

SAEC NEWSLETTER

July 2020 to September 2020

Achievement



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

Patent Publications

- Dr. S. Selvaperumal, Professor & Head, Electrical and Electronics Engineering has published a patent on “Thirty-One Levels Asymmetric Cascaded H-Bridge Multilevel Inverter With Reduced Number of Switches” on 12.07.2020 in IPR Journal, 24/2020, Page No.21949 .
- Dr. S. Hasan Hussain, Associate Professor, Computer Science and Engineering has published a patent on “Genomic Processing Embedded System for Dataset Generation and Deep Analysis” on 06.08.2020.
- Dr. B. Muthu Kumar, Professor & Head, Computer Science and Engineering has published a patent on “Preparation of Bio-Green Adsorbent of EM based Kitchen Waste Compost and Water Hyacinth Waste Compost” on 14.08.2020 .

Book Publications/Copy Rights

- Dr. S. Selvaperumal, Professor & Head, EEE and Prof. P. Nedumal Pugazhenth, Associate Professor, EEE have published a book titled “Control Systems Laboratory Manual” on 31.07.2020. (Registration Number L-93352/2020)
- Dr. S. Selvaperumal, Professor & Head, EEE, Dr. R. Nagarajan, Associate Professor, EEE, Prof. P. Nedumal Pugazhenth, Associate Professor, EEE, Prof. P. Gnanaskanda Parthiban, Assistant Professor, EEE and Prof. T. Arun Prasath, Assistant Professor, EEE have published a book titled of “Simulation of Power electronics Circuits using PSPICE” on 07.09.2020 (Reg.No: L-94406/2020)



SYED AMMAL ENGINEERING COLLEGE



(An ISO 9001:2015 Certified Institution)

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

NBA accredited UG Courses: CSE, EEE & MECH

Approved by AICTE—Newdelhi, Affiliated to Anna University - Chennai



MoU Signing



Syed Ammal Engineering College and Ford India Limited, Chennai have signed a MoU on 05.08.2020. As per the agreement, Department of Mechanical Engineering has received the new model Ford Eco Sport Car from Ford India Limited for the demonstration purpose.



Syed Ammal Engineering College and National Highways Authority of India (NHAI) have signed a MoU on 07.08.2020 in the presence of our beloved correspondent Dr. Chinnadurai Abdullah and Mr. Baskar, Project director, NHAI, Karaikudi.

Short Term Training Programmes

- Department of Electrical and Electronics Engineering conducted AICTE Sponsored Six Days Online Short Term Training Programme on “Digital Controllers for Power Electronics Applications” (Phase - I) from 13th July to 18th July 2020.
- Department of Electronics and Communication Engineering organized AICTE Sponsored Six Days Online Short Term Training Programme on “Soft Computing Techniques in Engineering Applications” (Phase - I) from 20th July to 25th July 2020.
- Department of Electrical and Electronics Engineering conducted AICTE Sponsored Six Days Online Short Term Training Programme on “Digital Controllers for Power Electronics Applications” (Phase - II) from 3rd August to 8th August 2020.
- Department of Electronics and Communication Engineering organized AICTE Sponsored Six Days Online Short Term Training Programme on “Soft Computing Techniques in Engineering Applications” (Phase - II) from 10th August to 16th August 2020.
- Department of Electrical and Electronics Engineering conducted AICTE Sponsored Six Days Online Short Term Training Programme on “Digital Controllers for Power Electronics Applications” (phase - III) from 7th September to 12th September 2020.

ATAL STTP

Department of Mechanical Engineering, Syed Ammal Engineering College, Ramanathapuram organized AICTE Training and Learning (ATAL) Academy sponsored online Short term training program on “Energy Storage and E-Mobility from 24.08.2020 to 28.08.2020.

NBA Accredited

Department of Computer Science and Engineering, Department of Electrical and Electronics Engineering and Department of Mechanical Engineering of Syed Ammal Engineering College, Ramanathapuram have got the extension of NBA Accreditation for one year till June 2021.

FDP/Workshops/Webinars

- Department of Computer Science, Syed Ammal Engineering College, Ramanathapuram and Knowledge Partner of Spoken Tutorial Project, IIT Bombay organized Online Six Days FDP on JAVA Programming from 06.07.2020 to 11.07.2020.
- Department of Management Studies, Syed Ammal Engineering College, Ramanathapuram organized a Webinar on "Chapterization of Research Report" on 09.07.2020.
- Department of Mathematics, Syed Ammal Engineering College, Ramanathapuram conducted a Webinar on “The Solution of Nonlinear Differential Equations ” on 28.07.2020.
- Department of Physics, Syed Ammal Engineering College, Ramanathapuram conducted Two Days Webinar on “ Recent trends in Physics” on 29.07.2020 and 30.09.2020.
- Department of Chemistry, Syed Ammal Engineering College, Ramanathapuram conducted Webinar on “Awareness About Water Quality Parameters and Its Importance” on 01.07.2020.
- Department of Physics, Syed Ammal Engineering College, Ramanathapuram organized the Two Days Webinar on “Nanomaterials and its Engineering Application” on 10th August 2020 & 11th August 2020.
- Department of Computer Science, Syed Ammal Engineering College, Ramanathapuram organized a One Day Workshop on “Online Teaching Learning Tools “on 10.08.2020.



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	Elsevier	2020
Anti-diabetic studies of barium paranitro phenolate macro and nano crystals	Dr. S. Rajasekar	Physics	Elsevier	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



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