

SAEC NEWSLETTER

October 2020 to December 2020



SYED AMMAL ENGINEERING COLLEGE

(An ISO 9001:2015 Certified Institution)

Dr. E.M. Abdullah Campus, Ramanathapuram-623502

NBA accredited UG Courses: CSE, EEE & MECH

Anna University Approved Research Centres: EEE, MECH, CSE and ECE

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Awards and Achievements



Ms. M. VEERA THEEPIKA SWANI, ME - VLSI Design (2018 - 2020 Batch) has secured University Gold Medal in Anna University Examinations conducted during 2018-2020.



- **Dr. K. Jeyabalan, Associate Professor, Department of Management Studies have received a Best Professor Award from ESN Publication for the year 2020-2021.**
- **Dr. K. Jeyabalan, Associate Professor, Department of Management Studies have received Award for Teaching Excellence for the year 2020-2021 from Vivekanantha College of Arts & Sciences, Namakkal.**

Ph.D Awarded



Dr. D. Somasundaram, Associate Professor, Department of Mechanical Engineering, Syed Ammal Engineering College, Ramanathapuram has Awarded Ph.D Degree at Anna University, Chennai during October 2020.

Patent Publications

- **Dr. B. Muthu Kumar, Professor & Head, Department of Computer Science and Engineering has published a patent on “Integrating Encryption and Encapsulation to improve Multilevel Security in IOT Network System”, in Indian Patent Journal, Issue No: 45/2020, Page No. 56349 on 06.11.2020.**
- **Dr. B. Muthu Kumar, Professor & Head, Department of Computer Science and Engineering has published a patent on “Complete Multi Storeyed Residence Water management using SCADA through IOT Sensor and Cloud System”, in Indian Patent Journal, Issue No: 50/2020, Page No.61711 on 11.12.2020.**
- **Dr. S. Selvaperumal, Professor & Head, Department of Electrical and Electronics Engineering, Dr. R. Nagarajan, Professor, Department of Electrical and Electronics Engineering, Dr. S. Muthulakshmi, Associate Professor, Department of Electrical and Electronics Engineering, Dr. S. Aiswariya, Associate Professor, Department of Electrical and Electronics Engineering and Dr. M. Senthilkumar, Assistant Professor, Department of Electrical and Electronics Engineering has published a patent on “ Performance characteristics of self- excited cage induction generator”, in Indian Patent Journal, Issue No: 51/2020, Page No. 62652 on 18.12.2020.**



Short Term Training Programmes

- Department of Electronics and Communication Engineering conducted AICTE Sponsored Six Days Online Short Term Training Programme on “Potential Benefits of RFID in Industrial, Medical and Domestic Sectors” (Phase - I) from 23.11.2020 – 28.11.2020.
- Department of Electronics and Communication Engineering conducted AICTE Sponsored Six Days Online Short Term Training Programme on “Potential Benefits of RFID in Industrial, Medical and Domestic Sectors” (Phase - II) from 21.12.2020 – 27.12.2020.

Funding Received

- Dr. M. Periyasamy, Principal and Professor, Department of Electronics and Communication Engineering has received funding of Rs 2,49, 833/- (Rupees Two Lakhs Forty Nine Thousands Eight Hundred and Thirty Three Only) from AICTE, New Delhi for organizing Six Days Online Short Term Training Programme on “ Potential Benefits of RFID in Industry, Domestic and Medical Sectors” in two Phases during the academic year 2020 – 2021.
- Dr. S. Selvaperumal, Professor and Head, Department of Electrical and Electronics Engineering has received funding of Rs 14,51,765/- (Rupees Fourteen Lakhs Fifty One Thousands Seven Hundred and Sixty Five Only) from AICTE, New Delhi for implementing the project titled as “ Embedded Network Control Between Heterogeneous Nonlinear Systems for Agricultural Applications” under Research Promotion Scheme (RPS) for two years during the academic year 2020 – 2021.
- Dr. B. Muthukumar, Professor and Head, Department of Computer Science and Engineering has received funding of Rs 4,24, 833/- (Rupees Four Lakhs Twenty Four Thousands Eight Hundred and Thirty Three Only) from AICTE, New Delhi for organizing Two Weeks Online Faculty Development Programme on “ Ideas and Innovations in Block Chain Architecture, Technology and its Research Applications ” in two Phases during the academic year 2020 – 2021.
- Dr. B. Muthukumar, Professor and Head, Department of Computer Science and Engineering has received funding of Rs 93,000/- (Rupees Ninety Three Thousands Only) from AICTE Training and Learning (ATAL) Academy for organizing Six Days Online Faculty Development Programme on “Block Chain” during the academic year 2020 – 2021.



