

VRSCET *News Letter*

Voice of V.R.S. College of Engineering and Technology



INTERNATIONAL CONFERENCE

International Conference on Veracity Research in Scientific Computation and Engineering Trends (ICVRSCET-2019) was inaugurated by Dr. Gunasekaran Manogaran, Big Data Scientist, University of California, Davis, USA, on 23rd March 2019.

UNIVERSITY RANK

Ms.K.Deepeka of B.E. (Civil Engineering) secured 17th University rank in Anna University Examinations 2017-18.



ALUMNI MEET 2018

Alumni meet 2018 was conducted on 18th January 2019. The election for office bearers of VRS College Engineering Alumni Association for the year 2018-2019 was conducted and newly elected office bearers assumed their office



ANNUAL DAY

Annual Day was celebrated on 16th March 2019. Sri. Santhosh Kumar, IPS, Deputy Inspector General of Police, Villupuram was Chief Guest. He Distributed the Awards, Medals and Certificates to students for Academic and Sports Excellence.



V.R.S. College of Engineering and Technology

(Reaccredited by NAAC and an ISO 9001 : 2008 Recertified Institution)

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DEPARTMENT OF MECHANICAL ENGINEERING

Association (TheAME) Activities:



- ❖ TheAME in association with ISTE organized National level technical symposium 'MECHAUNICORN 2K19' on 9th March 2019. The inaugural address was given by Mr.S.Thirupathi, MSW (HR), Plant Human Resources Manager, Rane Brakes Lining Ltd., Puducherry.
- ❖ TheAME organized 'Creative writing' and 'Product design' contests for mechanical engineering students on 12th February 2019.

Staff Activities:

Faculty pursuing higher studies:

- ❖ Mr.N.Ejournale, Assistant Professor is pursuing his Ph.D. in Pondicherry University.
- ❖ Mr.S.Shanmugasundaram, Associate Professor is pursuing his Ph.D. in Anna University.

Conference Presentation / Workshop / FDP / Seminar Participations:

- ❖ Mr.B.Selvasarathy, Associate Professor and Mr.D.Satheshkumar, Mr.A.Shanmugarajan, Assistant Professors attended two weeks faculty development programme on “ME 8493-Thermal Engineering” at University College of Engineering, Villupuram from 1st to 12th December 2018.

Students Activities:

Technical Events:

- ❖ Mr.S.Umamaheswaran and Mr. R.Vijayakumar of third year presented a paper “Multipurpose Agriculture Machine” and won second prize and

Mr.S.Umamaheswaran of third year participated in “Brain Buster” in National level technical symposium at Erode Sengunthar Engineering College, Perundurai on 31st August 2018.

- ❖ Mr.S.Umamaheswaran of third year won first prize, Mr.R.Rahul of second year won second prize and Mr.A.Senguttuvan of second year won third prize on 'Creative writing' conducted at our department on 12th January 2019.
- ❖ Mr.T.Eswara baskaran of third year won first prize, Mr.S.M.Enbakumaran of final year won second prize and Mr.A.Alibadusha of second year won third prize in 'Product design' contest conducted at our department on 12th February 2019.
- ❖ Mr.A.Arun Pandiyan, Mr.S.Dinakaran, Mr. S.M.Enbakumaran, Mr.D.Iyyappan, Mr.K.Kabilan, Mr.K.Karthikeyan, Mr.T.Karthikeyan, Mr.M.Riyaz Ahamed, Mr.S.Shanavass, Mr.S.Vijay, Mr.S.Mohamed Najmudeen, Mr.N.Senthamizhselvan and Mr.K.Sundaresan of final year attended AU-CIVIC- RNTBCI Employability Skill Enhancement Programme [E-SEP] at Sri Eshwar College of Engineering, Coimbatore from 15th to 26th February 2019.
- ❖ Mr. S. Mohamed Najmudeen and Mr. R. Praveen Raj of final year attended one day workshop on “3D Digital Printing” at Mailam Engineering College, Mailam on 8th February 2019.
- ❖ Mr.K.Prem Kumar, Mr.B.Manikandan, Mr.A.Rahul and Mr.G.Chandrasekar of final year presented a paper “Design and Fabrication of Seed Sowing Machine” under the guidance of Mr.R.Malayalathar, Assistant Professor and Mr.D.Dhinesh, Mr.M.Sankarguru, Mr.S.Arun kumar and Mr. K. Guna of final year presented a paper “Investigation of Design and Fabrication of Solar Powered Bicycle” under the guidance of Mr.A.Rajaraman, Assistant Professor in International conference at St.Anne's College of Engg. and Tech., Panruti on 28th February 2019.
- ❖ Mr. M. Riyaz Ahamed, Mr. S. Shanavass, Mr.A.Selvakumar and Mr.N.Nandhakumar of

final year presented their project work “Design and Fabrication of Oil Skimmer using Disc Plate” in Project Contest-2019 conducted at our college on 14th March 2019 and won first prize.

- ❖ Mr.K.Arunkumar, Mr.S.M.Inbakumaran, Mr.R.Ganesh and Mr.M.Gopalakrishnan of final year presented a paper “Investigation of Mechanical Properties of Hybrid Glass Fibre-Sisal and Jute Reinforced Epoxy Composites” and Mr. M. Riyaz Ahamed, Mr. S. Shanavass, Mr.A.Selvakumar and Mr.N.Nandhakumar of final year presented a paper “Design and Fabrication of Oil Skimmer using Disc Plate” in International conference under the guidance of Mr.C.Subramaniyan, Assistant Professor, conducted at our college on 23rd March 2019.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Association (ELCENA) Activities:

- ❖ ELCENA in association with ISTE and Career Guidance Bureau organized ELCENA 2018 inauguration on 26th July 2018. Mr.M. Parthiban, Technical Manager, Caliber Embedded India Pvt. Ltd., Salem, inaugurated the event and presented a seminar on “Emerging Trends in Industrial Electronics”.
- ❖ ELCENA in association with ISTE and Career Guidance Bureau organized one day internal paper presentation contest on 18th February 2019.
- ❖ ELCENA in association with ISTE and Career Guidance Bureau organized National level technical symposium on 28th February 2019.



Mr.T.Varadharajan, Deputy Manager, Whirlpool, India, Puducherry inaugurated the event and Dr.D.Sengeni, Associate Professor, C.K. College of Engg. and Tech., Cuddalore acted as jury.

