

SVChronicle

Newsletter



SRI VENKATESWARA COLLEGE OF ENGINEERING
Pennalur, Sriperumbudur Tk. - 602 117 Tamil Nadu, India
AUTONOMOUS
AFFILIATED TO ANNA UNIVERSITY
Accredited by NBA and Approved by AICTE, New Delhi
An ISO 9001:2015 Certified Institution



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Department Activities

Department of Automobile Engineering

Workshops/FDPs/Conferences

Dr S Premnath, Associate Professor participated in a Sensitization Programme on NAAC Peer Team Visit (PTV) preparation at Sri Venkateswara College of Engineering on June 25 2022.

Mr. J. Dhanabal Assistant Professor participated in a Five Day online Faculty Development Programme on “Operation and Programming of Industrial Robot” organized by Sri Venkateswara College of Engineering from May 23 2022 to May 27 2022.

Dr S Premnath, Associate Professor participated in a seminar titled “Implementation of 5S and Quality Circles in HEI” at Sri Venkateswara College of Engineering on April 28 2022.

All faculty members of the department have participated in a Six Day Online Faculty Development Programme on “Applied Thermodynamics for Engineers” organized by Sri Venkateswara College of Engineering from March 31 2022 to April 07 2022.

Mr. Ramanjaneyulu Kolla, Assistant Professor participated in a Five Day online Faculty Development Programme on “MATLAB applications to Electric Vehicle, Smart Grid and Battery Management Systems” organized by Department of Electrical and Electronics Engineering, SVCE in association with MathWorks & Design Tech Systems Pvt.Ltd. from January 20 2022 to January 25 2022.

Students' Achievements

Our college team “TRAXION OFF-ROADING” consisting of 15 Automobile and 10 Mechanical Engineering students, guided by Dr V. Ganesh Associate Professor, and Mr R.Sakthivel Assistant Professor, participated in a National level SAEINDIA BAJA 2022, a technical event held at NATRAX, Pithampur, Madhya Pradesh from April 04 2022 to April 10 2022. Team TRAXION OFF-ROADING secured an overall position of 34 out of 138 participated teams. The team also won 1st Runner-up in “Cost- Event” and “Innovation – Event”.



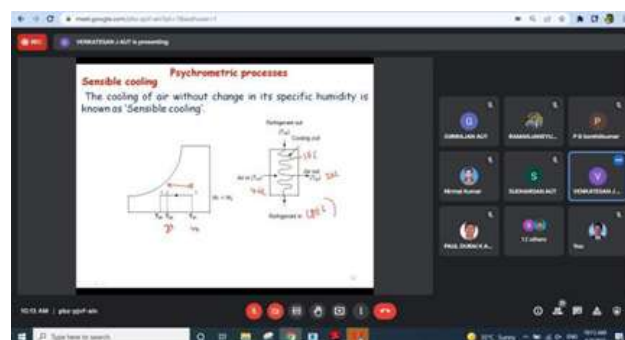
Faculty Publications

N Tamiloli, J Venkatesan, P Raja Raghu Vamsi Krishna and T Sampath Kumar published a paper titled, “Time domain and frequency domain of coated milling inserts using FFT spectrum”, in the International Journal of Materials and Manufacturing Processes, Taylor & Francis, pp. 1-11, 2022.

N. Tamiloli, J. Venkatesan, T. S. Kumar, A. J. Ashwin, published a paper titled “Milling Parameters On AA-6082-T6 Alloy Using Grey Relational Analysis, Regression, ANN, and GA Models”, in Journal of the Balkan Tribological Association, Vol. 28, No. 2, Page 233-264.

Dhanesh C, N Tamiloli, J Venkatesan, Gogula Vinay, Pagadala Manoj Sai, Shaik, Mohammad Irfan, T Sampath Kumar presented and published a paper titled “Comparison of Sugeno-type and Mamdani-type fuzzy inference systems for end milling process”, in AIP Conference Proceedings, AIP Publishing LLC, Vol. 2395, Issue 1, Page 040012.

Faculty as Resource Person



Dr. J. Venkatesan, Professor, has delivered a lecture titled “Psychrometry and Air conditioning” in the Faculty Development Programme on “Applied Thermodynamics for Engineers”, organized by Sri Venkateswara College of Engineering on April 07 2022.

Dr. J. Venkatesan, Professor, has delivered a lecture titled “Steam and Gas Turbines” in the Faculty Development Programme on “Applied Thermodynamics for Engineers”, organized by Sri Venkateswara College of Engineering on April 05 2022.

Dr. J. Venkatesan, Professor, has delivered a lecture titled “Gas Power Cycles” in the Faculty Development Programme on “Applied Thermodynamics for Engineers”, organized by Sri Venkateswara College of Engineering on April 04 2022.

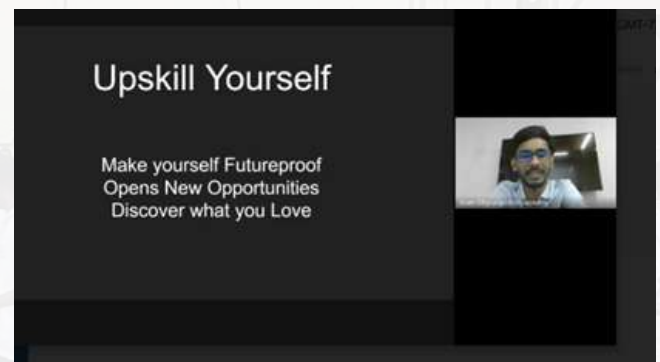
Dr. V. Ganesh, Associate Professor, has delivered a lecture titled “Study of Thermodynamic Process using MATLAB” in the Faculty Development Programme on “Applied Thermodynamics for Engineers”, organized by Sri Venkateswara College of Engineering on April 04 2022.



Mr. M. Ramshan, Design Release Engineer, Ford Motor Private Limited, Chennai, has delivered a lecture on “Interaction on Automotive Trends” on June 03 2022.



Mr. S. Sivakumar, Head – Industrial Design, Royal Enfield, Chennai, has delivered a guest lecture on “Motorcycle Design & Career Opportunities In Automobile Field” on April 07 2022.



Mr. Aswin Dhananjai Krishnaswamy, Product Manager, Ninjacart, has delivered a guest lecture on “Entrepreneurship Opportunities For Young Engineers” on March 23 2022.

Expert Lectures

Mr. Vijay Antanoy, Section Manager, Renault Nissan Technology and Business Center India Pvt. Ltd., Chennai, has delivered a lecture on “Noise Vibration & Harshness” on June 07 2022.



Events Organised

Dr. J. Venkatesan, Professor, Mr. R. Sakthivel and Mr. A. K. Boobalasantilraj Assistant Professors organized a Six Day Online Faculty Development Programme on “Applied Thermodynamics for Engineers” at Sri Venkateswara College of Engineering from March 31 2022 to April 07 2022.

The Department of Automobile has organized a one day Industrial Visit for II year students to Sundaram Fasteners Limited, Maraimalainagar on April 13 2022. Mr. Ramanjaneyulu Kolla, Assistant Professor and Mr. R. Ramesh, Mechanic accompanied the students for the visit.

Department of Biotechnology

Workshops/FDPs/Conferences

Dr. K. Ganesh Prasath presented a paper entitled “Efficacy of furan bioactive targeting biofilm-based virulence in Candida albicans” at International Conference on Recent Advances in Bioscience and

Bioengineering 2022 conducted by SRMIST Chennai from 23.02.2022 to 25.02.2022.

Ms. U. Vidhyadevi presented a paper entitled “Consolidated bioprocessing of fruit wastes into biofuel using novel osmo-ethanol tolerating isolates and recovery by ionic liquid: A recent

approach in Waste to Energy” at International Conference on Recent Advances in Bioscience and Bioengineering 2022 conducted by SRMIST Chennai from 23.02.2022 to 25.02.2022.

Dr. G. Karthigadevi presented a paper entitled “An Insight study on the Assessment and removal of Doxycyclin - A Class of tetracyclin antibiotic from industrial effluents” International Conference on Recent Advancements in Chemical, Environment and Energy Engineering (RACEEE 2022) organised by SSN College of Engineering, Chennai from 24.02.2022 to 25.02.2022.

Dr. K. Vasantharaj presented a paper entitled “Anthocyanins: Exploring the emergence of natural pigments as food colorants” at International Conference on Recent Advancements in Chemical, Environment and Energy Engineering (RACEEE 2022) organised by SSN College of Engineering, Chennai from 24.02.2022 to 25.02.2022.

Dr. K. Ganesh Prasath, Mr. J. Hariharan, Ms. U. Vidhyadevi participated in the FDP on “Applications of CRISPR-Cas9 gene editing tool” organised by Maulana Abul Kalam Azad University of Technology, West Bengal from 07.02.2022 to 11.02.2022

Dr. K. Vasantharaj participated in the Workshop on “Teaching and Learning in Higher and Professor Education-Challenges and Opportunities” organised by Institute for Engineering Research and Publication, Chennai on 18.04.2022

Dr. V. Sumitha participated in the Workshop on “Optimisation of process parameters using Minitab” organised by Bannari Amman Institute of Technology, Sathyamangalam from 21.04.2022 to 22.04.2022.

Dr. P. K. Praveen Kumar presented “Role of IPR in Biotechnology” in Ministry of Education (MoE) Innovation cell sponsored seminar in the World IPR day celebrations organised by IIC, SVCE, Sriperumbudur, 26.04.2022.

Mr. J. Hariharan participated in the Webinar on “Part I: Microbiological Quality Control in Pharmaceutical Industry; Part II: Compliance for Lab Balances” organised by Wiley Analytical Science, UK on 27.04.2022.

Mr. J. Hariharan participated in the Webinar on Natural Product Screening for Drug Discovery organised by Sri Venkateswara College of Engineering on 28.04.2022.

Mr. J. Hariharan participated in the Webinar on Natural Product Screening for Drug Discovery organised by Wiley Analytical Science, UK on 03.05.2022.

Mr. J. Hariharan participated in the Webinar on Vibrational Spectra Search System Tools: An Introduction organised 1.by Wiley Analytical Science, UK on 04.05.2022.

Dr. K. Vasantharaj participated in the Webinar on Nanotechnology in Health, Food and Environment organised by Kumaraguru College of Technology, Coimbatore from 09.05.2022 to 13.05.2022.

Dr. K. Vasantharaj presented a paper entitled “Nutritional and

Sensory Evaluation of Avaram Poo incorporated indigenous cake” at Jnana Chilume 2022- Futuristic Approaches in applied Chemistry and Food Processing organised by Jain University, Bangalore on 01.06.2022.

Dr. K. Vasantharaj presented a paper entitled “Potential use of complex organic substrates as electron donors for sulfate reducing bacteria” at Jnana Chilume 2022 - Futuristic Approaches in applied Chemistry and Food Processing organised by Jain University, Bangalore on 01.06.2022.

Students' Achievements

Ms. Aakanksha Venkateswar III-Year (B.Tech, 2019-2023 batch) secured All India Rank 510 (AIR-510) in GATE-2022.

Ms. V. Sowmiya, II-Year (M. Tech, 2020-22 Batch), received an intramural research grant (SVCE-Student project) of Rs. 7500/- for the project entitled Cloning and expression of Human Intrleukin-2 gene in probiotic Lactobacillus casei under the guidance of Prof. M. Sivanandham and Dr. V. Sumitha.

Ms. S. Kawya, II-Year (M. Tech, 2020-22 Batch) presented a poster entitled “Preparation and quality evaluation of biscuits supplemented with vitamin B6 from Hydrilla verticillate” mentored by Dr. S. Pandi Prabha and secured first prize in SVCE Innovates 2022 held at SVCE on 08.04.2022.

Ms. K. Madhumitha, Ms. M. Mathumithaa Rao, II-Year (B.Tech, 2020-2024 batch) presented a poster entitled “Hydroponics- The urban farming” mentored by Dr. K. Divakar and secured second prize in SVCE Innovates 2022 held at SVCE on 08.04.2022.

Mr. Y. Udayarajan, Mr. V.O.A. Mohamed Shadir, II-Year (B.Tech, 2020-2024 batch) presented a poster entitled “Aquarium related nitrogen reprocess” mentored by Dr. K. Vasantharaj secured second prize in SVCE Innovates 2022 held at SVCE on 08.04.2022.