Book Publications/Copy Rights

- Dr. S. Selvaperumal, Professor & Head, Department of Electrical and Electronics Engineering, Dr. R. Nagarajan, Professor, Department of EEE, Dr. S. Muthulakshmi, Associate Professor, Department of EEE, Dr. S. Aiswariya, Associate Professor, Department of EEE and Dr. M. Senthilkumar, Assistant Professor, Department of EEE have obtained Copyrights for a book titled “Electrical Machines – I Laboratory Manual” on 25.11.2020. (Registration Number : (19110/2020-CO/L)

Orientation Programme

The online Orientation Programme for the First Year students as per the AICTE guidelines was conducted from 09.11.2020 to 21.11.2020.

- Dr. M. Periyasamy, Principal, Syed Ammal Engineering College delivered a speech on the topic “Familiarization of the Institute” on 09.11.2020.
- Dr. S. Rajesekar, HOD, Physics, delivered a speech on “Universal Human Values” on 10.11.2020.
- Dr. B. Jayalakshmi, HOD, Chemistry, delivered a speech on “Managing and overcoming stress” on 11.11.2020.
- Dr. B. Muthukumar, HOD, CSE, delivered a speech on “Character building” on 12.11.2020.
- Dr. R. Meikanda Ganesh Kumar, HOD, MBA , conducted a session on “Time Management” on 12.11.2020.
- Mrs. R. Kavitha, HOD, English, conducted a session on “User Friendly English” on 16.11.2020.
- Dr. S. Selvaperumal, HOD, EEE, conducted a session on “Building Self-Confidence through Spirituality” on 17.11.2020.
- Dr. S. Karthikeyan, HOD, MECH, delivered a speech on “Relationship between a Student and Teacher” on 18.11.2020.
- Dr. G. Mahendran, HOD, ECE, conducted a session on “Explore Yourself through Engineering Courses” on 18.11.2020.
- Dr. S.P. Ganesan, HOD, Maths, conducted a session on “Importance of Sports and Other Physical Activiies” on 19.11.2020.
- Mr. G. Palaniselvan, HOD, Civil, conducted a session on “Believe you, Opportunities will follow you” on 19.11.2020.
- Prof. Mohamed Ibrahim, Student Development Counselor, conducted a session on “Importance of Moral and Ethical Values” on 21.11.2020.



FDP/Workshops/Webinars Attended

- Dr. B. Muthu Kumar, Professor & Head, Department of Computer Science and Engineering has participated in One Week International STTP on "Deep Learning Applications", Organized by Sri Venkateswara College of Engineering, Sriperumbudur, during 19.10.2020 to 23.10.2020.
- Mr. T. Dharmaprabhaaran, Assistant Professor, Department of Mechanical Engineering has participated in AICTE Training And Learning (ATAL) Academy Online FDP on "Electric Vehicles" Organized by NIT Mizoram, during 10.11.2020 to 14.11.2020.
- Mr. P. Gnanaskanda Parthiban, Assistant Professor, Department of EEE has participated in Two Weeks online FDP on “ Formal Modeling, Control & Real Time Implementation of Cyber Physical systems” (Phase - II) Organized by V.S.B. Engineering College, Karur, during 09.11.2020 to 24.11.2020.
- Mr. G. Palanisvelan, Head, Department of Civil Engineering has participated in Six Days Online Short Term Training Programme on “Potential Benefits of RFID in Industrial, Medical and Domestic Sectors” (Phase - I) Organized by Department of ECE, Syed Ammal Engineering College during 23.11.2020 to 28.11.2020.
- Ms. T. Akshaya, Assistant Professor, Department of Civil Engineering, has participated in Six Days Online Short Term Training Programme on “Potential Benefits of RFID in Industrial, Medical and Domestic Sectors” (Phase - I) Organized by Department of ECE, Syed Ammal Engineering College during 23.11.2020 to 28.11.2020.
- Dr. G. S. Naganathan, Associate Professor, Department of EEE has has participated in Six Days Online Short Term Training Programme on “Potential Benefits of RFID in Industrial, Medical and Domestic Sectors” (Phase - I) Organized by Department of ECE, Syed Ammal Engineering College during 23.11.2020 to 28.11.2020.
- Mrs. G. Abinaya, Assistant Professor, Department of EEE has has participated in Six Days Online Short Term Training Programme on “Potential Benefits of RFID in Industrial, Medical and Domestic Sectors” (Phase - I) Organized by Department of ECE, Syed Ammal Engineering College during 23.11.2020 to 28.11.2020.
- Mr. R. Jegadeesan, Assistant Professor, Department of EEE has has participated in Six Days Online Short Term Training Programme on “Potential Benefits of RFID in Industrial, Medical and Domestic Sectors” (Phase - I) Organized by Department of ECE, Syed Ammal Engineering College during 23.11.2020 to 28.11.2020.
- Ms. J. Estherbaby Assistant Professor, Department of Civil Engineering has participated in Six Days Online Short Term Training Programme on “Potential Benefits of RFID in Industrial, Medical and Domestic Sectors” (Phase - I) Organized by Department of ECE, Syed Ammal Engineering College during 23.11.2020 to 28.11.2020.