Faculty Pursuing Higher Studies:

- ❖ Mr.R.Balasubramaniyan, Associate Professor and Mr.P.Paruthi Ilam vazhuthi, Assistant Professor are pursuing Ph.D., in Anna University.

Conference presentations / Workshop Participations:

- ❖ Mrs.V.Gandhimathi and Mrs.P.Sujatha, Associate Professors attended National level workshop on “Research in Digital Image Processing” organized by Bharathiyar Institute of Engineering for Women, Deviyakurichi on 29th September 2018.
- ❖ Mr.G.SadiqBasha, Mrs.V.Gandhimathi and Mrs.P.Sujatha, Associate Professors and Mrs.T.Priyadarsini and Ms.L.Megala, Assistant Professors attended AICTE MODROBS Scheme sponsored National level workshop on “Recent Developments in Photonics & Optical Communication using Optsim Software” organized by IFET College of Engineering, Villupuram on 29th and 30th November 2018.
- ❖ Mr.G.SadiqBasha, Associate Professor and Mrs.T.Priyadarsini, Mr.P.Paruthi Ilam Vazhuthi and Mr.S.Parthiban, Assistant Professors attended short term course on “Industrial Automation using Lab VIEW” at C.K.College of Engg. and Tech.,Cuddalore from 13th to 15th December 2018.
- ❖ Ms.G.Indumathi, Assistant Professor attended “Applications of Fibre Optics” and “Embedded Robotics” workshops in National level technical symposium held at University College of Engineering, Villupuram on 15th and 16th March 2019.
- ❖ Mr.P.Paruthi Ilam Vazhuthi, Assistant Professor presented a paper “Survey on Various Modified Leach Hierarchical Protocols for WSN” in International Conference at Panimalar Engineering College, Chennai during 22nd and 23rd March 2019.

- ❖ Mr.S.Parthiban, Assistant Professor presented a paper “Embedded Control System for High Power RF Amplifiers” in International Conference organized by our College on 23rd March 2019.
- ❖ Mr.V.Thiyagarajan, Associate Professor attended National level workshop on “Recent Developments in Photonics & Optical Communication using Optsim Software” organized again by IFET College of Engineering, Villupuram during 7th and 8th June 2019.

Publications:

- ❖ Mr.P.Paruthi Ilam Vazhuthi, Mr.S.Parthiban and Mrs.T.Priyadarsini, Assistant Professors published a research paper “TinyOs – Basic Application Implementations and Media Data Transfer Analysis For Sensor Networks” in International Innovative Research Journal of Engineering and Technology, ISSN:2456-1983, Volume-4, September 2018.
- ❖ Ms.L.Megala, Assistant Professor published a research paper “Handwritten and Gesture Recognition using an Accelerometer based Digital Pen” in International Journal of Advanced Research Trends in Engineering and Technology, Volume 5, Issue 12, December 2018, ISSN 2394-3777.

Guest Lectures

- ❖ Mrs.T.Priyadarsini, Assistant Professor delivered a seminar on “Awareness Program on Energy Efficiency and Energy Conservation” at NIT, Karaikal on 11th January 2019.

Students Activities:

Prizes and Awards:

- ❖ Ms.D.Jayasuriya and Ms.J.Jeeva of final year won first prize for their project “Speed Controlled Smart Bike for Safe Journey” and second prize for their paper “Accident Control & GPS Tracking System in Vehicle using Arduino” in National level technical symposium held at Perunthalaivar Kamarajar Institute of Engineering and Technology, Karaikal on 31st August 2018.
- ❖ Ms.D.Jayasuriya, Ms.V.Sathiyabama and Ms.J.Jeeva of final year won second prize in

Project Expo for the project “A Complete Life Saving Gadget for Two Wheeler Enthusiasts” and Ms.D.Jayasuriya of final year won second prize in the event Adzap in National level technical symposium held at Sri Venkateswara College of Technology, Sriperumbudur on 9th February 2019.

- ❖ Ms.A.Nilofarnisha and Ms.M.Keerthana of final year won “Best Paper Award” under the guidance of Mr.V.Thiyagarajan, Associate Professor titled “IoT Enabled Automatic Intelligent Irrigation System using Sensors” and won first prize in the event “Connection”, Ms.D.Jayasuriya, Ms.J.Jeeva and Ms.V.Sathiyabama of final year won first prize in “Technical Quiz” and Ms.M.Deepika, Ms.P.Kirubadevi, Ms.P.Ramyakrishnan, Ms.V.Esaiyazhini and Ms.A.Anjana of final year won second prize in “Quality Quiz” in National conference organized by Arunai Engineering College, Tiruvannamalai on 15th February 2019.
- ❖ Ms.A.Asmathjan of first year M.E. won first prize for her paper “Heart Attack Detection and Heart Rate Monitoring by LORA & WIFI using IoT” in National level technical symposium held at University College of Engineering, Villupuram on 15th and 16th March 2019.
- ❖ Ms.J.Jeeva of final year won first prize in “Carram” and second prize in “Speech Competition” in District level intercollege competition conducted by Social Justice & Human Rights Unit, Cuddalore on 17th February 2019.
- ❖ Ms.A.Yogenthira Priyadharshika and Ms.S.Sankari of final year received a fund of Rs. 7500/- from Tamilnadu State Council for Science and Technology, Chennai for the project “Automatic Detection and Control of Air Contamination in an Enclosed Indoor Environment”, under the guidance of Mrs.P.Sujatha, Associate Professor, Ms.N.Padhmapiya and Ms.S.Pavithra of second year won first prize for their paper “Nano Tree with Sun Tracking Nano leaves for Energy



Harvesting”, Ms.P.Karthiga and Ms.R.Sunitha of third year won second prize for their paper “Health Monitoring System using Wireless Communication” and Ms.S.Shameera and Ms.R.Vishnupriya of second year won third prize for their paper “Hardware system of Socially Interactive Robot” in internal paper presentation contest organized by our Department on 18th February 2019.

- ❖ Ms.D.Jayasuriya of final year won first prize for the Project “Intelligent Two Wheeler System” in Project Expo held at Idhaya College of Engineering, Chinnasalem on 15th March 2019.