Ms. P. M. Sarvika, Ms. V. Shruthi, Ms. V. H. Umadevi, III-Year (B.Tech, 2019-2023 batch) presented a poster entitled “Bioactives embedded respiratory mask against MASKNE” mentored by Dr. K. Ganesh Prasath secured third prize in SVCE Innovates 2022 held at SVCE on 08.04.2022.

Mr. S. Sakthivel and Mr. Y. Udayarajan, II-Year (2020-24 Batch) won first prize for the poster entitled “Corrosion behavior of Ti Based Alloys for Bioimplant applications: Role of surface mechanical attrition treatment at National corrosion awareness day conducted by CSIR-Central Electrochemical Research Institute, Karaikudi on 21.04.2022.

Mr. V. Vikkram, IV-Year (B. Tech, 2018-22 Batch) won best poster award at 32nd National Level Technical Symposium conducted by Department of Chemical Engineering, Faculty of Engineering & Technology, Annamalai University on 21.04.2022.



Publications

Jeno, J. G. A., & Nakkeeran, E. (2022). Histological Changes in the Dengue vector, *Aedes aegypti* (Diptera: Culicidae) Larvae Treated with Neem Oil Loaded Niosomes. *Journal of Asia-Pacific Entomology*, 101943.

Dhrithi, P Kalpha, V. R., & Nakkeeran, E. (2022). Development of Health Mix Enriched with Processed *Citrullus lanatus* Seed Flour. *Journal of Food Science and Technology*, Vol. 11, pp. 1-9.

Kheerthivasan, R., Siddiqui, N., Nakkeeran, E., & Divakar, K. (2022). Insights into the impact of biorefineries and sustainable green technologies on circular bioeconomy. In *Biofuels and Bioenergy*, Elsevier, pp. 85-101.

Chinnappa, K., Karuna Ananthai, P., Srinivasan, Pandi Prabha, S., & Dharmaraj Glorybai, C. (2022). Green synthesis of rGO-AgNP composite using *Curcubita maxima* extract for enhanced photocatalytic degradation of the organophosphate pesticide chlorpyrifos. *Environmental Science and Pollution Research*, Vol. 29, pp. 58121–58132.

Satyanarayana, N., Sree, B. R., Sathish, K., Nagaraju, S., Divakar, K., Pawar, R., & Kashinath, D (2022), Synthesis of 2-styryl-quinazoline and 3-styryl-quinoxaline based sulfonate esters via 4sp³ C-H activation and their evaluation for α -glucosidase inhibition, *New Journal of Chemistry*, Vol. 46 (11), pp.5162-5170.

Balakumaran, P. A., Divakar, K., Sindhu, R., Pandey, A., & Binod, P. (2022). Gut microbes: Role in production of nutraceuticals. In *Current Developments in Biotechnology and Bioengineering*, Elsevier, pp. 273-299

Vasantharaj, K., Sivasubramanian, V., Velan, M., & Vigneshwaran, C. (2022). Evaluation of a sulfidogenic system fed with microalgal biomass of *Chlorella pyrenoidosa* as an electron donor: Sulfate reduction kinetics. *International Journal of Hydrogen Energy*, Vol. 47(42), pp.18566-18575.

Madhavan, Y., Sai, K.V., Shanmugam, D.K., Manimaran, A., Karthigadevi, G., Mohanta, Y.K., Venugopal, D.C., Mohanta, T.K., Sharma, N. and Muthupandian, S. (2022). Current Treatment Options for COVID-19 Associated Mucormycosis: Present Status and Future Perspectives. *Journal of Clinical Medicine*, Vol. 11(13), e.3620.

Lakshmi, S. A., Ganesh Prasath, K., Tamilmuhilan, K., Srivathsan, A., Shafreen, R. M. B., Kasthuri, T., & Pandian, S. K. (2022). Suppression of Thiol-Dependent Antioxidant System and Stress Response in Methicillin-Resistant

Staphylococcus aureus by Docosanols: Explication through proteome investigation. *Molecular Biotechnology*, Vol. 64(5), pp.575-589.

Reshmy, R., Balakumaran, P. A., Divakar, K., Philip, E., Madhavan, A., Pugazhendhi, A. & Sindhu, R. (2022). Microbial valorization of lignin: Prospects and challenges. *Bioresource Technology*, Vol. 344, e.126240.

Ramya R.S., Ajay Prabhakar, K., & Divakar, K., (2022), Metagenomic Bioprospecting of Uncultivable Microbial Flora in Soil Microbiome for Novel Enzyme, *Geomicrobiology Journal*, Vol. 39(2), pp.97-106.

Ravindran, R., Praveen Kumar, PK., Kumar, S., Roy, S., Gowthaman, S. A., & Rajkumar, J. (2022). Computational Study Reveals PARP1 and P2Y1 Receptors as Prospective Targets of Withaferin-A for Cardiovascular Diseases. *Letters in Drug Design & Discovery*, Vol. 19(4), pp.323-336.

Aswin Jeno, J. G., Maria Packiam, S., & Nakkeeran, E. (2022). Contact in-vivo larvicidal toxicity and histological studies of Indian herb essential oils loaded niosomes against *Aedes aegypti* and *Culex quinquefasciatus* (Diptera: Culicidae). *International Journal of Tropical Insect Science*, Vol. 42(2), pp.1373-1387.

Praveen Kumar PK., Balaraman Devi A., Priyadharshini, A., Sundari Abirami D., Sivanandham, M., Amrutha, K., & Revanasidappa, D.P., (2022), Molecular docking and simulation binding analysis of Boeravinone B with Caspase-3 and EGFR of Hepatocellular carcinoma, *Letters in Drug Design and Discovery*, DoI10.2174/1570180819666220805163725.

Expert Lectures

1.The Department of Biotechnology organised a guest lecture entitled "World of drug discovery: a brief overview from drug discovery to deliverance to patients" by Dr. Adhithiya Charli, senior scientist (Discovery toxicology), Biogen, USA on 24.01.22 (Faculty coordinator: Dr. P. K Praveen Kumar).

The Department of Biotechnology organised a guest lecture entitled "An overview of Cellular Signal Transduction" by Dr. Sowmini Kumaran, Founder, Proteogenie Biotech LLP (PGB), Chennai on 29.01.22 (Faculty coordinator: Ms. U. Vidhyadevi).

The Department of Biotechnology organised a guest lecture entitled "Valorization of shell fishery wastes" by Dr. Seenivasan

Ayothiraman, Department of Biotechnology, National Institute of Technology, Andhra Pradesh on 24.03.2022 (Faculty coordinator: Dr. G. Karthigadevi).

The Department of Biotechnology organised a guest lecture entitled “Advances in Recombinant DNA Technology: Tools and Applications” by Ms. Richa Srivasta, Prime Minister’s Research Fellow, Bhupat Jyoti School of Biosciences, Indian Institute of Technology Madras on 11.04.2022 (Faculty coordinator: Dr. K. Vasantharaj).

The Department of Biotechnology organised a guest lecture entitled “Design and Applications of Plug Flow Bioreactors” by Ms. Richa Srivasta, Prime Minister’s Research Fellow, Bhupat Jyoti School of Biosciences, Indian Institute of Technology Madras on 23.04.2022 (Faculty coordinator: Dr. K. Vasantharaj).

The Department of Biotechnology organised a guest lecture entitled



Events Organised

The Department of Biotechnology organised a Hands-On Workshop on "Molecular Biotechnology" during 29.03.2022 to 30.03.2022 (Faculty coordinators: Dr. K. Divakar and Mr. J. Hariharan)



Department of Chemical Engineering

Workshops/FDPs/Conferences

Ms.A.C.Vijayalakshmi, Assistant Professor, Department of Chemical Engineering has attended workshop on “Emerging Technologies”, organised by SVCE, Sriperumbudur, during 25.02.2022 to 01.03.2022.

Dr.G.Manikandan, Assistant Professor Department of Chemical Engineering has attended workshop on “Emerging Technologies”, organised by SVCE, Sriperumbudur, during 25.02.2022 to 01.03.2022

Dr.Philip Bernstein Saynik, Assistant Professor Department of Chemical Engineering, has attended FDP – “Professional Ethics & Sustainability”, organised by AICTE-NITTT during April 2022 to May 2022.

Dr.Philip Bernstein Saynik, Assistant Professor, Department of Chemical Engineering has attended FDP - “Communication Skills Modes & Knowledge Dissemination” organised by AICTE-NITTT during April 2022 to May 2022.

Dr.V.Divya, Assistant Professor, Department of Chemical Engineering has attended FDP - “Communication Skills Modes & Knowledge Dissemination” organised by AICTE-NITTT during April 2022 to May 2022.

Dr.N.P.Kavitha, Assistant Professor, Department of Chemical Engineering has attended FDP - “Communication Skills Modes & Knowledge Dissemination” organised by AICTE-NITTT during April 2022 to May 2022.

Dr.Philip Bernstein Saynik, Assistant Professor Department of Chemical Engineering, has attended FDP – “Instructional Planning and Delivery” organised by AICTE-NITTT during April 2022 to May 2022.

Dr.M.Srividhya, Assistant Professor, Department of Chemical Engineering has participated in IQAC workshop titled “Implementation of 5S and Quality Circles in HEI” organised by IQAC, SVCE on 28-04-22.

Mr.M.Ananda Boopathy, Assistant Professor, Department of Chemical Engineering, has presented a paper titled “Screening of Marine Microalgae for Green Energy Production ” held at SSN College of Engineering, during 24.02.2022 to 25.02.2022.

Mr.N.Arun Prem Anand, Assistant Professor, Department of Chemical Engineering, has presented a paper titled, "Simulation of Air Pollutant Dispersion using Gaussian Plume Model", in 4th International Conference on Challenges in Chemical and Biochemical Engineering for Sustainable development, held at Annamalai University during 23.03.2022 to 24.03.2022.

Mr.M.Ananda Boopathy, Assistant Professor, Department of Chemical Engineering has presented a paper titled, "Optimization and Electricity Generation by Immobilizing Bacterial Cells Isolated from Sewage Waste Using Microbial Fuel Cell Technologies" in International Conference on "Advances in Chemical and Materials Sciences" (ACMS 2022) Organized by Indian Institute of Chemical Engineers, Kolkata held at IICHE, Jalandhar Heritage Institute of Technology, Kolkata Osmania University College of Technology, Hyderabad during 14.04.2022 to 16.04.2022.

Dr.N.Meyyappan, Professor and HOD, Department of Chemical Engineering has presented a paper titled "An Experimental Study in Production of ammoniacal solution from Effluent Treatment of Wastewater from Fertilizer Industry", in Technological Innovations in Chemical Engineering towards Sustainability Conference '22, SVCE 27th and 28th May 2022.

Dr.V.Divya, Assistant Professor, Department of Chemical Engineering has presented a paper titled, "Treatment of raw tannery wastewater using novel adsorbent derived from Palmyra Palm" in National Conference on Technological Innovations in Chemical Engineering towards Sustainability'22, held at Sri Venkateswara College of Engineering during 27.05.2022 to 28.05.2022.

Mr.Jai Ganesh.S, Assistant Professor, Department of Chemical Engineering has presented a paper titled "Reaction kinetic studies for improving the yield in manufacture of 2-Butanol" in Technological Innovations in Chemical Engineering towards Sustainability Conference '22, SVCE 27th and 28th May 2022.

Mr.S.Bharath, Assistant Professor, Department of Chemical Engineering has presented a paper titled "A Critical Review On Synthesis Of Activated Porous Carbon From Biomass For Supercapacitor Applications" in Technological Innovations in Chemical Engineering towards Sustainability Conference '22, SVCE 27th and 28th May 2022.

Dr.N.P.Kavitha, Assistant Professor, Department of Chemical Engineering has presented a paper titled "Investigation of variation of extraction methodology to infer the recovery performance of 1,8-cineole from eucalyptus oil" in Technological Innovations in Chemical Engineering towards Sustainability Conference '22, SVCE 27th and 28th May 2022.

Dr.R.Govindarasu, Associate Professor, Department of Chemical Engineering has presented a paper titled "Dynamic modelling on control of pH neutralisation process" in Technological Innovations in Chemical Engineering towards Sustainability Conference '22, SVCE 27th and 28th May 2022.

