032-944X Sep. 2018
6. **Dr. T. Sasilatha**“Secure Data Transfer Using Multi-Layer Security Protocol with Energy Power Consumption AODV in Wireless Sensor Network Wireless Personal Communications” ISSN(P):0929-6212 ISSN(E):1572-834X Sep. 2018
7. **Dr. T. Sasilatha** “Detection of Multi-Layer Attack Using Anticipated Relay Algorithm in the Wireless Sensor Networks ” International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) Volume-8, Special Issue-6 ISSN(P):2249-6890 ISSN(E):2249-8001 Oct. 2018
8. **Dr. T. Sasilatha** “The Design and Analysis of Micros trip Patch Antenna with the Metamaterial for High Speed Wireless NetworT”International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) Volume-8, Special Issue-6 ISSN(P):2249-6890 ISSN(E):2249-8001 Oct. 2018
9. **Dr. T. Sasilatha** “The Performance Improvement Using CEMR Protocol in the Wireless Sensor Network”International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) Volume-8, Special Issue-6 ISSN(P):2249-6890 ISSN(E):2249-8001 Oct. 2018
10. **Dr. S.V. Saravanan** “A Review of Clock Control Strategy for Peak Power Using Linear Programming Model” International Journal of Research Volume-7, Issue-9, ISSN(E):2348-6848 2018
11. **Dr. S.V. Saravanan** “Secure Secret Communication Using JPEG Double Compression” Journal of Applied Science and Computation Volume-5, Issue-10, ISSN: 1076-5131 Oct. 2018

12. **Dr. A. Kalirasu** “Application of STATCOM for Improved Stability and Voltage Quality In Grid Connected Wind Farm” International Journal of Pure and Applied Mathematics Volume-120, Issue-6, ISSN (P):1311-8080 ISSN(E):1314-3395 2018
13. **Dr.V. Karthikeyan** “Unmanned Coastal Monitoring and Electric Propulsion System” Journal of Applied Science and Computations (JASC) Volume-5, Issue-8, ISSN 0076-5131 Aug. 2018.
14. **Dr. V. Karthikeyan**“ Performance Study of Multicarrier PWM based Multi- Level Inverter with Reduced Components” Journal of Advanced Research in Dynamical and Control Systems Volume-10, Issue-15S, ISSN 1943-023X Nov. 2018
15. **Dr. T. Baldwin Immanuel** “An Evaluation of Bidirectional Topologies for UPS Applications” International Journal of Engineering and Technology Volume-7, Issue-2.33 2018
16. **Dr. T. Baldwin Immanuel** “Transformer less 1 Φ Inverter for Grid-Connected PV Systems with an Optimized Control” International Journal of Engineering and technology Volume-7, Issue-2.33 2018
17. **Dr. M. Rajavelan**“Improved Sensitivity of SPR Instrument Using Multiple Reflection Technique” International Journal of Engineering and Technology Volume-7, Issue-2.33 2018
18. **Dr. M. Rajavelan**“ Design and Development of SPR Instrument Based On Θ -2 Θ Mechanical Integration Technique” International Journal of Mechanical and Production Engineering Research and Development Volume-8, Issue-5 2018
19. **G. Jegadeeswari** “Performance Investigation of Self-Lift and Re-Lift Luo Converter Topologies” Journal of Applied Science and Computations (JASC Volume-5, Special Issue-7, ISSN: 0076-5131 Jul. 2018
20. **G. Jegadeeswari**“Performance Analysis of DC – DC Converters with Voltage-Lift Circuits” International Journal of Management, Technology and Engineering (IJMTE) Volume-8, Special Issue-7, ISSN: 2249-7455 Jul. 2018
21. **G. Jegadeeswari**“Three Port Converter in Renewable System” International Journal of Management, Technology and Engineering (IJMTE) Volume-8, Special Issue-7, ISSN: 2249-7455 Jul. 2018

22. **G. Jegadeeswari**“Identification of Vibration on Electrical and Mechanical Components in Marine Machinery” International Journal of Research (IJR) Volume-7, Special Issue-7, ISSN: 2236-6124 Jul. 2018
23. **G. Jegadeeswari** “ To Monitor the On-line System for Dissolved Gases in Transformer Oil Using Wireless Data Acquisition” Journal of Applied Science and Computations (JASC) Volume-5, Special Issue-7, ISSN: 0076-5131 Jul. 2018
24. **G. Jegadeeswari** “Humanoid Robot for Remote Surveillance”International Journal of Mechanical Engineering and Technology (IJMET) Volume-9, Issue-8, ISSN: 0976 – 6359 Aug. 2018
25. **G. Jegadeeswari**“The Power Factor Correction Improvement for A Single-Phase AC/DC Converter Using an Enabling Window Control” International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) Volume-8, Issue-5, ISSN: 2249-6890 Oct. 2018
26. **S. Janarthanan**“Crane Control by Hand Gesture Using Flex Sensor” Journal of Applied Science and Computations (JASC) Volume-5, Special Issue-7, ISSN: 0076-5131 Jul. 2018
27. **R Elavarasi** “ Hygiene Water and Sanitary Issues Among the Women” Journal of Applied Science and Computations Volume-5, Issue-7, ISSN: 1076-5131 Jul. 2018
28. **R. Elavarasi** “Performance Analysis of Multipurpose Solar Still Employing Nanoparticles” International Journal of Management Technology and Engineering Volume-8, Issue-9, ISSN: 2249-7455Sep. 2018
29. **C. Gnanaavel** “A Performance Investigation of a Single Phase Multilevel Inverter Fed Nonlinear Loads for Solar PV Applications”International Journal of Engineering &Technology Volume-7, Issue-3.24 2018
30. **P. Veerakumar** “Automatic Collision Avoidance System Using Ultrasonic Sensor for Ship”International Journal of Management Technology and Engineering Volume-8, Issue-9, ISSN: 2249-7455 Sep. 2018
31. **R. Sundar**“ Implementation of a Real Time, High Speed Data Logger for Process Control Application” International Journal of Management Technology and Engineering Volume-8, Issue-9, ISSN: 2249-7455Sep. 2018