Journal Publications:

- ❖ Ms.K.Subasri, Ms.C.Subasri and Ms.M.Radhika of final year published a research paper under the guidance of Mr.G.Sadiqbasha, Associate Professor, titled “Density based Active Traffic Control Signal with Remote Override in Emergency and Security Boom Barrier”, Mr.M.Rajadurai, Mr.C.Santhoshraj and Mr.D.Ranjith of final year published a research paper under the guidance of Mrs.P.Sujatha, Associate Professor, titled “Early Detection and Prevention of Diabetic Neuropathy using Motion Sensing Shoes”, Ms.A.Nilofarnisha and Ms.M.Keerthana of third year and Ms.N.Padmapriya of second year published a research paper under the guidance of Mr.V.Thiyagarajan, Associate Professor, titled “Design of a PCM-based CAM Cell”, Ms.S.Rashithadevi, Ms.E.Vanaja and

Ms.A.Reshma of final year published a research paper under the guidance of Mr.V.Thiyagarajan, Associate Professor, titled “Hidden Camera Destroyer using Electro-Magnetic Pulse”, Ms.T.Sangeetha, Ms.J.Sathiyapriya and Ms.S.Sivaranjani of final year published a research paper under the guidance of Mrs.V.Gandhimathi, Associate Professor, titled “A Wireless Continuous Patient Monitoring System for Dengue using -WiMon”, Ms.L.Logajanani and Ms.S.Nithya of final year published a research paper “A Smart Card based Self Ticketing and Destination Alert by Automatic Highway Welcome Board Recognition System”, Ms.P.Divya, Ms.R.Kanimozhi and Ms.N.Priya of final year published a research paper “Design and Implementation of Automatic Multipurpose Agribot to Help Farming”, Ms.K.Yogeswari, Ms.S.Radhika and Ms.S.Sasikala of final year published a research paper under the guidance of Ms.L.Megala, Assistant Professor, titled “Vision based Approach for Gesture Recognition in Real time Applications”, Ms.D.Jayasuriya and Ms.J.Jeeva of third year published a research paper under the guidance of Prof.J.Joseph Ignatious, titled “Smart Bike for Safe Journey”, Ms.M.Deepika, Ms.S.Ayishabanu and Ms.D.Vishnupriya of third year published a research paper under the guidance of Prof.S.Jaya, titled “Hazardous Zone Monitoring System using Smart Mobile Robot”, Ms.Z.Fathima, Ms.D.Maheswari and Ms.J.Lalitha Malgothra of final year published a research paper under the guidance of Mr.S.Parthiban, Assistant Professor, titled “A Safety Enhanced Guiding System for the Vision Impaired Individual with VLC”, Ms.D.Radhika, Ms.A.Amshabanu and Ms.P.Bothana Bhuvaneshwari of final year published a research paper under the guidance of Mr.P.Paruthi Ilam Vazhuthi, Assistant Professor, titled “Alive Human body Detection and Tracking System using an Autonomous PC Controlled Rescue Robot”, Ms.M.Pavithra and Mrs.K.Jayanthi of final year published a research

paper under the guidance of Mrs.T.Priyadarsini, Assistant Professor, titled “An Electronic Plant for Monitoring and Controlling of Fish Farming in Pond”, Mr. G. Ajithkumar, Mr.D.Roopachandran and Mr.J.Bharath of final year published a research paper under the guidance of Prof. S. Jaya, titled “A Walking-assistant Robot for Visually Impaired Persons”, Ms.B. Bharathi, Ms. P. Kowsalya and Ms. V. Priyanga of final year published a research paper under the guidance of Mr.R.Balasubramanian, Associate Professor, titled “Forest Fire Detection and Alert-A Realtime Approach” and Mr. V.G.Prabu, Mr.S.Karthickraj, Mr.K.Vinothkumar and Mr.D. Pushparaj of final year published a research paper “Air Quality Measurement and Alert Robot for Real-time Application” in International Innovative Research Journal of Engineering and Technology, ISSN:2456–1983, Volume 4, September 2018.

- ❖ Ms.C.Viveka, Ms.A.Asmathjan and Mrs.M.Priya of first year M.E. published a research paper under the guidance of Mr.G.Sadiqbasha, Associate Professor, titled “Data Transmission Module for IoT based Gas leakage Detection system” in Journal of Applied Science and Computations, Volume 6, Issue 3, March 2019.

Conference Presentations / Workshop

Participations:

- ❖ Ms.D.Jayasuriya, Ms.V.Sathiyabama and Ms.J.Jeeva of final year presented a paper “A Complete Life saving Gadget for Two Wheeler Enthusiasts”, Ms.R.Abirami, Ms.V.Esaiyazhini and Ms.A.Anjana of final year presented a paper under the guidance of Mrs.T.Priyadarsini, Assistant Professor, titled “Integrating Renewable Energy Resources into Smart Grid : Recent Developments in Information & Communication Technology”, Ms.S.Ayisa banu, Ms.L.Sasina and Ms.D.Vishnpriya of final year presented a paper under the guidance of Mr.S.Parthiban, Assistant Professor, titled “Advanced Braille Phone using RaspberryPi”,7

Ms.P.Kirubadevi, Ms.M.Deepika and Ms.P.Ramyakrishnan of final year presented a paper under the guidance of Mr.G.Sadiqbasha, Associate Professor, titled “A Novel Approach to provide Protection for Women by Sing Smart Security Device”, Ms.S.Parameshwari and Ms.B.Nanthini of final year presented a paper under the guidance of Mr.P.Paruthi Ilam Vazhuthi, Assistant Professor, titled “IoT based Smart Garbage Tank for Monitoring and Sorting using Arduino UNO”, Mr.S.Mahadevan, Mr.K.Sugunesh and Mr.N.Rajakumaran of final year presented a paper under the guidance of Ms.L.Megala, Assistant Professor, titled “Electronic Voting System based on Biometric Authentication” and Mr.G.Arunkumar, Mr.R.Chandrasekaran and Mr.P.Bharathi of final year presented a paper under the guidance of Mrs.V.Gandimathi, Associate Professor titled “Spotting Traffic Signs and Categorization” in National Conference at Arunai Engineering College, Tiruvannamalai on 15th February 2019.