Dr.R.Govindarasu, Associate Professor, Department of Chemical Engineering has presented a paper titled "Investigation of variation

of extraction methodology to infer the recovery performance of 1,8-cineole from eucalyptus oil" in Technological Innovations in Chemical Engineering towards Sustainability Conference '22, SVCE 27th and 28th May 2022.

Dr.R.Govindarasu, Associate Professor, Department of Chemical Engineering has presented a paper titled "Enhancement of geraniol composition in palmarosa oil using innovative separation techniques" in Technological Innovations in Chemical Engineering towards Sustainability Conference '22, SVCE 27th and 28th May 2022.

Dr.R.Govindarasu, Associate Professor, Department of Chemical Engineering has presented a paper titled "Analysis on extraction of eucalyptus oil from eucalyptus leaves" in Technological Innovations in Chemical Engineering towards Sustainability Conference '22, SVCE 27th and 28th May 2022.

Ms.A.C.Vijayalakshmi, Assistant Professor, Department of Chemical Engineering has presented a paper titled "Enhancing ground water quality by using low cost bio-adsorbent for removal of arsenic content" in Technological Innovations in Chemical Engineering towards Sustainability Conference '22, SVCE 27th and 28th May 2022.

Students' Achievements

Mr.Vignesh Vinayagam, Ms.Shrima Murugan, Mr.Rishikeswaran Kumaresan of Second year students, Department of Chemical Engineering published a paper titled "Protein nanofibrils as versatile and sustainable adsorbents for an effective removal of heavy metals from wastewater: A review" in the journal Chemosphere/Elsevier, April 2022.

Mr.Arsath Kader K A, Final Year has won The Best SRISHTI stall Award in National level Technical Exhibition and competition- SRISHTI 2022 held at Saintgits College of Engineering, Kottayam, Kerala during 25.04.2022 to 26.04.2022.

Mr.Ramapriyan A, Mr.Mukundan M First year, Final Year has won first place in National level symposium - CHEMFLUENCE'22- held at Algappa college of Technology, Anna University, Chennai, during 28.04.2022 to 30.04.2022.

Ms.Sneha S, Second Year, has won second place in symposium MEKARDZ for the paper titled "Review on Graphene nanoplatelets in cathode for lithium ion batteries", held at Government College of Engineering, Srirangam, on 09.06.2022.

Mr.Abbishek.S, Final Year, has been Awarded the bestpresenter in International conference on Recent Development in Applied

Science held at Rajalakshmi Institute of Technology, Chennai during 15.06.2022 to 16.06.2022.

Mr.Sanja N, Ms.Pavithra R, Ms.Varshini L, Final year has won first Prize in National level symposium -CHEMOVATION'22 for Paper Presentation, titled "Design of low-cost carbon absorber to control the emission of carbon dioxide from the environment", held at Dayananda Sagar College of Engineering, Bangalore on 17.06.2022.

Faculty Publications

Dr.V.Divya Published the book chapter of "Neural network model for biological waste management systems" in the book "Current Trends and Advances in Computer-Aided Intelligent Environmental Data Engineering" Published by Elsevier (ISBN: 978-0-323-85597-6) on March 20, 2022.

Dr.Philip Bernstein Saynik, Assistant Professor, Department of Chemical Engineering, has published a paper titled "Influence of different salts of alkali and alkaline earth metals on the pyrolysis of Prosopis juliflora", in the journal Biofuels, Bioproducts and Biorefining / Wiley, 4th March 2022.

Dr. N. Meyyappan, Professor and HOD, Department of Chemical Engineering and Dr.V.Divya, Assistant Professor, Department of Chemical Engineering have published a paper titled "Experimental design of hydrotropic extraction for recovery of bioactive limonin from lemon (Citrus limon L.) seeds", in the journal Separation Science and Technology /Taylor and Francis, Jan 2022.

Dr. N. Meyyappan, Professor and HOD, Department of Chemical Engineering has published a paper titled "Sustainable adsorbents for the removal of pharmaceuticals from wastewater: A review", in the journal Chemosphere/ Elsevier, April 2022.

Dr. N. Meyyappan, Professor and HOD, Department of Chemical Engineering has published a paper titled "Protein nanofibrils as versatile and sustainable adsorbents for an effective removal of heavy metals from wastewater: A review" in the journal Chemosphere/Elsevier, April 2022.

Dr.V.Divya, Assistant Professor, Dept. of Chemical Engineering has published a paper titled "Production of ethanol from biomass – Recent research, scientometric review and future perspectives" in the journal Fuel/ Elsevier, February 2022.

Dr.R.Palani, Associate Professor, Dept. of Chemical Engineering and Mr. N.Arun Prem Anand, Assistant Professor, Department of Chemical Engineering, have published a paper titled "Sonocatalytic Tannery Effluent Degradation—Response Surface Methodology and Particle Swarm Optimization Embedded Artificial Neural Network Modeling Approach", in the journal, Clean - Soil, Air, Water, January 2022.

Dr.G.Sudha, Associate Professor, Department of Chemical

Engineering, has published a paper titled "Numerical Investigation of Microchannel Cooling Using Nanocomposites" in the journal, Arabian Journal for Science and Engineering, May,2022.

Dr.N.P.Kavitha, Assistant Professor, Department of Chemical Engineering, has published a paper titled, "Facile Synthesis of Novel AgBr/ Ag/ AgCoO₂ composite coated petrocake beads for the visible light degradation of organic effluents" in the journal Inorganic Chemistry Communications, Vol:139, 109337, May 2022.

Dr.R.Govindarasu, Associate Professor, Dept. of Chemical Engineering, has published a paper titled, "Study on the impact of human factors on health and safety performance", in Int. Journal of Health Sciences, Vol:6(S5), 8081–8094.

Dr.V.Divya, Assistant Professor, Department of Chemical Engineering has published a paper titled "Pomegranate peel utilization by an indigenous fungal strain of Trichoderma reesei NCIM 1186: Optimization and Kinetics studies on production of cellulase" in the journal Biomass Conversion and Biorefinery, June, 2022.

Dr.V.Divya, Assistant Professor, Department of Chemical Engineering has published a paper titled "Evaluation of In-Vitro Antibacterial Activity Against Gram-Negative Bacteria Using Silver Nanoparticles Synthesized from Dyspsis Lutescens Leaf Extract" in Journal of Chilean Chemical Society, Vol 67, No. 2, June 2022.

Mr.M.Ananda Boopathy, Assistant Professor, Department of Chemical Engineering, has presented a paper titled "Optimization and Electricity Generation by Immobilizing Bacterial Cells Isolated From Sewage Waste Using Microbial Fuel Cell Technology", conducted by ACMS 2022, IICHE, during 14.04.2022 to 16.04.2022.

Mr.M.Ananda Boopathy, Assistant Professor, Department of Chemical Engineering, has received a grant of Rs.7500/- from TNSC for the project, "Design of low-cost carbon absorbers to control the emission of Carbon dioxide from the Environment".

Expert Lectures

Association of Chemical Technologist, IICHe- SVCE Students chapter has arranged lecture on "Green materials and processes in Chemical Industry" on 27.01.22 delivered by Dr. M.P.Sukumaran Nair Director, Centre for Green Technology, Cochin.

Association of Chemical Technologist, IICHe- SVCE Students chapter has arranged lecture on "Introduction to IPR" on 12.03.22, delivered by Dr.Mathivanan Dakshinamoorthy Advocate & Patent Attorney.



Association of Chemical Technologist, IICChE- SVCE Students chapter has arranged lecture on “Some illustrations of practical challenges and solutions in operations”, on 25.03.22 delivered by Mr.M.N.Bhaskaran, Executive Director, Technical-Sanmar group, Chennai.



Association of Chemical Technologist, IICChE- SVCE Students chapter has arranged lecture on “Liquid Environmental solutions in the current scenario” by Mr. Sunilkumar Singh, Plant Manager, Liquid Environmental Solutions Texas, USA on 10.05.22.

Association of Chemical Technologist, IICChE- SVCE Students chapter has arranged Valedictory of IICChE, on 09.06.22 and the speaker was Dr.C.Scott Immanuel Dhas, Data Analyzing Geologist, Schlumberger Services, Abu Dhabi.

Dr.N.P.Kavitha, Assistant Professor delivered a guest lecture entitled “Chemical engineering simulation with COSMOL” at Rajalakshmi Engineering College, Thandalam on 27.04.2022.

Events Organised

National level conference “Technological Innovations in Chemical Engineering towards Sustainability Conference '22 (TICHS'22)”, organised by Department of Chemical Engineering, SVCE and IICChE-SVCE student chapter during 27th and 28th May 2022



Department of Civil Engineering

Workshops/FDPs/Conferences

Mrs. Ruby Freya, Assistant Professor has AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Green Technology & Sustainability Engineering" conducted by NIT Manipur during 10th January -14th January 2022.

Ms. Ruby Freya has attended Online Faculty Development Training Program (FDTP) on “Construction Management in BIM with Project Management” organised by Sri Venkateswara College of Engineering during 28th February - 12th March 2022.

Mr. G. Arun has attended Online Faculty Development Training Program (FDTP) on “Construction Management in BIM with Project Management” organised by Sri Venkateswara College of Engineering during 28th February - 12th March 2022.

Mr. R. Mathiyazhagan has attended Online Faculty Development Training Program (FDTP) on “Construction Management in BIM with Project Management” organised by Sri Venkateswara College of Engineering during 28th February - 12th March 2022.

Mr. S. Diravia Balan has attended Online Faculty Development Training Program (FDTP) on “Construction Management in BIM with Project Management” organised by Sri Venkateswara College of Engineering during 28th February - 12th March 2022.

Mr. R. Kalaivannan has attended Online Faculty Development Training Program (FDTP) on “Construction Management in BIM with Project Management” organised by Sri Venkateswara College of Engineering during 28th February - 12th March 2022.

Dr. R. Sathia has participated in Online FDP program on Research Pedagogy organised by Research & Development Cell and Department of Civil Engineering, Jerusalem College of Engineering, Chennai during 07th March - 11th March 2022.

Dr. M. Selvakumar has participated in FPD on “Mathematical foundation for Data Science” organised by NIT, Warangal during 11th March – 15th March 2022.

Students' Achievements

Ms.Dharshini G (IV Year) has received the “Outstanding

Civil Engineering Award” for the academic year 2021-2022 on the College Day function held on 10th June 2022.

Mr. Ajay Krishnamurthy, Mr. S. Naveen and Ms. R. Logeswari received the Best Paper Award in the International Conference on “Sustainable Environment & Civil Engineering ICSECE’22” held on 18th & 19th May 2022 at Easwari Engineering College, Chennai.

Amaravathy U, Puviarasu S and Jayasurya J have secured Third Prize in the SVCE-INNOVATES 2022, held on 08th April 2022. (Project topic : Instrument to check the tile levels)

Mr. Mohamed Shafeen, Mr. Padmanaban N and Mr. Hari Prakash J of third year secured Second place and won cash prize for Poster presentation at St. Joseph’s College of Engineering on 27th April 2022.

Ms. Jenisha A and Ms. Harshavarthani G secured Second place and won cash prize in Technical connection event in the symposium at SRM Easwari Engineering College on 29th April 2022.

Ms. Viveditha Varshini A G secured First place and won cash prize of Rs.750 in Technical Quiz in the symposium at SRM Easwari Engineering College on 29th April 2022.

Ms. Viveditha Varshini A G and Mr. D. Laleeth Kumar secured First place and won cash prize of Rs.750 in Technical Connection event in the symposium at SRM Easwari Engineering College on 29th April 2022.

Mr. Siddharth J U, Mr. Gopinath A V and Mr. Gokul K won Second place in Students’ Research Day, SVCE Innovates on 9th April 2022.

Ms. Lomina, Ms. Nithila and Mr. Aadeshwar (First Year Student) have secured Second place in the SVCE-INSPIRE 2K22, an intercollegiate innovative project contest held on 28th April 2022.