FDP/Workshops/Webinars Attended

- Ms. I. Jaambavi, Assistant Professor, Department of Civil Engineering has participated in Six Days Online Short Term Training Programme on “Potential Benefits of RFID in Industrial, Medical and Domestic Sectors” (Phase - I) Organized by Department of ECE, Syed Ammal Engineering College during 23.11.2020 to 28.11.2020.
- Mr. T. Arun Prasath, Assistant Professor, Department of EEE has participated in AICTE Sponsored Six Days Short Term Training Programme on “Potential Benefits of RFID in Industrial, Medical and Domestic Sectors” (Phase - I) Organized by Department of ECE, Syed Ammal Engineering College, Ramanathapuram during 23.11.2020 to 28.11.2020.
- Mr. P. Nedumal Pugazhenth, Associate Professor, Department of EEE has participated in AICTE Sponsored Six Days Short Term Training Programme on “Potential Benefits of RFID in Industrial, Medical and Domestic Sectors” (Phase- I) Organized by Department of ECE, Syed Ammal Engineering College, Ramanathapuram during 23.11.2020 to 28.11.2020.
- Mr. P. Nedumal Pugazhenth, Associate Professor, Department of EEE has participated in AICTE Sponsored Six days Short Term Training Programme (STTP) on” Digitization in Industrial Automation (Phase –II)” Organized by Kumaraguru College of Technology, Coimbatore during 30.11.2020 to 05.12.2020.
- Mr. P. Gnanaskanda Parthiban, Assistant Professor, Department of EEE has participated in Two Weeks online FDP on “Robotics and Autonomous system” Organized by PSG College of Technology, Coimbatore during 07.12.2020 to 19.12.2020.

FDP/Workshops/Webinars Organized

- Department of Computer Science and Engineering has conducted AICTE Sponsored Two Weeks Online Faculty Development Programme on “Ideas and Innovations in Blockchain Architecture, Technology and its Research Applications (Phase - I)”, from 16th – 29th November 2020.
- Department of Computer Science and Engineering has conducted AICTE Sponsored Two Weeks Online Faculty Development Programme on “Ideas and Innovations in Blockchain Architecture, Technology and its Research Applications (Phase - II)”, from 14th– 27thDecember 2020.



Inauguration of First Year Classes



The Inauguration of First Year Classes for the 2020 – 2021 Batch was held on 20.11.2020 in EEE Seminar Hall at 10.00 A.M. The first year students along with their parents took part in the programme. Dr. S. Rajasekar, HOD, Physics welcomed the gathering. Dr. M. Periyasamy, Principal, highlighted the achievements of the institution and faculty members. Dr. Chinnadurai Abdullah, Correspondent, felicitated the gathering. In his address, Correspondent, addressed the importance of discipline, hard work and perseverance for attaining greater goals in one's life. Correspondent, introduced Principal, all the HODs and other functional Heads to the gathering. Dr. B. Jayalakshmi, First Year Coordinator delivered vote of thanks. After the vote of thanks, HODs had separate meeting with their students and parents to deliver rules and regulations of the college. Lunch was provided to all the students and parents attended the meeting.