- ❖ Mrs.M.Priya, Ms.A.Asmathjan and Ms.C.Viveka of first year M.E. presented a paper titled “Data Transmission Module for IoT based Gas Leakage Detection System” in International Conference at Idhaya Engineering College for Women, Chinna Salem on 8th March 2019.
- ❖ Ms.A.Yogenthira Priyadharshika and Ms.S.Sankari of final year presented a paper under the guidance of Mrs.P.Sujatha, Associate Professor, titled “Automatic Detection and Control of Air Contamination in an Enclosed Indoor Environment” and Ms.P.Varalakshmi and Mrs.R.Divya of final year presented a paper under the guidance of Mr.R.Balasubramanian, Associate Professor, titled “Short term Re-Identification of Automatic Teller Machine users via Face and Thumb” in International Conference at our college on 23rd March 2019.

Paper Presentations / Project Expo

- ❖ Mr.G.D.Arunkumar and Mr.S.Mahadevan of final year presented a paper “A Wearable Device for Continuous Detection and Screening of Epilepsy

during Daily Life” in National level technical symposium held at Perunthalaivar Kamarajar Institute of Engineering and Technology, Karaikal on 31st August 2018.

- ❖ Ms.V.Sathiyabama and Ms.P.Ramya krishnan of final year presented a paper “A Promising Energy Solution using NanoTech”, Ms.D.Vishnupriya, Ms.L.Sasina and Ms.S.Aayishabanu of final year presented a paper “Brain Controlled Car”, Ms.A.Yogenthira Priyadharshika and Ms.S.Sankari of final year presented a paper “Collision Object Detection and Prevention of Train Accident Dynamically by Embedded system”, in National level technical symposium held at Dhanalakshmi Srinivasan Engineering College, Perambalur on 7th September 2018.
- ❖ Ms.P.Kirubadevi, Ms.M.Deepika and Ms.S.Parameshwari of final year presented a paper “Recent Advance Application of Graphene”, Ms.P.Varalakshmi and Ms.R.Abirami of final year presented a paper “Design of GSM based Home Automation” in National level technical symposium held at C.K. College of Engineering and Technology, Cuddalore on 7th September 2018.
- ❖ Ms.A.Nilofarnisha and Ms.M.Keerthana of final year presented a project “Automated Irrigation System” in National level project contest conducted by Sri Manakula Vinayagar Engineering College, Puducherry on 15th September 2018.
- ❖ Ms.E.Kiruthika and Ms.P.Sivaganga of third year presented a paper “RF Energy Harvesting based Charging the Low Power Devices” and Ms.A.Anitha of third year presented a paper “Automation AGRI Robot using IoT with Intelligent Agriculture” in National level technical symposium held at Idhaya Engineering College for Women, Chinna Salem on 6th October 2018.
- ❖ Ms.R.Sunitha and Ms.S.Semmozhiyal of third year presented a paper “Internet on Things” in the National level technical symposium conducted by

Tagore College of Engineering and Technology, Deviyakurichi,Attur on 23rd February 2019.

- ❖ Ms.S.Ayishabanu, Ms.D.Vishnupriya and Ms.L.Sasina of final year presented a paper “GPS” in National level technical symposium held at Idhaya Engineering College for Women, Chinna Salem on 26th February 2019.
- ❖ Ms.D.Jayasuriya and Ms.J.Jeeva of final year presented a project “Smart Two Wheeler” in 18th ISTE Engineering Students Convention, 2018-2019, Tamilnadu Section Program organized at Sri Sairam Engineering College, Chennai on 1st March 2019.

Workshop/Seminar Participations:

- ❖ Ms.P.Sivaganga, Ms.E.Kiruthika and Ms.A.Anitha of third year and Ms.A.Nilofarnisha and Ms.M.Keerthana of final year attended workshop on “Design and Simulation of Microstrip Antenna using HFSS” held at Idhaya Engineering College for Women, Chinna Salem on 6th October 2018.
- ❖ Mrs.M.Priya, Ms.A.Asmathjan and Ms.C.Viveka of first year M.E. attended AICTE MODROBS scheme sponsored National level workshop on “Recent Developments in Photonics & Optical Communication using Optsim Software” organized by IFET College of Engineering, Villupuram during 29th and 30th November 2018.
- ❖ Ms.J.Jeeva of final year attended practical high end technology workshop on “Ethical Hacking” at KAASHIV INFOTECH, Chennai on 10th December 2018.
- ❖ Mrs.C.Viveka and Mrs.M.Priya of first year M.E., attended a workshop on “Applications of Fibre Optics” and “Embedded Robotics” and Ms.A.Asmathjan of first year M.E., attended a workshop on “Android App Development” and “Machine Learning” workshop in National level technical symposium held at University College of Engineering, Villupuram 15th and 16th March 2019.

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Association (ASCOPE) Activities:



- ❖ ASCOPE in association with ISTE and Career Guidance Bureau organized the inauguration of association activities for the year 2018-19 and Guest lecture on “Present Scenario of Sugar Industries in India”, was delivered by Mr.B.Natarajan, Assistant General Manager (CANE) E.I.D.-Parry (INDIA) Limited, Nellikuppam on 18th August, 2018.
- ❖ ASCOPE in association with ISTE and Career Guidance Bureau organized Intra college level technical symposium on 20th September 2018. Dr. S.Ganesh Kumaran, Associate Professor, Sri Manakula Vinayagar Engineering College, inaugurated the event and evaluated the papers.
- ❖ ASCOPE in association with ISTE and Career Guidance Bureau organized value added courses on “House Wiring” and “Motor Rewinding” on 21st January 2019 and 4th February 2019 respectively by Mr. R.Vimal Prakash, Assistant Professor.
- ❖ ASCOPE in association with ISTE and Career Guidance Bureau organized “E3 HALCONES - A National level technical symposium” on 27th February 2019. The inaugural address was given by Er.A.Sivaraman, Assistant Executive Engineer, TANGEDCO, Namakkal Electricity Distribution Circle, Namakkal.
- ❖ ASCOPE in association with ISTE and Career Guidance Bureau organized certificate course on “Energy Management and Energy Auditing” by

Mr. M.B. Annadurai, Assistant Professor on 12th April 2019.

- ❖ ASCOPE in association with ISTE and Career Guidance Bureau organized certificate course on “Introduction to MATLAB” by Mr. S. Manimaran, Assistant Professor on 13th April 2019.