Faculty Publications

Book Chapter

Shalini Annadurai, Kumutha Rathinam, and Vijai Kanagarajan. (2022). “An Experimental Study on Strength and Durability Properties for Utilization of Rice Husk Ash (RHA) in Geopolymer Concrete”. In: Kondraivendhan, B., Modhera, C.D., Matsagar, V. (eds) Sustainable Building Materials and Construction. Lecture Notes in Civil Engineering, vol 222. Springer, Singapore. https://doi.org/10.1007/978-981-16-8496-8_11.

Journals

Kumutha Rathinam, Vijai Kanagarajan “Behaviour of Fly ash and GGBS based Monoblock Prestressed Geopolymer Concrete Composite sleepers”, Materials Today: Proceedings, Volume 65, 2022, Pages 3321-3327, ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2022.05.406>. (SCIE & Scopus Indexed).

Kumutha Rathinam, Sakthivel S., Vigneshwaran S.P., Vinayagamoorthy M. and Naveen Kumar U. (2022). “Properties of Nano silica modified cement less geopolymer composite mortar using fly ash and GGBS” Materials Today: Proceedings, Volume 62, Part 2, 2022, Pages 535542.

Expert Lectures

Dr. R. Kumutha acted as a Session Chair for the International Conference on Materials Engineering and Manufacturing Systems, organised by the Mattest Research Academy, Chennai during 28th to 30th January 2022.

Events Organised

A Webinar on "Career Advancement in Construction, Real Estate, Infrastructure and Project (CRIP) Sector" in association with Indian Concrete Institute (ICI Chennai Centre) was organized for the faculty members and students on 11.01.2022

Mr. A. Vijay Vignesh, Assistant Professor, has coordinated this program.



A Webinar on "Scope and Opportunities in Civil Engineering" in association with Construction Management Training Institute (CMTI), Bengaluru & Indian Concrete Institute (ICI), Chennai Centre was organized for the faculty members and students on 31.01.2022. Mr. A. Vijay Vignesh (AP/Civil) and Ms. K. SathyaPriya (AP/Civil) have coordinated this program.



A Guest Lecture on “Principles and Scope for Surveying” was organized for first year civil engineering students on 18th February 2022. Mr. R. Subramanian, District Inspecting Officer, Kancheepuram District and Mr. D. Muthu Special Thasildar Sriperumbudur delivered the lecture. The program was organised by Dr. R. Kumutha, Professor & Head/ Civil Engineering and coordinated by Dr. P. Baskaran, HoD Physics Department and Mr.

S.. Diravia Balan, Assistant Professor of Civil Engineering Department.



1.A Webinar on "Opportunities for Civil, Mechanical and Electrical Engineers in Construction Management Sector" in association with Indian Concrete Institute (ICI), Chennai Centre was organized for the students and faculty members on 28.02.2022. Mr. A. Vijay Vignesh, Assistant Professor, has coordinated this program.



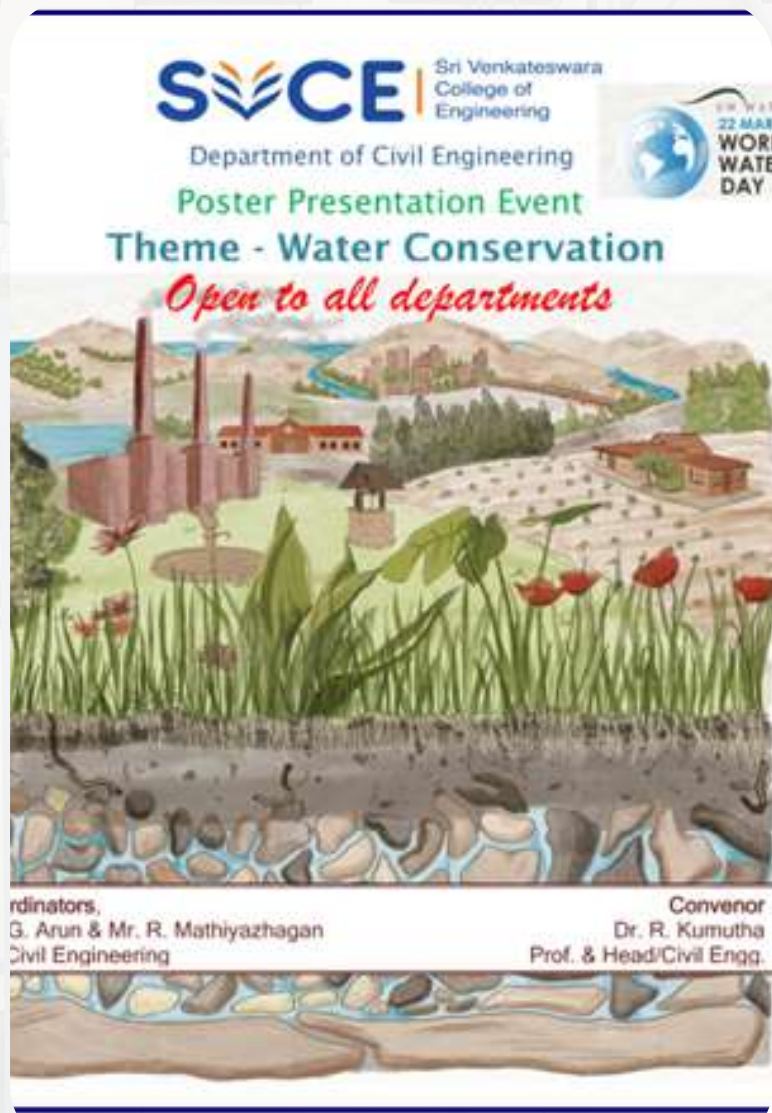
A Guest lecture on "Graduate School Admissions" in association with MAGOOSH was organized for civil engineering students of SVCE on 04th March 2022. Mr. Anand G Shankar, Academic Head delivered the presentation. The program was organised by Dr. R. Kumutha, Professor & Head/ Civil Engineering and coordinated by Mr. S.. Diravia Balan, Assistant Professor of Civil Engineering Department.



On account of Women's Day 2022, a drawing competition and an essay writing competition was conducted on the theme "Gender inequality today for a Sustainable Tomorrow" for the girl students. The event was organised by Ms. Ruby Freya and Ms. K. SathyaPriya, Assistant Professors of Civil Engineering.



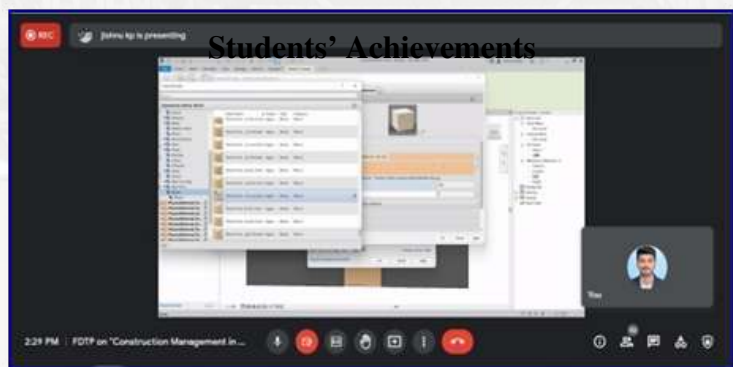
A poster presentation event on Water conservation was organized on March 22, 2022 to commemorate the World Water Day. A total of 19 teams from various departments have participated in the event.



An Online Faculty Development Training Program (FDTP) on "Construction Management in BIM with Project Management" was organized for faculty members of SVCE from 28.02.2022 to 12.03.2022. The program was organised by Dr. R. Kumutha, Professor & Head/ Civil Engineering and coordinated by Mrs. Ruby Freya (AP/Civil) & Mr. A. Vijay Vignesh (AP/Civil)

Speaker Details:

- 1) Mr. Jishnu, Technical Engineer, BIMLABS
- 2) Ms. S. Seena, Technical Engineer, BIMLABS
- 3) Mr. T. Vishnu, Technical Engineer, BIMLABS



A guest lecture on “Design Thinking and Inspiration” was delivered by Ms. R. Kaavya, Alumna (2017-2021 batch), Pursuing Diploma – Interior Designing, International Institute of Fashion Design – FIDA, Chennai on 23rd March 2022 at Video Hall, SVCE. The program was organised by Ms. Ruby Freya and Ms. K. SathyaPriya, Assistant Professors



A guest lecture on “Importance of Planning in Construction” was delivered by Mr. S. G. Ashok Kumar, Founder & CEO, Construction Management Training Institute (CMTI), Bengaluru on 29th March 2022 at Video hall, SVCE. The program was organized by Dr.R.Kumutha, Professor & Head/Civil Engineering and coordinated by Mr. A.Vijay Vignesh (AP/Civil).



An Online National Seminar on “Emerging Trends in Construction Industry” was organized for students and faculty members from 07.04.2022 - 09.04.2022. The program was organized by Dr.R.Kumutha, Professor & Head/Civil Engineering and coordinated by Mrs. Ruby Freya (AP/Civil) & Mr. A.Vijay Vignesh (AP/Civil).

Speaker Details:

1) Mr. R. Venugopal, Manager - Design, Saint Gobain India Private Limited, India

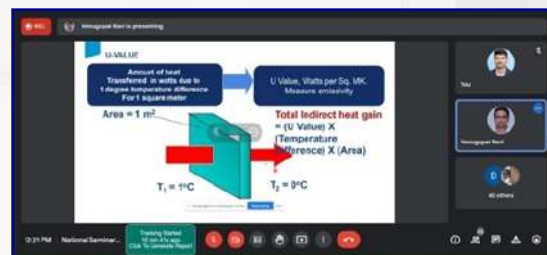
2) Dr. Raghuram Ammavajjala, Postdoctoral Fellow, Department of Civil Engineering, IIT Bombay

3) Dr. V. Rajesh Kumar, Chief Engineering Manager and Head, Geospatial Technologies, Water and Effluent Treatment IC, Larsen & Toubro, Chennai

4)Dr.C.Rajasekaran, Assistant Professor, Department of Civil Engineering, NITK, Surathkal

5)Mr.A.Soundararajan, Assistant General Manager & Head of Engineering, Eversendai Construction Private Limited, Chennai.

6)Mr.Moghul Sirajuddin, Assistant Technical Service Manager, Wacker Chemie India Private Limited, Mumbai.



An online guest lecture on “Real Estate Development Process” by Mr. Arun E Suresh Kumar, Alumnus (2015-2019 batch), Real Estate Construction Analyst, Consolidated Investment Group, Colorado, United States, was organised by Ms. Ruby Freya, Assistant Professor.



A Guest Lecture on “Digitalization of Construction Projects” was delivered by Mr. D. Bharathi Pandian, Senior Functional Consultant, Infinity PMC Solutions Private Limited, Chennai on 13th May 2022 at Video Hall, SVCE. The program was organized by Dr.R.Kumutha, Professor & Head/Civil Engineering and coordinated by Mr. A.Vijay Vignesh (AP/Civil).



A Certificate Course (30 Hours) on “Project Planning and Scheduling using Primavera P6” is organized in association with Construction Management Training Institute (CMTI),

Bengaluru. Course Instructors: Er. S. G. Ashok Kumar, Founder & CEO, CMTI Bengaluru, Mr. A. Vijay Vignesh, AP/CVE. Totally 19 Students (2018-2022 batch) have registered and completed the course.

Students' Achievements

Students from First Year Civil Engineering visited Full Climatic Station at Karunguzhi, Chengalpet District, Tamil Nadu State on February 16, 2022.



Final year students of Civil Engineering visited the Auroville earth Institute on March 16, 2022.



Students of II and III year visited to the Sathanur Dam, Thiruvannamalai on March 24, 2022.



Computer Science and Engineering

Workshops/FDPs/Conferences

Dr.R.Anitha, Prof & HoD/CS attended 6 days FDTP on "CS8074-Cyber Forensics" during January 17th - 22nd, 2022 organized by the Department of Computer Science and Engineering of Anna University Regional Campus –Tirunelveli, Sponsored by Centre for Faculty Development, Anna University, Chennai.

Dr.R.Anitha, Prof. & HoD/CS attended 5 days workshop on "Emerging Technologies" from 25th Feb – 2nd March, 2022.

Dr.P.Janarthanan, Prof/CS attended 30 days webinar and industrial

activities on "Master Class in Data Science and Analytics", Pantech Solutions, 20-01-2022 to 18-02-2022.