Journal Publications

Title of the Paper	Name of the Author(s)	Department	Name of the Journal	Year
Joint intensity transformer network for gait recognition robust against clothing and carrying status	Dr. S.M.H.Sithi Shameem Fathima	Electronics and Communication and Engineering	Materials Today: Proceeding	2020
Performance evaluation on effect of FSS-EBG structures on CSRR telemetry antenna	Prof. A. Valanarasi	Electronics and Communication and Engineering	Materials Today: Proceeding	2020
Design and analysis of CPW fed flexible CSRR patch antenna for ISM band, Materials Today:Proceedings	Prof. A. Valanarasi	Electronics and Communication and Engineering	Materials Today: Proceeding	2020
MGWO-PI controller for enhanced power flow compensation using unified power quality conditioner in wind turbine squirrel cage induction generator	Dr. S. Selvaperumal	Electrical and Electronics Engineering	Microprocessors and Microsystems	2020
3D Modeling of MFL Imaging System to Detect Surface Discontinuities in Ferromagnetic Tubes	Dr. S. Selvaperumal	Electrical and Electronics Engineering	Materials Evaluation	2020
Online optimization based model predictive control on two wheel Segway system	Dr. S. Selvaperumal	Electrical and Electronics Engineering	Materials Today: Proceedings	2020
ANN-based online voltage stability margin assessment in deregulated power system	Dr. S. Selvaperumal	Electrical and Electronics Engineering	Journal of Electrical engineering	2020
A fuzzy – elephant herding optimization technique for maximum power point tracking in the hybrid wind – solar system	Dr. S. Selvaperumal	Electrical and Electronics Engineering	International transactions on electrical energy systems	2020
A Novel Robust Medical Image Watermarking Employing Firefly Optimization for Secured Telemedicine	Dr. S. Selvaperumal	Electrical and Electronics Engineering	Journal of medical imaging and health informatics	2020
Privacy Protection of Patient Medical Images using Digital Watermarking Technique for E-healthcare System	Dr. S. Selvaperumal	Electrical and Electronics Engineering	Current Medical Imaging (Formerly: Current Medical Imaging Reviews),	2020
Experimental Analysis of Performance and Thermal Capability of Three Phase Squirrel Cage Induction Motor Using Plastered Composite Conductors	Dr. S. Selvaperumal	Electrical and Electronics Engineering	Current Nano materials	2020
Anfis Classifier Based Moving Object Detection and Segmentation in Indoor and Outdoor Environments	Dr. S. Selvaperumal	Electrical and Electronics Engineering	Current Signal Transduction Therapy	2020
Detection of Moving Object in Dynamic Visual Sequences Based on Partial Least Squares Classifier	Dr. S. Selvaperumal	Electrical and Electronics Engineering	Current Signal Transduction Therapy	2020
Emission analysis of CI engine with CeO ₂ nanoparticles added neochloris oleoabundans biodiesel-diesel fuel blends	Mr. K. Kalaimurugan, Dr. S. Karthikeyan, Dr. M. Periyasamy, Dr. G. Mahendran	Mechanical Engineering	Materials Today: Proceedings	2020



Journal Publications

Title of the Paper	Name of the Author(s)	Department	Name of the Journal	Year
Combustion analysis of CI engine using pilot dual fuel blends	Dr. S. Karthikeyan, Dr. M. Periyasamy	Mechanical Engineering	Materials Today: Proceedings	2020
Performance characteristics of CI engine using Chlorella Vulgaris microalgae oil as a pilot dual fuel blends	Dr. S. Karthikeyan, Dr. M. Periyasamy	Mechanical Engineering	Materials Today: Proceedings	2020
Combustion analysis of a CI engine with Caulerpa racemosa algae biofuel with nano additives	Dr. S. Karthikeyan, Dr. M. Periyasamy	Mechanical Engineering	Materials Today: Proceedings	2020
Performance and exhaust emissions of a CI engine using Bi ₂ O ₃ nano blends as an alternate Caulerpa racemosa algae oil biofuel	Mr. M. Ram Balaji Dr. S. Karthikeyan, Dr. M. Periyasamy	Mechanical Engineering	Materials Today: Proceedings	2020
A Study on Employee Morale and Attitude at Sri Vishnu Shankar Mill ltd, in Rajapalayam	Dr. K. Jeyabalan	MBA	Juni Khyat is a multidisciplinary journal (UGC Care Group I Journal)	2020
Dogo Rangsang Research Journal	Dr. K. Jeyabalan	MBA	Dogo Rangsang Research Journal (UGC Care Group I Listed Journal)	2020
Anti-diabetic activities of ZnO doped with Ce (3 at%) nano particles	Dr. S. Rajasekar	Physics	Materials Today: Proceedings	2020
Anti-diabetic studies of barium paranitro phenolate macro and nano crystals	Dr. S. Rajasekar	Physics	Materials Today: Proceedings	2020
Investigation of different MPPT techniques based on fuzzy logic controller for multilevel DC link inverter to solve the partial shading	Dr. S. Selvaperumal	Electrical and Electronics Engineering	Soft Computing	2020
EANFIS-based Maximum Power Point Tracking for Standalone PV System	Dr. S. Selvaperumal	Electrical and Electronics Engineering	IETE Journal of Research	2020

Reduce your risk of COVID-19



Syed Ammal Engineering College



Clean your hands often

Cough or sneeze in your bent elbow – not your hands!



Avoid touching your eyes, nose and mouth

Limit social gatherings and time spent in crowded places



Avoid close contact with someone who is sick

Clean and disinfect frequently touched objects and surfaces



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