Faculty activities:

Workshop / Faculty Development Programme / Conference Participations:

- ❖ Mr. S.Arunpandiyan, Mr.M.B.Annadurai, Mr. R.Vimal Prakash and Mr. H.Deenadhayalan, Assistant Professors attended workshop on “Design and Simulation of Microstrip Antenna using HFSS” at Idhaya Engineering College for Women, Chinnasalem on 6th October 2018.
- ❖ Ms.P.Meena, Assistant Professor attended two days National level workshop on “Recent Developments in Photonics & Optical Communication using OptSim Software” at IFET College of Engineering, Villupuram on 29th and 30th November 2018.
- ❖ Mr. S.Arunpandiyan, Mr.S.Manimaran, Ms. S.ThangaRenuga Devi, Ms. G.Gaja and Mr.V. Elamsraj, Assistant Professors attended National seminar on “Emerging Trends in the Operation and Control of Wind Energy Systems” at Annamalai University on 8th and 9th December 2018.
- ❖ Mr. H.Deenadhayalan, Assistant Professor attended two days National level workshop on “Embedded System and IoT Applications” at St.Anne's College of Engineering and Technology, Panruti from 26th to 28th December 2018.

Students Activities:

Paper Presentations:

- ❖ Ms. K.Kayalvizhi and Ms. R.Renugadevi of second year presented a paper “Smart Grid and Technology” and Mr. G.Dharmaraj of third year presented a paper “Wireless Electricity” in National level technical symposium held at Dhanalakshmi Srinivasan Engineering College, Perambalur on 7th September 2018.

- ❖ Ms. K. Santhiya and Ms. K.Kathun Bee of final year presented a paper “Green Electricity” and Ms.S. Sivapriya and Ms. M. Bakkiyalakshmi of final year presented a paper “Converting Municipal Solid Waste into Clean Electric Power” in National level technical symposium held at Idhaya Engineering College for Women, Chinnasalem on 6th October 2018.
- ❖ Ms. K. Santhiya and Ms. M. Bakkiyalakshmi of final year presented a paper “Electricity for Farmers” and won first prize and further won first prize in “Technical connection” event in National level technical symposium held at M.R.K Institute of Technology, Nattarmangalam on 23rd March 2019.

Conference Presentations:

- ❖ Mr. R.M. Arun, Mr. V. Durairaj, Mr. R. Mohankumar and Mr. K. Ajithkumar of final year presented a paper under the guidance of Mr. S. Arunpandiyar, Assistant Professor titled “A Real Time Two Way Communication Contactless Sign Language to Speech and Text Correction”, Mr. R. Gunasekar, Mr. J. Jayakumar and Mr. J. Dharanidharan of final year presented a paper under the guidance of Mr. M.B. Annadurai, Assistant Professor titled “IOT based Controlling of Hybrid Energy System with Auto Direction”, Mr. A M. Murugan, Mr. R. Parthiban, Mr. A. Vignesh and Mr. M. Yuvaraj of final year presented a paper under the guidance of Mr. S. Manimaran, Assistant Professor titled “Arduino based Automatic Fault Detection and Isolation in Distribution System using Protective Devices”,



Mr. S. Santhosh, Ms. R. Suriya, Ms. M. Vijayalakshmi and Mr. M. Ramkumar of final year presented a paper under the guidance of Ms. S.ThangaRenuga Devi, Assistant Professor titled “High Efficiency Wireless Power Transmission using Magnetic Resonance and Monitor by IOT”, Ms. V. Archana, Ms. M. Bakkiyalakshmi, Ms. K. Kathun Bee and Ms. B. Madhumitha of final year presented a paper under the guidance of Ms. G. Gaja, Assistant Professor titled “Advanced Security System for Women by using GPS live Location with Android Applications”, Mr. S. Balachandran, Mr. A. Dhineshnilavan, Mr. R. Madhankumar and Mr. G. Subash of final year presented a paper under the guidance of Mr. S. Manimaran, Assistant Professor titled “Arduino based Automatic Accident Detection System for Smart Car using Ultrasonic Sensor and Li-Fi”, Mr. K. Dharunkumar, Mr. P. Manikandan, Mr. R. Selvamuthukumaran and Mr. K. Vignesh of final year presented a paper under the guidance of Mr.V.Elamsraj, Assistant Professor titled “Switched Capacitor based 15-Level Inverter Width Selective Harmonic Reduction”, Mr. S. Deepak, Mr. B. Elumalai, Mr. D. Ezhilarasan and Mr. B. Kabilan of final year presented a paper under the guidance of Mr. R.Vimal Prakash, Assistant Professor “PLC based Automatic Irrigation System by using IOT”, Mr. M. Kumaragurubaran, Mr. S. Manjunadhan, Mr. E. Prabakaran and Mr. R. Ravichandran of final year presented a paper under the guidance of Mr. H.Deenadhayalan, Assistant Professor titled

“RFID based Smart Waste Management with Credit System”, Ms. S. Ramanaeswari, Ms. K. Santhiya, Ms. S. Sivapriya and Ms. R. Vinita of final year presented a paper under the guidance of Mr. P. Meena, Assistant Professor titled “PLC based Industrial Monitoring System”, in International Conference at our college on 23rd March, 2019.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Association (ASCOME) Activities:

- ❖ The Association of Computer Engineers (ASCOME) of Department of Computer Science and Engineering in association with ISTE & Career Guidance Bureau organized inauguration of the association activities (ASCOME - 2018) and seminar on “Opportunities and Challenges in Today's IT”, presided by Mr.M.Jathish Vanan, IT Analyst, TATA Consultancy Services, Chennai on 1st September 2018.
- ❖ ASCOME organized a National level technical symposium "INNO-FUSION'19" in association with ISTE on 13th March 2019. The inaugural address was given by Er.M.ArunPrakash, Founder & CTO, GUVI Geek Network Private Limited, Chennai.
- ❖ ASCOME in association with ISTE and Career Guidance Bureau organized internal paper presentation contest on 27th February 2019. Dr.A.Jagan, Head of the Department of Computer Science and Engineering, Surya Group of Institutions, Villupuram inaugurated the event and evaluated the papers presented.
- ❖ ASCOME in association with ISTE and Career Guidance Bureau organized two days intensive workshop on “Smart Phones Service Training” on 24th and 25th January 2019 by Mr. B. Krishna Kumar, Managing Director, New Technology, Coimbatore.