Dr.R.Jayabhaduri, Asso.Prof/CS attended Faculty Development Programme on "AI And Data Science Applications With One API Heterogeneous Computing" organized in association with Intel software and Boston Training Academy at SSN College of Engineering, Kalavakkam during February 07-11, 2022

Dr.P.Vinothiyalakshmi, Asso.Prof/CS, Mr.R.SenthilKumar, Asst.Prof/ CS attended a FDP on "Insight into Emerging Research Areas (IERA)-Concepts, Challenges and Opportunities", CSE, SVCE, from 2/3/2022 to 7/3/2022.

Dr.T.Rajasekaran, Asso.Prof/CS participated in AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Machine Learning Applications for Autonomous Driving" from 24/01/2022 to 28/01/2022 at KLE TECHNOLOGICAL UNIVERSITY.

Dr.B.Praven Kumar, Asso.Prof/CS attended Six days online FDTP on Information Security held on 03.01.2022 to 08.01.2022 organized by Rajalakshmi Engineering College.

Dr.B.Praven Kumar, Asso.Prof/CS, Ms.S.Rajalakshmi, Dr.P.Geetha, Asst.Prof/ CS participated in the ISTE and CSI sponsored Five Days Virtual Faculty Development Program (FDP) on "Big Data Analytics and Security with Block chain- The Future" held on 24.01.2022 to 29.01.2022 organized by Department of computer science and Engineering, Sairam Engineering College.

Dr.B.Praven Kumar, Asso. Prof/CS acted as jury member in "36 Hours Internal Hackathon" for SIH 2022 at SVCE on 09/03/2022 and 10/03/2022.

Dr. B. Praveen Kumar Asso. Prof/CS attended five days FDP on "Application of Machine learning Algorithms in Aerospace Engineering" from 11/07/2022 to 15/07/2022 at Bharath Institute of Higher Education and Research, Chennai.

Ms. Janakasudha G Asst. Prof/CS attended 5-days online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 28/2/2022 to 4/3/2022.

Ms.V.Rajalakshmi, Asst.Prof/ CS attended Three Days Online National workshop on Applications of Deep Learning in Computer Vision at Department of CSE, SSN College of Engineering during 10 - 12 February 2022.

Ms.V.Rajalakshmi, Asst.Prof/ CS attended ATAL Online FDP on Bio-Inspired Computing for Data Analytics at Lakireddy Bali Reddy College of Engineering during 08/02/2022 to 12/02/2022..

Dr P.Vinothiyalakshmi Asso.Prof/CS, Ms.E.Rajalakshmi, Ms.S.Rajalakshmi, Ms.J.Buvana, Ms.D.Sasikala, Ms.V.Radha, Dr.P.Geetha, Asst.Prof/ CS attended Online Workshop on "WEB DESIGN FOR EVERYONE" from 31/01/2022 to 04/02/2022 organized by the Department of Information Technology, Sri Venkateswara College of Engineering.

Ms. Gayathri R, Ms. Padmavathy T, Ms. Vinodha D Asst.Prof/CS attended FDP on Microsoft Azure Machine Learning & Artificial Intelligence on 15/03/2022 to 17/03/2022

Dr. Padmavathy T AP/CS Acted as jury member in the hackML'22 conducted on 7/6/2022 and 8/6/2022.

Ms.J.Buvana, Asst.Prof/ CS attended One week international STTP on "Emerging trends and research challenges in Deep Learning Applications" from 21/02/2022 to 26/02/2022 at ECE-SVCE.

Ms.J.Buvana, Asst.Prof/ CS attended Five days Virtual FDP on

"Big Data Analytics and Security with Blockchain the Future" from 24/01/2022 to 29/01/2022 at ECE-SVCE

Ms.S.Poorani, Asst.Prof/ CS attended AICTE Training and Learning(ATAL) Academy FDP on "Quantum Computing: Designing to Implementation" from 07-02-2022 to 11-02-2022 at Amity Institute of Information Technology, Lucknow Campus.

Ms.S.Poorani, Asst.Prof/ CS attended Participated Five days Online FDP on "Recent trends in Cyber Security" sponsored by Information Security Education and Awareness (ISEA) and jointly organized by Department of Computer Science and Engineering and Information Science and Technology, College of Engineering, Anna University, Chennai held on 13th June to 17th June 2022.

Ms. Sasikala D Asst.Prof/ CS attended 5-Days FDP on "Recent Advances in Deep Learning and its Applications" from 07/03/2022 to 11/03/2022.

Ms. SenthamizhSelvi S Asst.Prof/ CS attended a Workshop titled "Implementation of 5S and Quality Circles in HEI" organized by the Internal Quality Assurance Cell, Sri Venkateswara College of Engineering held on 28.04.2022.

Ms.S.U.Muthunagai, Ms.R.Iyswarya Asst.Prof/ CS attended AICTE Sponsored Online Advanced FDP on "Robust AI: Building through data exploration, pre-processing and representation" from 04/02/2022 to 08/02/2022 at IIIT NAYA RAIPUR.

Ms. Iyswarya R Asst.Prof/ CS attended Five days Online Faculty Development Programme on Recent Trends in Cyber Security from 13/06/2022-17/06/2022 at Anna University, Chennai.

Ms.R.Iyswarya, Asst.Prof/ CS attended five days FDP on "Application of Machine learning Algorithms in Aerospace Engineering" from 11/07/2022 to 15/07/2022 at Bharath Institute of Higher Education and Research, Chennai.

Mr.R.SenthilKumar, Ms.M.S.Girija, Ms.V.Radha, Ms.S.Rajalakshmi Asst.Prof/ CS attended Two Day Virtual Workshop on Top Trending Language for Web Developers organized by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering held on 3rd and 4th February 2022.

Mr.R.SenthilKumar, Asst.Prof/ CS attended Three Days National workshop on Applications of Deep Learning in Computer Vision organized by the Department of Computer Science and Engineering, SSN College of Engineering during 10 - 12 February, 2022 in virtual mode. Mr.R.SenthilKumar, Asst.Prof/ CS attended Five Days Workshop on Emerging Technologies organized by the Department of Computer Science & Engineering, Sri Venkateswara College of Engineering, Sriperumbudur-602 117 from 25-02-2022 to 01-03-2022.

Mr.R.SenthilKumar, Asst.Prof/ CS attended Five Days Workshop on Emerging Technologies organized by the Department of Computer Science & Engineering, Sri Venkateswara College of Engineering, Sriperumbudur-602 117 from 25-02-2022 to 01-03-2022.

Mr.P.Selvamani, Ms.M.S.Girija Asst.Prof/ CS attended 5 days FDP on “Big Data Analytics and Security with Block chain – The Future” organized by SAI RAM Engineering College from 24.01.2022 to 29.01.2022.

Ms.M.S.Girija, Asst.Prof/ CS attended Five days online Workshop on “Web design for everyone”, ICT Academy from 31/1/2022 to 4/2/2022

Ms.M.S.Girija, Asst.Prof/ CS attended AICTE ATAL FDP on “Robust AI: Building through data exploration, pre-processing and representation”, from 04/02/2022 to 8/2/2022

Ms. Radha V, Asst.Prof/ CS, Participated and Successfully Completed the 5 days online FDP on “Inculcating Universal human Values in Technical Education” organized by AICTE from 28/02/2022 to 04/03/2022.

Ms. Radha V, Asst.Prof/ CS, Two Day Virtual National Workshop on Invitation to the Theory of NP-Completeness organized by the Department of Mathematics, SSN College of Engineering from 25/03/2022 to 26/03/2022.

Ms. Radha V, Asst.Prof/ CS, attended 5 days online FDP on “Application of Machine Learning Algorithms in Aerospace Engineering from 11 /07/2022 to 15/07/2022 organized by the School of Aeronautical Engineering, BIHER.

Ms. Radha V, Asst.Prof/ CS, attended Online Workshop on “Design and Modeling of IoT, AI and ML systems” from 01/08/2022 to 05/08/2022 organized by the AICTE Atal Academy, Arm Education and STMicromicroelectronics.

Ms. Radha V, Asst.Prof/ CS, attended 5 Days FDP sponsored by “School of Aeronautical Aerospace Engineering” On “Application of Machine learning algorithms in Aerospace Engineering” hosted by “Bharath Institute of Higher Education and Research Center - Chennai from 11th- July-2022 To 15th- July 2022.

Ms. Radha V, Asst.Prof/ CS, attended Government of India, Ministry of Education -AICTE sponsored 2 days National level, IIC: Mentor -Mentee workshop Organized by Institution's Innovation Council (IC201810371-IIC-SVCE) on 16th and 17th June 2022.

Ms. Radha V, Asst.Prof/ CS, attended 5 Days FDP “CSI Student Chapter” Sponsored On “Big Data Analytics and Security with Block chain-The Future” hosted by Sri sairam Institute of Technology -Chennai from 24th- Jan-2022 To 29th- Jan 2022.

Ms. Radha V, Asst.Prof/ CS, attended 2 days Workshop sponsored by IITM-PALS Academy on “Ideation and Proposal Writing” on 2nd and 3rd March 2022.

Ms.D.Vinodha, Asst.Prof/ CS attended 5 days online FDP on AI and DS organized by Sri Sivasubramaniya Nadar College of Engineering, Chennai from 07-02-2022 to 11-02-2022.

Ms. Vinodha D, Asst Prof/CS attended Five days online AICTE Training And Learning (ATAL) Academy Online Elementary FDP

on “Smart cities for sustainable development ” from 07/03/2022 to 11/03/2022 at Motilal Nehru National Institute of Technology Allahabad.

Ms. Vinodha D, Asst Prof/CS attended Five days online workshop on Emerging Technologies organized by department of CSE , Sri Venkateswara College of Engineering from 25-02-2022 to 01-03-2022.

Dr.P.Geetha, Asst.Prof/ CS attended PALS Online 5 Days FDP from 21/02/2022 to 25/02/2022.

Dr.P.Geetha, Ms Kapilvani R Asst.Prof/ CS attended One day “Webinar on Tips to Write Quality Research Paper” on 14.06.2022

Ms.R.K.Kapilavani, Asst.Prof/ CS attended Participated in the ISTE and CSI Sponsored Five days virtual Faculty development program on Big Data Analytics and Security with Blockchain- The Future held from 24.01.2022 to 29.01.2022

Ms.R.K.Kapilavani, Asst.Prof/ CS participated in the virtual Faculty Development Program on Fundamentals of Cloud Computing, IBM Watson and Permissionless and Permissioned Blockchain Systems: Myths and Reality conducted in three half days in Feb 9-11,2022.

Faculty members attended NPTEL Courses and Other online courses Dr. B. Praveen Kumar, Asso.Prof/CS, has successfully completed AWS cloud technical essentials, an online course authorized by Amazon web services and offered through coursera during January 2022.

Ms.S.U.Muthunagai, Asst.Prof/ CS, successfully Completed Online Course authorized by the University of Illinois at Urbana-Champaign and offered through Coursera titled “AWS Cloud Technical Essentials” , January 2022.

Ms.S.Poorani, Asst.Prof/ CS, Successfully Completed Online Course authorized by the University of Illinois at Urbana-Champaign and offered through Coursera titled “AWS Cloud Technical Essentials” in January 2022.

Ms, R. Iyswarya, Asst.Prof/CS successfully Completed Online Course authorized by the University of Illinois at Urbana-Champaign and offered through Coursera titled “AWS Cloud Technical Essentials” in January 2022.

Details of Industrial Training attended by faculty members Dr.P.Janarthanan, Asso.Prof/CS, attended PANTECH E-learning from 20-01-22 to 18-02-2022

Patent Filed and Published

Dr.P.Geetha, Ms.R.K Kapilavani, AP/CSE, published a patent titled “Real Time Agriculture Field Monitoring System Using IOT”, in IPR Chennai and the same was published in the Patent Office Journal. Application No.202241020381 A INDIA, Date of filing of Application : 05/04/2022. Publication Date : 15/04/2022.

Consultancy Projects

Dr. R. Anitha, Prof.& HoD/CS, Dr.R.Jayabadhuri,Assoc.Prof/CS, Ms.V.Rajalakshmi, AP/CS, Dr.T.Padmavathy, AP/CS obtained a consultancy project from Cameo Corporate Services for a total amount of Rs.2,50,000.