32. **C. Gnanavel** “Smart Electric Wheelchair for Physically Handicapped Person”

International Journal of Management Technology and Engineering Volume-8, Issue-8,

ISSN: 2249-7455 Aug. 2018

33. **Dr. S. V. Saravanan** “PID Control of Rectilinear Snake Robots” International Journal of

Mechanical Engineering and Technology (IJMET) Volume-9, Issue-8, ISSN: 0976 –

6359 Aug. 2018

DETAILS OF PAPERS PRESENTED IN INTERNATIONAL CONFERENCE

1. **Dr. T. Sasilatha** Modelling and Analysis of 45nm CMOS Multiplier for Multimedia Systems Third National Conference on Emerging Trends in Mathematical Sciences-NCETMS 2018 Proceedings of NCETMS 2018 Dec. 2018
2. **G. Jegadeeswari** Performance Analysis of Power Quality Improvement using Shunt Active Power Filter International Conference on Innovations and Research in Marine Electrical and Electronics Engineering (ICIRMEEE 2018) ISBN: 978 93 85434 709 Sep. 2018
3. **S. Janarthanan** Analysis of Grid Connected DFIG Based Wind Turbine for Reactive Power Compensation Janarthanan International Conference on Innovations and Research in Marine Electrical and Electronics Engineering (ICIRMEEE 2018) ISBN: 978 93 85434 709 Sep. 2018

TRAINING PROGRAMMES ATTENDED BY FACULTY MEMBERS

S. No	Name of the Faculty	Programme	Duration	Place
1	Dr.T. Sasilatha	Student Induction Program	26.11.2018 to 28.11.2018	AICTE Sponsored Induction program, Easwari Engineering College, Chennai
2	Mr. P. Veerakumar	Renewable Energy Sources Integrated Smart Power Grid Scenarios and control aspects using HVDC and FACTS	16.07.2018 to 21.07.2018	SSN College of Engineering, Kalavakkam, Chennai
3	Mrs.R.K. Padmashini	Advanced Linear Continuous Control Systems	27.08.2018 to 19.10.2018	NPTEL Online

AWARDS/RECOGNITIONS RECEIVED BY THE FACULTY

Name of the Faculty	Name of the Award	Awarding Agency	Year
Dr. T. Sasilatha	Excellence in Research	DK International Research	2018
Dr. T. Sasilatha	Education Leadership	Dewang Mehta National Education Awards	2018
Dr. V. Karthikeyan	Best Senior Faculty	DK International Research Foundation	2018
Dr. T. Baldwin Immanuel	Outstanding Educator Award 2018	International Institute of Organized Research Awards	2018
Mrs. R. Elavarasi	Best Educator	Chennai Equipments and Systems Private Ltd.	2018
Mrs. R. Elavarasi	Best Technical Consultant	GKR Electrical Solutions	2018
Dr. M. Rajavelan	Outstanding Educator Award -2018	International Institute of Organized Research Awards	2018
Mr. P. Veerakumar	Bright Researcher Award 2018	Green ThinkerZ	2018
Mr. S. Janarthanan	Elsevier Reviewer Recognition	Elsevier Publishing Company	2018

Mr. C. Gnanavel	Emerging Researcher Award -2018	International Institute of Organized Research Awards	2018
Ms. G. Jegadeeswari	Best Paper Award	International Journal of Mechanical and Production Engineering Research and Development	2018
Ms. G. Jegadeeswari	Bright Researchers award	Green ThinkerZ award	2018

EXTENSION and OUTREACH ACTIVITIES

Extension activities are conducted regularly which include:

- ❖ Spreading of engineering education among the local community,
- ❖ Electrical safety awareness programs,
- ❖ Maintenance and repair of Electrical Equipment,
- ❖ Rallies to promulgate the message of pollution-free society and electrification of less Privileged schools,
- ❖ Community development programs are also conducted regularly to equip the local Community with basic practical knowledge in Electrical Engineering.
- ❖ Community development programs are conducted on topics like mobile service,

Date of Event	Activity	Place of Event
06.09.2018	Extension Activity	St. Joseph's Hr. Sec. School, Kovalam
16.11.2018	Community Activity	Muttukadu Beach
19.11.2018	Community Activity	AMET UNIVERSITY



Extension activity titled “Awareness Program on Electrical Safety” conducted on 6.09.2018 at St. Joseph’s Higher Secondary School, Kovalam. A team of 15 Students and 2 Faculty members were involved in this activity.



SWACHH BHARAT -CLEANING ACTIVITY ON 16.11.2018

EDITORIAL COMMITTEE MEMBERS

Faculty Members

Dr.T. SasilathaDean/EEE

Ms. G. Jegadeeswari, Asst.Professor

Student Members

Mr. K. Balamurugan

Mr. Anitosh Mondal

THANK YOU!! MORE TO EXPECT IN THE NEXT EDITION

**“People who say it
cannot be done should
not interrupt those who
are doing it.”**

-GEORGE BERNARD SHAW