Staff Activities:

Faculty Pursuing Higher Studies:

- ❖ Mr.A.Partha Sarathy, Associate Professor is pursuing Ph.D. at Rayala Seema University.
- ❖ Mrs.J.K.Jothikalpana, Professor,



Mr.M.BalaAnand and Mrs.G.Sumalatha Assistant Professors are pursuing Ph.D. in Anna University.

Guest Lectures:

- ❖ Mr.N.Gobinathan, Assistant Professor acted as resource person in the Anna University sponsored Faculty Development Training Programme and delivered guest lecture on “Database Management System” at University College of Engineering, Tindivanam on 5th December 2018 and delivered guest lecture on “R Language” at SRM Institute of Science and Technology, Ramapuram campus on 26th February 2019.

Paper Publications:

- ❖ Mr.M.BalaAnand, Assistant Professor published papers “Early Detection and Prediction of Amblyopia by Predictive Analytics using Apache Spark”, “BAU-FAM: Biometric-Blacklisting Anonymous Users using Fictitious and Adroit Manager”, “Designing a Framework for Communal Software: based on the Assessment using Relation Modeling”, “Intelligent Security Algorithm for Unicode Data Privacy and Security in IOT” and “Dominant Gray Level based K-Means Algorithm for MRI Images” in International Journal of Pure and Applied Mathematics, International Journal of Parallel Programming - Springer (Annexure I), Service Oriented Computing and Applications - Springer (Scopus indexed), Health and Technology and Springer (Scopus Indexed) during July 2018, August 2018, November 2018 and February 2019 respectively.



- ❖ Mrs.J.K.Jothi Kalpana, Professor published a paper 'Medical Image Pattern Matching Process using Expectation Maximization with Fuzzy Rules', in Journal of Medical Imaging and Health Informatic, Vol9, 2019 (Annexure I).

FDP/Workshop/Seminar Participations:

- ❖ Mr.S.Bharathiraja and Mrs.G.Sumalatha Assistant Professors attended one day workshop on "App Development for iphones" at Sona College of Technology, Salem on 15th December 2018.

Students Activities:

Paper presentations, Prizes and Awards:

- ❖ Ms.V.Swathi and Ms.S.Thaslima Nasrin of second year presented a paper "Big Data Analytics" and won second prize, Mr.V.Mugilan and Mr.K.Manikandan of second year won first prize and Ms.S.Thaslima Nasrin and Mr.S.Shaik Shameer, of second year won second prize in "connections" and Mr.R.Hariharan, Mr.K.Balaji and Ms.M.Nithya of second year won first prize and Mr.S.Shaik shameer and Mr.K.Manikandan second year won third prize in AD-ZAP in National level technical symposium organized at MRK Institute of Technology, Kattumannarkoil, on 2nd March 2019.
- ❖ Ms.D.Soundarya of third year presented a paper "Sentiment Analysis" in National level technical symposium conducted at University College of Engineering, Ariyalur on 25th September 2018.
- ❖ Ms.S.Vinitha and Ms.R. Prabavathy of third year presented a paper "Big Data", Ms.K.Gunasundari

and Ms.S.Bhavani of third year presented a paper "Cyber Security", Mr.A.Arul kumar, Mr.M.Balaji and Mr.M.Muralitharan of third year presented a paper "A Low Power High Performance of SOC platform for IOT Application", Mr.S.Nirmal Kumar, Mr.G.Vijayakumar and Mr.R.Gandhi of third year presented a paper "Artificial Intelligence", Mr.S.Madusoodhanan and Mr.B.Guruchandran of third year presented a paper "Machine learning", Mr.S.Subash and Mr.V.Sarathi of third year presented a paper "Virtual Private Network ", Mr.M.Sridhar and Mr.S.Saranraj of third year presented a paper "An Implementation of IOT for Healthcare", Mr.V.Arul of third year presented a paper "Early Detection of Amblyopia using Apache Spark" under the guidance of Mr.M.BalaAnand, Assistant Professor , Mr.B.Akash of final year presented a paper "Game Programming" and Ms.R.Nalini of final year presented a paper "Sixth Sense Technology" in National level technical symposium organized by University College of Engineering, Panruti, on 27th September 2018.

- ❖ Ms.I.Sarumathi and Ms.M.Nithya of second year presented a paper "Touchless Touchscreen Technology", Mr.R.Hariharan and Mr.K.Balaji second year presented a paper "Grid Computing" and Ms.G.V.Sudarvizhi, Mr.Shaik shameer, Mr.V.Mugilan and Mr.K.Manikandan of second year presented a paper "Artificial Intelligence" in National level technical symposium organized by MRK Institute of Technology, Kattumannarkovil, on 2nd March 2019.

Conference Presentations / Paper Publications:

- ❖ Ms.G.Bagyalakshmi and Mrs.J.Rajasri of final year presented a paper "Heart Disease Prediction by using K-Means Clustering and Classification Algorithm" under the guidance of Mrs.J.K.JothiKalpana, Professor, Mr.V.Boobalan and Mr.D.Selvaraj of final year Presented a paper "Automatic Car Parking System using Raspberry-Pi with Cloud Storage Environment" under the guidance of Mrs.A.Niranjana Devi, Professor, Ms.P.Jaya Preetha and Ms.R.Nalini of final year

Presented a paper “Detection of Collective Behavior of Spambot using Digital DNA” under the guidance of Mrs.N.Kavitha, Associate Professor, Ms.M.Malathi and Ms.N.Subalakshmi of final year presented a paper “Smart Garbage Segregation for Recycling through IoT” under the guidance of Mr.S.Bharathiraja & Mrs.S.Sumalatha Assistant Professors, Mr.B.Akash and Mr.S.Ragavendiran of final year presented a paper “TPS Game Template with Enemy Artificial Intelligence using Behavior Tree and Photogrammetry” under the guidance of Mr.K.Ramesh, Assistant Professor, Ms.R.Indumathi and Ms.S.Varalakshmi of final year presented a paper “Statistical analysis of CO₂ Emission based on IoT” under the guidance of Mr.P.Manivannan & Mr.M.Sabareesan, Assistant Professors, Mr.A.Abisheak and Mr.K.Gopalakrishnan of final year presented a paper “A Novel Approach to IoT based Patient Health Monitoring” under the guidance of Mr.M.BalaAnand, Assistant Professor, Ms.R.Sangeetha and Ms.J.Thillaiyarasi of final year presented a paper “Segmentation of Brain Tumor and Edema using Neural Network” under the guidance of Mr.N.Gobinathan, Assistant Professor, Ms.M.Monisha and Ms.M.Parvathi of final year presented a paper “Network Analysis of Contingencies of Self-worth Scale for Student Behavior” under the guidance of Mr.V.Vinothraj, Assistant Professor and Mr.V.Muthu and Mr.P.Rajkumar of final year presented a paper “Automatic LPG Gas Booking and Monitoring

System using Load Cell” under the guidance of Mr.K.Veeramanikandan, Assistant Professor in International Conference held at our college on 23rd March 2019.