Ms.S.U.Muthunagai, AP/CS obtained a consultancy project from S.M Enterprises for Police Training College Software-Module II amounting to Rs.10,000.

MoU's Signed

Dr.R.Anitha, Prof.& HoD/CS and Ms.T.Padmavathy,AP/CS, obtained MoU with TicVic Technologies for carrying out Student Internships, Consultancy work and Certification Course -A Hackathon was conducted and the Students are pursuing internships.

Dr.R.AnithaProf.& HoD/CS and Ms.S.U.Muthunagai,AP/CS obtained MoU with SM Enterprises – Students are pursuing internship and consultancy work.

Dr.R.Anitha Prof.& HoD/CS in association with SVCE Placement Cell signed MoU with Virtusa – Industry oriented course will be offered in MS Azure

Major achievements by faculty members

Dr. B. Praveen Kumar ASP/CS, Mr. K. Srinivasan AP/CS, Mrs. G. Janakasudha AP/CS, and Mr. M. Suresh Kumar AP/CS have acted as jury members for 36 Hours Internal Hackathon for SIH 2022 during 9th & 10th March 2022.

Students' Achievement

Ms. Neha Bhende, has participated in a Two Day Virtual Workshop on “Top Trending Language for Web Developers” organized by SVCE, Sriperumbudur, Chennai, from 3rd February 2022 to 4th February 2022.

Ms. Ishwarya. R, Jaswant S, John williams M, Kalyan sagar D, Kanishkaar R, Kanishk raman J C, Kolla mohan rao, Krithika S of II Year – B1 Section have participated in the Two-Day Virtual Workshop on “Top Trending Language for Web Developers” organized by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering held on 3rd and 4th February 2022.

Mr. KOLLA MOHAN RAO,KRITHIKA S of II Year – B1 Section have participated in the Workshop -“Emerging Technologies and Tech Trends” organized by the Department of Computer Science & Engineering, Sri Venkateswara College of Engineering from 21/02/2022 to 25/02/2022.

Ms. R. ISHWARYA, JANANI A,KAUSHAL L, KRITHIKA S, R. KAVIYADHARSHINI of II Year – B1 Section have participated in the one-day webinar on “Cyber Security” organized by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering which is held on 21st February 2022.

Ms. Jeevitha.J, III Year / CS - B1 has attended the online masterclass on Infosys Springboard ‘ASSURE WITH MS AZURE CLOUD’ on 18/03/2022.

Ms. Jeevitha.J, III Year / CS - B1 has completed SUMMER INTERNSHIP AT ZOHO CORP from 02/05/2022 to 03/06/2022.

Ms. Kalyani Sree.A.S, III Year / CS - B1 has participated in the event KARTAVYA under AXIS'22, at VNIT,NAGPUR on 20/06/2022.

Mr. Gopinathan K, Mr. Kesavaram V, Mr. Divyamsh B, Mr. Iyyappan R, II Year AD had participated in “hackML'22” hackathon conducted by Know-I Club, Department of Computer Science and Engineering, SVCE in association with Ticvic Technologies Private Limited on 07/06/2022 and 08/06/2022.

Ms. V.Janani, II Year AD has participated in Internal Hackathon for Selection of Smart India Hackathon organized by Sri Venkateswara College of Engineering on 09/03/2022 and 10/03/2022.

Ms. Akshaya M, III Year CSE has won III place in Spot Light (Women's Day) organized by SVCE on 08.03.2022.

Ms. Akshaya M, III Year CSE has won III place in Solo Vocals (Women's Day) organized by SVCE on 08.03.2022.

Mr.Sanjay Kumar P, Mr.R Roshan, Ms.Sangeetha S K, Mr. Sanjay Karthick M, Mr.Saranraaj K, Mr.R.Shakthi, Mr.Shakthi Vignesh of II year CS/C attended Kurukshetra'22 held from April 5th to April 8th 2022 at College of Engineering Guindy.

Mr.R Roshan of II year CS/C attended the webinar on "The Future of Mobile App Industry" held on March 12th 2022 by Huawei Developers in online mode.

Mr.Santhosh Kumar S of III year CS/C attended Kurukshetra 22 held from April 5th to April 8th 2022 at College of Engineering Guindy.

Mr.Sanjay R of II year CSE/C attended Kurukshetra '22 Metaverse Workshop held from April 5th to April 8th 2022 at College of Engineering Guindy.

Mr.Sanjay R of II year CSE/C attended Chennai International Youth Fest 4.0 (CIYF 4.0) Workshop on the topic Cyber Security held on 3rd of March.

Mr.Sanjay R of II year CSE/C attended Chennai International Youth Fest 4.0 (CIYF 4.0) Workshop on the topic Robotics held on 27th of March through online mode

Faculty Publications

C. Muralidharan, R. Anitha (2022), EDSAC–An Efficient Dempster Shafer Algorithm for Classification to Estimate the Service, Security and Privacy Risks with the Service Providers, Wireless Personal Communications, pp. 3649–3669, <https://doi.org/10.1007/s11277-021-09105-8>

Rajganes N Nagarajan, Pethuru Raj, Ramkumar Thirunavukarasu, "Operationalizing Multi-cloud Environments: Technologies, Tools and Use Cases", EAI/Springer Innovations in Communication and Computing Series, Springer, Hardcover ISBN 978-3-030-74401-4, DOI: <https://doi.org/10.1007/978-3-030-74402-1>, 2021-2022.

Rajganes N Nagarajan, Thirunavukarasu, R, 'A neuro-fuzzy based healthcare framework for disease analysis and prediction', Multimedia Tools and Applications, Springer, 2022. (Impact Factor: 2.757) (SCI Indexed)

L. Vijayaraja, S. Sivarajeswari, R. Dhanasekar, R. Premkumar, D. Tamizhmalar, Rupa Kesavan, "Design of Thirteen Level Inverter suitable for Solar Farms ", 2022 International Conference on Computer Communication and Informatics (ICCCI), Jan. 25 – 27, 2022, Coimbatore, INDIA .

R.K. Kapila Vani, Jayashree Padmanabhan , "Assessment of mental workload using XGBoost classifier from optimised EEG features ", Published in International Journal of Engineering Systems Modelling and Simulation Jan 2022.(Scopus, ESCI indexed)

S. U. Muthunagai, R. Anitha, 2022 "TDOPS: Time Series based Deduplication and Optimal Data Placement Strategy for IIoT in Cloud Environment", Journal of Intelligent and Fuzzy Systems, 2022. (Impact Factor: 1.739).

Muralidharan C, Anitha R. "Trusted Cloud Broker for Estimating the Reputation Of Cloud Providers In Federated Cloud Environment", Concurrency Computation Practices Experience. Vol. 34, No.1, 2022 <https://doi.org/10.1002/cpe.6537> (Impact factor: 1.536)

Mohamed Sirajudeen and Anitha R, May 2022, 'Low Latency Fog Centric Deduplication Approach to Reduce IoT Healthcare Data Redundancy, Wireless Personal Communications, <https://doi.org/10.1007/s11277-022-09752-5>, (Impact Factor 1.67)

Balamurugan, N.M.; Adimoolam, M.; Alsharif, M.H.; Uthansakul, P, July 2022 , "A Novel Method for Improved Network Traffic Prediction Using Enhanced Deep Reinforcement Learning Algorithm". Sensors 2022, 22, 5006. Impact Factor: 3.847 (SCI indexed) <https://doi.org/10.3390/s22135006>

Balamurugan, N.M.; Kannadasan, R.; Alsharif, M.H.; Uthansakul, P , May 2022, "A Novel Forward-Propagation Workflow Assessment Method for Malicious Packet Detection". Sensors 2022, 22, 4167. Impact Factor: 3.847 (SCI indexed).

V. Rajalakshmi and S. Ganesh Vaidyanathan (July 2022), "Hybrid time series forecasting models for traffic flow prediction", Promet - Traffic & Transportation, Vol. 34, No.4, pp. 537-549, 2022.

M. Suresh Kumar and G. A. Sathish Kumar, "Efficient hybrid energy optimization method in location aware unmanned wsn," Intelligent Automation & Soft Computing, vol. 35, no.1, pp. 705–725, 2023. doi:10.32604/iase.2023.027545. ISSN: 2326-005X (online) (Annexure-I) (Impact Factor: 1.647).

Maithili, K & Govindharaju, Karthi & Thinakaran, K &

Sureshkumar, M & Sathya, S. (2022). Design Engineering, "Efficient Network Resource Allocation Technique for Dynamic IoT Environment using Reinforcement Learning and CAT Optimization", issue7, PP 11799-11815. Rupa Kesavan,etal., A Case Study on Renewable Energy Sources, Power .

Demand, and Policies in the States of South India Development of a Thermoelectric Model,Sustainability July 2022, 14(14), 8882; <https://doi.org/10.3390/su14148882>, Impact factor (3.251)

Papers Presented in Conferences

P.Selvamani, Dr.R.Anitha, "Task allocation in edge computing based on intermediary nodes by using enhanced load balancing strategy" National Conference on communication and Information (NCCI2022),14-06-2022 held at Sri Venkateswara College of Engineering.

S. Narayanan, N. M. Balamurugan, M. K and P. B. Palas, "Leveraging Machine Learning Methods for Multiple Disease Prediction using Python ML Libraries and Flask API," 2022 IEEE International Conference on Applied Artificial Intelligence and Computing (ICAAIC), 2022, (IEEE/ Scopus indexed <https://doi.org/10.1109/ICAAIC53929.2022.9792807>

N. Deepika and Dr. J. M. Gnanasekar, "Intelligent Tool for Persons with Visual Impairments: An Overview," 2022 8th International Conference on Smart Structures and Systems (ICSSS), 2022, pp. 1-5, doi: 10.1109/ICSSS54381.2022.9782199.

R. Vijayalakshmi and Dr. J. M. Gnanasekar, "A Review on Character Recognition and Information Retrieval from Ancient Inscriptions," 2022 8th International Conference on Smart Structures and Systems (ICSSS), 2022, pp. 1-7, doi: 10.1109/ICSSS54381.2022.9782241.

Tenkayala Vasundhara and R.Jayabhaduri, "Landmark Recognition Using Transfer Learning", International Conference on Advanced Communication Control & Computing Technology (ICACCCT-2022),

28-30 June 2022, SIMATS School of Engineering, Chennai.

S. Narayanan, N. M. Balamurugan, M. K and P. B. Palas, "Leveraging Machine Learning Methods for Multiple Disease Prediction using Python ML Libraries and Flask API," May 2022 IEEE International Conference on Applied Artificial Intelligence and Computing (ICAAIC), 2022, (IEEE/ Scopus indexed) <https://doi.org/10.1109/ICAAIC53929.2022.9792807>.

Kamakshi A S, Gayathri R.: presented a paper "Sentence based feature selection for generating clinical handover form" in National Conference on Communication and Informatics(NCCI-2022).

Rupa Kesavan et al., "A Cost Effective Agriculture System based on IoT using Sustainable Energy," 2022 pp. 546-549, doi: 10.1109/ICOEI53556.2022.9776726 in proceedings of 2022 6th International Conference on Trends in Electronics and Informatics (ICOEI) DOI: 10.1109/ICOEI53556.2022, 28-30 April 2022

V Pallavi, P. Vinothiyalakshmi 2022, "Threshold based Dynamic Resource Balancing (TDRB) algorithm in Cloud Computing", International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON) 2022, IEEE Xplore (Scopus).

Book Chapters Published

P Vinothiyalakshmi, C Muralidharan, Y Mohamed Sirajudeen, R Anitha, "Digitized Land Registration Using Blockchain Technology", Blockchain Technology- CRC Press, Feb. 2022. (ISBN - 9781003138082)

T.Padmavathy, C.Muralidharan, Y.Mohamed Sirajudeen & R. Anitha, 'Cloud based Industrial IoT Infrastructure to facilitate Efficient Data Analytics', "Cloud Analytics for Industry 4.0 : Issues, Challenges and Applications", SCA 2022.

Rupa Kesavan, Poorani S, Iyswarya R, Muthunagai S U, Anitha R, "Convergence-Perceptual Model for Computing Time-series-Data on Fog-Environment", ICRTAC – CVMIP 2021:Springer LNCES : March 2022.