Technical Event Participations:

- ❖ Mr.S.Saranraj and Mr.S.Subash of third year & Mr.B.Akash and Mr.S.Ragavendran of final year participated in “Hackathon” in GEXIN 2018 at Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science & Technology, Chennai from 4th to 7th October 2018.

Workshop/Seminar Participations:

- ❖ Ms.R.Nalini of final year attended one day workshop on “Artificial Intelligence & Python” at SSN College of Engineering, Chennai on 22nd September 2018.

DEPARTMENT OF CIVIL ENGINEERING

Association (ACE) Activities:

- ❖ A National level seminar and inauguration of department activities were conducted jointly by the ACE and ISTE on 14th September 2018. Dr.S.Jeyachandran, Vice President, Marutham Group, Chennai delivered the guest lecture on “Special Concrete-Recent Practices”.
- ❖ Internal Paper Presentation contest was conducted on 28th February 2019 and judged by Mrs.V.V.Thirumuruga Poiyamozhi, Head of Department of Civil Engineering, University College of Engineering, Panruti and delivered a lecture on “Robotics in Civil Engineering”.
- ❖ The ACE organized National level technical symposium in association with ISTE on 8th March 2019. The inaugural address was given by





Mr.M.Panneerselvam, Superintendent Engineer, Highways Department, Villupuram.

- ❖ The ACE organized two days workshop on “Modern Surveying using Total Station” on 11th & 12th March 2019 by Mr.A.Selvam, Managing Director, SSM Engineering and Survey, Chennai.

Staff Activities:

Workshop / FDP Participations

- ❖ Mr.N.Ravikumar and Mr.A.George Fernandez Raj, Assistant Professors participated in National level workshop on “Recent Advancements in Structural Engineering” at M.N.M Jain Engineering College, Chennai on 14th and 15th November 2018.
- ❖ Mr.P.Vijayakumar, Assistant Professor attended ten days workshop on “Students Induction Program” organised by AICTE, New Delhi at Eswari Engineering College, Chennai from 15th to 17th November 2018 and from 3rd to 9th December 2018.
- ❖ Mr.N.Ravikumar, Mr.A.George Fernandez Raj, Ms.M.Kalpana, Ms.S.Vainavi and Mr.A.Arul Jebaraj Assistant Professors participated in one day workshop in 3rd National Finite Element Developers Meet -2018 organized by Vikram Sarabhai Space Centre, Indian Space Research Organisation (ISRO) at Panimalar Engineering College, Chennai on 14th December 2018.
- ❖ Ms.C.Thilagavathy, Ms.S.Vainavi and Mrs.J.Jayapriya, Assistant Professors attended five days Faculty Development Training programme on “Design of Steel Structures” at



SSN College of Engineering, Chennai from 3rd to 7th December 2018.

Conference Presentations

- ❖ Mr.N.Ravikumar, Assistant Professor presented a paper on “Production of Biogas from Kitchen Waste” in National level conference on “Recent Trends in Civil Engineering” at Arunai Engineering College, Tiruvannamalai on 5th February 2019.
- ❖ Mr.A.Kumar and Ms.P.Jayanthi Assistant Professors participated in 3 days National level Faculty Development Program on “Meticulous Applications of Softwares in Civil Engineering” at St. Joseph Institute of Technology, Chennai from 9th to 11th May 2019.

Students Activities:

Technical Events:

- ❖ Mr.S.Sharukhan, Mr.K.Saravanan, Mr.M.Santhosh and Mr.V.Siranjeevi of final year and Mr.E.Anandha Kumar and Mr.P.Tamilselvan of third year participated in one day workshop on “Waste Management” organized by CADD Centre, Villupuram on 25th July 2018.
- ❖ Mr.A.Mohammed Musthak of final year presented a paper “Earthquake Resistance Building Construction” and won 2nd place in National level technical symposium at Parisutham Institute of Technology & Science, Tanjore on 10th and 11th August 2018.
- ❖ Mr.A.Mohammed Musthak and Mr.S.Mohamed Fazil of final year participated in paper presentation and poster presentation on “Need of

Civil Engineers in Agriculture” in National level technical symposium at M.A.M. College of Engineering, Tiruchirappalli on 17th August 2018.

- ❖ Ms.N.Maniarasi of second year presented a paper “Light Transmitting Concrete” in National level technical symposium at Dhanalakshmi Srinivasan Engineering College, Perambalur on 7th September 2018.
- ❖ Mr.A.Mohammed Musthak of final year presented a paper “Partial Replacement of Waste Glass Pieces” in National level technical symposium at Dhanalakshmi Srinivasan Engineering College, Perambalur on 7th September 2018 and also presented the same paper in National level technical symposium at University College of Engineering, Panruti on 19th September 2018.
- ❖ Mr.A.R.Abdul Romayzan and Mr.P.Balamurugan of final year participated and won 2nd prize in Poster Presentation on “An Experimental Study on the Behaviour of Bitumen”, Mr.A.Kishore and Mr.P.Balamurugan of final year participated in Poster Presentation on “U_BOOT Technology” and won 2nd prize, Mr.S.Syed Abdullah and Mr.V.Ajith Kumar of final year presented a paper on “Porous Pavement”, Mr.M.Dhinesh Kumar of final year presented a paper on “Partial Replacement of Coarse Aggregate”, Mr.A.Rajkumar and Mr.P.Prakash of final year presented a paper on “Water Management”, Ms.K.Yamuna and Ms.Sathiya Natesan of final year participated in poster presentation on

“Porous Concrete” and Mr.E.Aravindraj and Mr.N.Navinraj of final year participated in “Technical Quiz” and won 2nd prize and Mr.S.Antony Peter, Mr.R.Sivachandiran, Mr.K.Vijay and Mr.K.Velmurugan of final year participated in “Code Cracking and Drafting” in National level technical symposium at University College of Engineering, Panruti on 19th September 2018.