Gnanasekar J M "Light Fidelity (Li-Fi) Technology: The Future Man-Machine-Machine Interaction Medium", the book titled Human Communication Technology Internet-of-Robotic-Things and Ubiquitous Computing, published by Scrivener Publishing LLC, pp. 91-112

Dr. P. Janarathanan "An Approach to Ensure High-Availability Deployment of IoT Devices", Springer, pp. 75-89.

Dr N.M. Balamurugan, Mr TKS Rathish babu, Ms K Maithili and Mr M. Adimoolam, "Energy Optimized Techniques in Cloud and Fog Computing", Hybrid Intelligent Optimization Approaches for Smart Energy" WILEY, ISBN: 978111982124, Book Chapter 2, 2022.

Dr N.M. Balamurugan, Dr N. Revathi , Ms R. Gayathri, "Road Network Energy Optimization Using IoT and Deep Learning", Hybrid Intelligent Optimization Approaches for Smart Energy" WILEY, , ISBN: 978111982124, Book Chapter 7, 2022

Expert Lectures delivered

Dr.R.Anitha, Prof.& HoD/CSE, acted as a National Conference on Trends in Computing Technologies in association with CSI, Meenakshi Sundhararajan Engineering College, 25 June 2022.

Dr.R.Anitha, Prof.& HoD/CSE, Acted as a Resource person in the FDP "Applications of Machine Learning Algorithms in Aerospace Engineering topic- Unsupervised Learning on 13 July 2022, at Bharath Institute of Technology.

Dr.R.Anitha, Prof.& HoD/CSE, Acted as a panel member in the syllabus formulation of AI & DS course at SA Engineering College.

Dr.R.Anitha, Prof.& HoD/CSE, Acted as a resource person in FDP on "Insight into Emerging Research Areas (IERA) - Concepts, Challenges and Opportunities" topic: The Potential of Cloud

Computing: Challenges, Opportunities, Impact on 02.03.2022.

Dr.R.Anitha, Prof.& HoD/CSE, Acted as a resource person in the workshop on "SVCE Hackathon Workshop for Schools" title: Introduction to Hackathon - Smart India Hackathon 2022- Juniors on 12.03.2022

Dr. N. Rajganes, Assoc.Prof./CSE, acted as a resource person in a "FDP on Insight into Emerging Research Areas - Concepts, Challenges and Opportunities" from 02/03/2022 to 07/03/2022.

Ms.Rupakesavan, Asst.Prof/ CS, acted as one of the resource person for FDP conducted by Sri Sairam Institute of Technology on "Research capabilities in FOG and EDGE computing" during February 2022.

Dr.N.Rajeswari, Asso.Prof/CS delivered a lecture on "Kernel Methods for Pattern Analysis" during a Five day Online Workshop on "Emerging Technologies and Tech Trends" during February 21 -25, 2022

Dr.P.Vinothiyalakshmi, Asso.Prof/CS, delivered Guest lecture given in the topic of "Cloudsim Tool" on 21/02/2022 in a five days workshop on "Emerging Technologies and Tech Trends", held from 21/02/2022 to 25/02/2022, Department of Computer Science and Engineering, Sri Venkateswara College of Engineering.

Dr.T.Rajasekaran, Asso.Prof/CS, Acted as a resource person in Five days workshop on "Emerging Technologies and Tech Trends" Organized by Department of Computer Science and Engineering during 21/02/2022 to 25/02/2022.

Dr.N.RajGanesh, Asso.Prof/CS, Workshop on R Tool – Advance Concepts, Sri Venkateswara College of Engineering (Autonomous), Sriperumbudur, 23-02-2022

Dr P Geetha, Asst.Prof/CS has acted as a Resource Person in Five day Workshop on "Emerging Technologies and Tech Trends" and gave lecture on the Topic of "Basics of R Tool", Department of CSE, SVCE on 22.02.2022.

R.K.Kapila Vani, Asst.Prof/CS has acted as a Resource Person in Five day Workshop on "Emerging Technologies and Tech Trends" and gave lecture on the Topic of "Machine Learning in Python using Anaconda IDE", Department of CSE, SVCE on 25.02.2022.

Guest Lectures /Technical Talk -8

Mr. Abishaik Mohan (CSE 2019 Batch), Software Engineer, Extreme Networks, Chennai, acted as chief guest to launch "Aspire - A peer mentoring initiative" and delivered a special talk on "career guidance." on "Recent Trends in Computing" held during 22/01/2022.

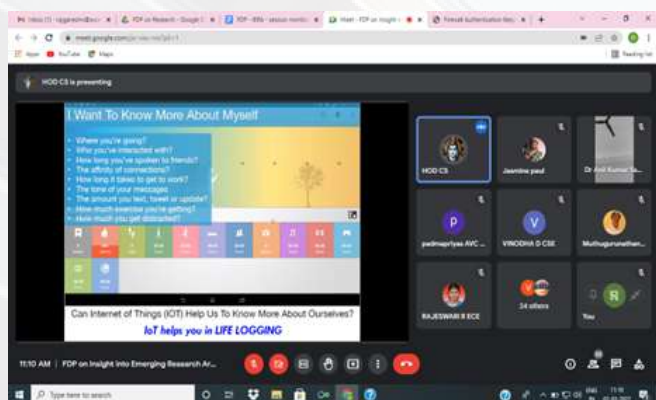
Mr. Rahul Kalyan Jakka(CSE 2021 Batch), Graduate Student, Purdue University, delivered a webinar on "How to Read a Research Paper" , organised by the Know-I Club at 6.00 PM on 12/01/2022 .

Mr.Praneeth Avapatti(CSE 2019 batch), threat researcher at

MindTree delivered a webinar on “Cyber Security ” on 22/02/2022 at 5.30 pm organized by Know-I club.

Events Organised

Dr.R.Anitha Professor and HoD/CS, Dr. N. Rajganesh, Associate Professor, Mrs. D. Vinodha, AP, Mrs. V. Radha, AP, Mrs. T. Padmavathy organized a FDP on “Insight into Emerging Research Areas - Concepts, Challenges and Opportunities” 02/03/2022 to 07/03/2022.



Dr.R.Anitha, Prof. & HoD/CS and Dr.T.Rajasekaran, Assoc.Prof./CS under ACM organized a debate duel titled “Disrupt” in Alan Turing Hall on 16th of May, 2022

Dr.R.Anitha, Prof. & HoD/CS and Dr.T.Rajasekaran, Assoc.Prof./CS under the W-Wing of the SVCE ACM Students Chapter conducted a quiz based on women celebrities titled “Clueminati” on 11th March, 2022.

Dr.T.Padmavathy, AP/CS and Ms.V.Radha,AP/CS of KNOW-I Club hosted a webinar on “Web Development” by Mr.Elayanathan.A, Founder and CEO, EROS Industries, on 06/03/2022 at 4.00 p.m.

Dr.T.Padmavathy, AP/CS and Ms.V.Radha,AP/CS of KNOW-I Club hosted a webinar on “Know-U (App Development)” by Mr. Pratik Butani is a Team Lead at 7Span - Ahmedabad on 6th March 2022 at 1 pm IST

Dr.T.Padmavathy, AP/CS and Ms.V.Radha,AP/CS of KNOW-I Club hosted a webinar on “Machine Learning”, by Mr.Saisubramaniam Gopalakrishnan(CSE - 2015 Batch) ,Svce Alumni,Research Engineer,Institute of Infocomm Research, on 06/03/2022 at 10.00 a.m.

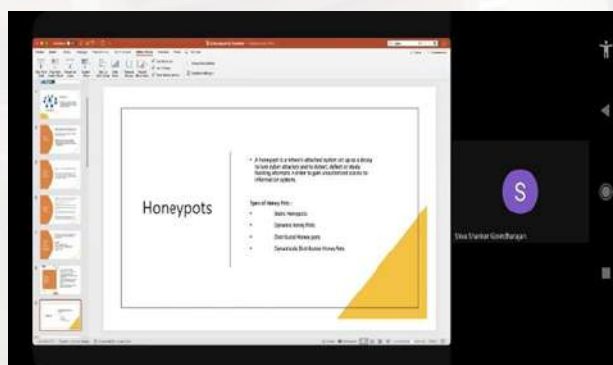
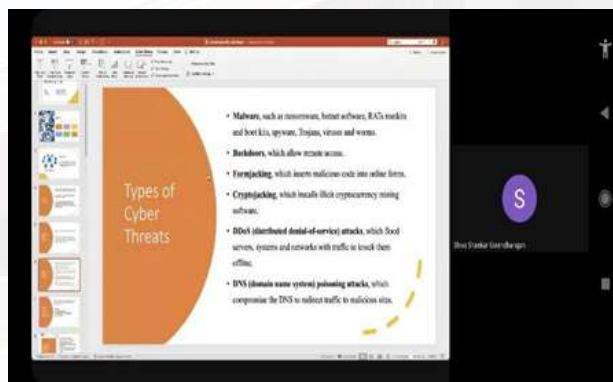
Dr.T.Padmavathy, AP/CS and Ms.V.Radha,AP/CS of KNOW-I

Club hosted a Online Code Debugging Event “UNRAVEL” on 27/03/2022 at 9.30-11.30

Dr.T.Padmavathy, AP/CS and Ms.V.Radha,AP/CS of KNOW-I Club hosted a Hackathon on Machine Learning(hackML'22) on 7 & 8th June 2022 reviewed and judged by the TicVic CEO and Technical Head.

Ms.S.U.Muthunagai, Ms.S.Poorani, Ms. R.Iyswarya, Asst.Prof/CS organized a Two-day Virtual Workshop on “Top Trending Language for Web Developers” from 03.2.2022 to 4.2.2022.

Dr.B.Praveen Kumar, Ms.S.U.Muthunagai, M.S.Girija, AP/CS organized Webinar on Cyber Security held on 21.02.2022.



Mr.R.Senthil Kumar, AP/CS organized One Day Workshop on “System and Network Utilities” in coordination with Internal Quality Assurance Cell (IQAC) on 01.02.2022.

Dr.P.VinothiyaLakshmi, Asso.Prof/CS, Dr.P.Geetha, R.K.Kapila Vani, Asst.Prof/CS, organized a five days workshop on “Emerging Technologies and Tech Trends”, held from 21/02/2022 to 25/02/2022.

Club Activities:

Association of Computing Machinery (ACM):

Coordinators: Dr.R.Anitha and M.T.Rajasekaran

1. ACM organized a debate duel titled “Disrupt” in Alan Turing Hall on 16th of May, 2022
2. Webinar on “Journey of a Develop HER” was conducted on 11.01.2022 under ACM-W SVCE chapter
3. “The Missing Semester” - live hands-on workshop organized by the SVCE ACM Student Chapter on 29th& 30th January 2022.

Activities of Women Empowerment Cell, CARE, IICHe, IEEE Student Branch

The W-Wing of the SVCE ACM Students Chapter conducted a quiz based on women celebrities titled “Clueminati” on 11th

1. March, 2022. The event was organized by Dr.R.Anitha, Prof. & HoD/CSE and Dr.T.Rajasekaran, Assoc. Prof./CSE.

KNOW-I Club:

Coordinators: Dr.T.Padmavathy and Ms.V.Radha

1. Webinar on "Web Development" by Mr.Elayanathan.A, Founder and CEO, EROS Industries, on 06/03/2022 at 4.00 p.m.

2. Webinar on "Know-U (App Development)" by Mr. Pratik Butani is a Team Lead at 7Span - Ahmedabad on 6th March 2022 at 1.00 p.m. IST

3. Webinar on "Machine Learning", by Mr.Saisubramaniam Gopalakrishnan(CSE - 2015 Batch), Svcce Alumni, Research Engineer, Institute of Infocomm Research, on 06/03/2022 at 10.00 a.m.

4. Webinar - Mr. Rahul Kalyan Jakka(CSE 2021 Batch), Graduate Student, Purdue University, delivered a webinar on "How to Read a Research Paper", organised on 12/01/2022, 6.00p.m.

5. Webinar Series - KNOW-U -Mr.Praneeth Avapatti(CSE 2019 batch), threat researcher at MindTree delivered a webinar on "Cyber Security" on 22/02/2022 at 5.30 pm.

6. Online Code Debugging Event "UNRAVEL" on 27/03/2022 at

9.30 a.m. to 11.30 a.m.