- ❖ Ms.T.Monisha and Ms.K.Bharathipriya of third year participated in one day workshop on “Cyber Security” organized by Department of Computer Science at Theivanai Ammal College for Women, Villupuram on 24th January 2019.
- ❖ Ms.T.Monisha of third year presented a paper “Production of Biogas from Kitchen Waste”, Ms.N.Maniarasi and Ms.M.Lavanya of second year presented a paper on “Light Transmitting Concrete” in National level conference at Arunai Engineering College, Tiruvannamalai on 5th February 2019.
- ❖ Mr.E.Anandhakumar, Mr.E.Ezhilarasan, Mr.K.Magenthiran and Mr.N.Naveenraj of third year participated in one day workshop on “Essential of Thesis Writing and Hands on Training in Octave” organized by Department of Mathematics and Research & Development Cell at Theivanai Ammal College for Women, Villupuram on 8th February 2019.
- ❖ Mr.E.Anandhakumar and Mr.N.NaveenRaj of final year won 2nd place in Poster Presentation on “Partial Replacement of Coarse Aggregate with Glass Pieces” and participated in “Code Cracking” event in National level technical symposium at CK College of Engineering and Technology, Cuddalore on 2nd March 2019.

DEPARTMENT OF SCIENCE AND HUMANITIES

Staff Activities:

Paper Presentations:

- ❖ Ms.M.Tamilarasi, Assistant Professor in English presented a paper "Critical Discrimination in Woie Sovinka's The Lion and The Jewel", in National Conference on Language, Literature,



Culture and Marginality: A Global Perspective”(NCLLCM 2019), at Periyar Govt. Arts College, Cuddalore on 4th March 2019.

- ❖ Mr.V.Jayakkumar, Assistant Professor in Chemistry presented a paper “Spectral Studies and Antibacterial Activity of Schiff base Metal Complexes derived from Furfuraldehyde”, in National level Conference at St. Joseph College of Arts and Science, Cuddalore on 8th March 2019.

DEPARTMENT OF PHYSICAL EDUCATION

Participations & Achievements:

- ❖ Mr.R.Ajith Kumar of final year Mechanical won the championship in National level yogasana competition - 2018 at Arasu Engineering College, Kumbakonam on 19th June 2018.
- ❖ Mr.S.Sarathbabu of second year Mechanical got selected in Villupuram District Cricket Team: Under-19 Cricket Team to play TNCA Inter District Cricket Tournament conducted at Nagapatinam from 23rd to 28th August, 2018.
- ❖ Our football team won the first place in Anna University Zone V Football (Men) Tournament conducted at our college on 16th and 17th August, 2018.
- ❖ Our Kho-Kho team won the first place for the fifth consecutive year in Anna University Zone V Kho-Kho (Men) Tournament conducted at our college on 20th and 21st September 2018.
- ❖ Our Hockey Team (Men) won third place in Anna University Zone V Hockey Tournament conducted at Mailam Engineering College, Mailam on 18th and 19th September 2018.
- ❖ Our Shuttle Badminton Team (Men) won second place in Anna University Zone V Badminton Tournament conducted at Adhiparasakthi Engineering College, Melmaruvathur on 5th and 6th October, 2018.
- ❖ Athletic Team (Men) won third place and won the following medals and certificates in Anna University Zone V Athletic meet conducted at Adhiparasakthi Engineering College, Melmaruvathur on 28th and 29th September, 2018.
- Mr. S. Sethupathy of third year EEE secured first place in 5,000 mts.



- Mr. M. Vijay of third year Mechanical secured first place in High Jump
- Mr. S. Sethupathy of third year EEE secured second place in 10,000 mts
- Mr.M.Vijay of first year Mechanical secured second place in triple jump
- Mr.S.Praveenkumar of second year Mechanical secured third place in 200 mts
- Mr.A.Krishnamoorthy of final year Mechanical secured third place in shot-put
- ❖ Our Football team participated in Anna University Inter Zone Football (Men) Tournament conducted by Adhiyamaan College of Engineering, Hosur on 1st and 2nd September, 2018.
- ❖ Our Kho-Kho team participated in Anna University Inter Zone Kho-Kho (Men) Tournament conducted by College of Engineering, Guindy on 1st and 2nd October, 2018.
- ❖ Our Cricket team won 8th Kapil Dev Rolling Trophy T20- Inter Collegiate Cricket Tournament conducted by our college from 1st to 8th February





2019. Mr. K.Guna of final year was awarded "Player of the Final Match".

- ❖ Mr.M.Kiruba Raj of first year EEE won the championship in Kung- Fu National level championship 2018-19 held at Jawaharlal Nehru Stadium Chennai on 17th February 2019.
- ❖ Mr. L. Vijay of second year Mechanical got selected in Villupuram District Cricket Team: Under-19 Cricket Team to play TNCA Inter District Cricket Tournament conducted at Chennai from 3rd to 5th June 2019.
- ❖ Dr. A. Murali, Director of Physical Education was appointed as selector for Anna University Kho-Kho (Men) Team for South Zone Inter University competition at College of Engineering, Guindy on 1st and 2nd October, 2018.
- ❖ Dr.A.Murali, Director of Physical Education was appointed as selector of Anna University Ball Badminton (Men) Team for South Zone Team held at Kumaraguru College of Technology, Coimbatore on 1st and 2nd December 2018.
- ❖ Dr.A.Murali, Director of Physical Education was appointed as Team Manager for Anna University Cricket (Men) Team for South Zone Inter



University competition held at Visvesvaraya Technological University, Belagavi, Karnataka from 14th to 24th January 2019.

- ❖ Dr.A.Murali, Director of Physical Education, completed ICC Level-I Cricket Coaching Program held at Dubai from 12th to 16th June 2019.

Editorial Committee :

Mr. V. Vinothraj, AP / CSE
 Ms. V. Vinothini, AP / Civil
 Mr. S. Anandha Kumar, AP / Mechanical
 Mr. S. Manimaran, AP / EEE
 Mrs. P. Sujatha, Asso. prof / ECE
 Mr. K. Sivakumar, AP / Mathematics
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