7. Organized Know-I (hackML'22) on 7 & 8th June 2022, reviewed and judged by the TicVic CEO and Technical Head.

PALS Activities

Coordinators: Ms. S. U. Muthunagai, Ms. S. Poorani

1. Saineha B, Sandhya V III Year CSE-C won first prize in PALS-Analyze Case study presentation (Team Name: E-Commerce Aggregation) held on 28/04/2022.

Compete to Compute:

Coordinators: Ms.P.Vinothiyalakshmi and Mr.P.Selvamani

1. "Coding Contest" - Entry-level test for newcomers was conducted on 9th January 2022.

2. "An Insight about Developer Jobs" - Webinar to motivate the students for the participation in Hackathon, Coding events, Conferences, etc., conducted on 29/1/2022.

3. "Emerging Technologies and Tech Trends" - Workshop to know about emerging software's currently used by the IT companies, conducted from 21/2/2022 to 25/2/2022.

4. "Potential of IoT" - Webinar to know about IoT basics and interface software's currently used in IoT Projects, conducted on 28/2/2022.

Department of Electronics and Communication

Faculty Publications

Dr.S.Muthukumar, Seshadri N, Yashwanth B, Srivanth Ganesh, AI Voice Coach and Emergency Modules for Smartwatch Framework, Journal of Algebraic Statistics, Jun 2022.

D.Menaka, Dr.S.Ganesh Vaidyanathan, Chromenet: A CNN Architecture With Comparison Of Optimizers For Classification Of Human Chromosome Images, Multidimensional systems and signal processing, Vol 33, Issue 3, pp 747-768, Jan 2022.

P.Sharon Femi, S.Ganesh Vaidyanathan, An efficient ensemble framework for outlier detection using bio-inspired algorithm, International Journal of Bio-Inspired Computation, Feb 2022.

E.Rajalakshmi, S. Ganesh Vaidyanathan, Hybrid Time-Series Forecasting Models for Traffic Flow Forecasting, Promet - Traffic & Transportation, Vol. 34, No. 4, pp. 537-549, Feb 2022.

E. Rajalakshmi, S. Ganesh Vaidyanathan, MLP-PSO Framework with Dynamic Network Tuning for Traffic Flow Forecasting, Intelligent Automation & Soft Computing, Vol. 33, No.3, pp. 1335-1348, Mar 2022.

Athappan M & Dr KR Santha, A delay efficient hybrid parallel prefix variable latency CSKA based multi-operand adder with optimized 5:2 compressor and skip logic, International Journal of Electronics, Taylor & Francis, Apr 2022.

K Murali Krishna, M Ganesh Madhan, P Ashok, Performance predictions of VCSEL based cascaded fiber-FSO RoF system for 5G applications, Optik, Volume 257, May 2022, 168740, May 2022.

S. Mahaboob Basha, P.Mathivanan, A. Balaji Ganesh, Bit Level Color Image Encryption using Logistic-Sine-Tent Chebyshev (LSTC) map, Optik, Volume 259, June 2022, 168956.

K.B.Bhaskar, A.Prasanth, P.Saranya, An energy-efficient blockchain approach for secure communication in IoT-enabled electric vehicles, International Journal of Communication Systems - Wiley, April 2022.

Patents

Dr. S. Vijayanand, filed a patent on "Design of Pulse Oxygen meter Using IOT", patent application number 20141060100 filed on 22.12.2022 and published on 28.01.2022 with patent office journal no:04/2022, page no:4504

Dr.A.Prasanth, AP published a patent titled A SYSTEM FOR DETECTING FAULT IN A NETWORK AND PERFORMING RECOVERY MANAGEMENT AND A METHOD THEREOF in the South African Patent office Journal and also granted.

Application number : 2022/01775, Grant notification : 25/05/2022 Workshops/FDPs/ STTP Participated

Mrs.R.Kousalya AP, Ms.Rajeswari Ramaraj AP, Mr.P.Arul AP, Attended six days FDP on Digital VLSI Design in association with Entuple Technologies at SVCE from 31/01/2022 to 05/02/2022.

Dr.T.J.Jeyaprabha, ASP and Ms.C.Gomatheeswari Preethika, AP participated in the 5-day Workshop on Web Design for Everyone from 31/01/2022 to 04/02/2022 organized by the Department of IT, SVCE.

Dr.T.J.Jeyaprabha Completed AICTE-FDP NPTEL Online Certification with Elite and Silver certificate for successfully completing the course Computer Networks and Internet Protocol (Jan-Apr 2022) 12 Week Course with a score of 87% (24.1/25 & 63/75) by IIT Kharagpur.

Mrs.K.Srividhya, AP, Attended FDP on Advanced Signal Processing, Communications using AI and ML Techniques at GMR Ins of Technology and Sri Sairam Ins of technology 21/03/2022 to 23/03/2022.

Dr.S.Vijayanand, AP, Five Days Faculty development program on 'Recent Advancements in Communication and Wireless network JCT College of Engineering and Technology 01/03/2022 to 05/03/2022.

Mrs.K Srividhya AP, Mrs. S.Kalyani, AP, Mr.M.Athappan AP, Mr.M.K.Varadarajan AP attended one week International Short Term Training Programme on Emerging Trends and Research Challenges in Deep Learning Applications, Sri Venkateswara College of Engineering from 21/2/2022 to 26/2/2022.

Mrs.D.Menaka, AP, Mrs.K S Subhashini, AP, Mrs.S Kalyani, AP, attended three days National workshop on Applications of Deep Learning in Computer Vision, SSN College of Engineering during 10/02/2022 to 12/03/2022.

Dr.T.J.Jeyaprabha, ASP participated in one week International STTP on Emerging Trends and Research Challenges in Deep Learning Application from 21/02/2022 to 26/02/2022 organized by the Department of ECE, SVCE.

Faculty Achievements

Dr.N.Kumaratharan, Prof received best paper award for the paper titled, Ensembling Framework for Pneumonia detection in Chest X-Ray Images, at the International Conference on Smart Technologies and systems for Next Generation Computing, March 2022.

Dr.P.Jothilakshmi, Prof received second place for the paper titled, Design and Implementation of Fractal Antenna for Satellite Communication presented at the Faculty Research Day 2022 organized by Sri Venkateswara College of Engineering held on June 15th, 2022.

Dr.R.Gayathri, ASP, received first place for the paper titled, Tamil Handwritten Character Recognition presented at the Faculty Research Day 2022 organized by Sri Venkateswara College of Engineering held on June 15th, 2022.

Dr.R.Gayathri, ASP, received the International Best Researcher Award 2022 in the field Artificial Intelligence and Machine Learning title awarded by ISSN and World Research Council & Times of Research.

Dr.R.Gayathri, ASP, received Best Paper Award achieved for the paper titled, Joint Spectral-Spatial Feature Using Deep 3-D CNN or Hyperspectral Images was presented at the IEEE International Conference on Electronic System and Intelligent Computing organized by Vel Tech University held on April 22nd and 23rd

2022.

Dr.S.R.Malathi ASP translated the files of the NPTEL course "Integrated Circuits, MOSFETs, OP- Amps and their Applications (108108111)", offered by IISC Bangalore in Tamil Language (Hours Translated - 8).

Mrs.D.Menaka, AP, received Outstanding Teacher Award for the academic year 2020-21 awarded on 10th June 2022.

Dr.A.Prasanth, AP received best paper award titled PERFORMANCE ANALYSIS OF BLOCKCHAIN-BASED IoT MODEL FOR HEALTHCARE SYSTEM at the Virtual Conference on Smart Computing and Advanced Communication on 13- 05-2022.

Dr.A.Prasanth, AP received Third place for the paper titled, A Blockchain- Based secure Healthcare system for Parkinson disease prediction in IoT-enabled Smart Environment in the Faculty Research Day 2022 organized by Sri Venkateswara College of Engineering held on June 15th, 2022.

Expert Lectures Delivered

Dr.N.Kumaratharan, Prof delivered lecture on Advanced Communication Technologies for smart grid in Two days' workshop on Recent Technologies in Electric Vehicle and Smart Grid conducted under IEI SVCE EEE STUDENT CHAPTER in association with Association of Electrical and Electronics Engineers at SVCE on 30.05.2022.

Dr.R.Gayathri, ASP delivered lecture on Deep Learning Approach for Medical Image Analysis at Saveetha School of Engineering, Thandalam on 23/02/2022.

Dr.R.Gayathri, ASP delivered in the DRDO Sponsored Two Days National Workshop titled Hardware Architectures for Machine Learning Algorithms on April 28/04/2022 at Saveetha School of Engineering, Thandalam

Dr.R.Gayathri, ASP delivered a lecture titled CAD for VLSI Design in Six-day FDP on Digital VLSI Design, organized by the Department of ECE, SVCE in association with Entuple Technologies on 31.01.2022.

Dr.S. R. Malathi, ASP delivered a lecture titled Introduction to VLSI design flow, Circuit Characterization, Combinational Circuit Design in Six-day FDP on Digital VLSI Design, organized by the Department of ECE, SVCE in association with Entuple Technologies on 31/01/2022.

Dr.T.J.Jeyaprabha, ASP served as resource person for Velammal Engineering College and delivered a lecture on Cyber Security, Department of ECE, Velammal Engineering College on 26.04.2022.

Dr.T.J.Jeyaprabha, ASP served as resource person on IETE Day at Jeppiaar Institute of Technology. Topic of Lecture - How to be a Successful IETE Member organized by Department of ECE, JIT

on 26.03.2022.

Dr.K.Ashwini, AP served as resource person for FDP on Recent Trends and Development in Technology organized by Sathyabama Institute of Science and Technology, Chennai 07.03.2022 to 12.03.2022.

Dr.S.Vijayanand, AP delivered lecture on GIFi Technology Webinar event conducted by Department of ECE, Sethu Institute of Technology, Madurai on 28.02.2022.

Dr.A. Prasanth, AP delivered a lecture titled Contemporary Trends in IoT and Blockchain organized by Saveetha Engineering College, Chennai on 16.03.2022.

Events Organised

Make-a-thon 3.0 was organized at SVCE from 25/03/2022 to 26/03/2022.



A Webinar on Essentials of Technical Recruitment with Problem Solving Approaches was organized on 16/04/2022.

A Webinar on Cybersecurity Trends and Attacks was organized on 11/05/2022.



The International Conference - IETE CHENCON 2022 titled Power of Artificial Intelligence and Machine Learning for Human Empowerment hosted at SVCE in Hybrid Mode from 20/05/2022 to 21/05/2022.



A demo cum training on SIEMENS - SIMATIC IOT2040 towards industrial applications, was organized by Dept of ECE, SVCE in association with VI Microsystems Pvt Ltd, Chennai SVCE on 24/02/2022.

FDP on Recent Trends in Network Security was organized in online mode from 08/03/2022 to 12/03/2022.

FDP on Digital VLSI Design was organized on 31/02/2022 to 05/02/2022.

A workshop on 'Introduction to Machine Learning' was organized for two days. Ms. Lawshia Priya (An alumni of batch 2015-2019, SVCE) Decision Scientist, Mu Sigma Inc. and Ms. Ankita Panda Decision Scientist, Mu Sigma Inc. have delivered lectures and took the hands-on session on 22/01/2022 and 23/01/2022.

A webinar on Opportunities after Engineering for ECE students was organized on 19/03/2022.



A Webinar on Team center software tools, was organized by Dept of ECE, SVCE & VI microsystems Pvt Ltd in association with Siemens in Online mode on 05/1/2022.

One day webinar on ENTREPRENEURIAL SKILL DEVELOPMENT was organized in online mode on 24/01/2022.

The IEEE Student Branch organized guest lecture titled Multimodal Interaction on 11/4/2022. The speaker was Mr V Laxmi Narayanan, Research Associate at Multimodal Perception Lab, IIIT- Bangalore.



The Department of ECE organized an International Short Term Training Program on Emerging Trends and Research Challenges in Deep Learning Application. The expert lecture delivered by Mr. Shanthababu Pandian, AI & ML Architect, Cognizant Technology Solutions, London, Dr. Hemalatha, Professor -Information Technology Dept, the University of Technology and Applied Sciences, Oman, Dr. Meenalosini Vimal Cruz, Assistant Professor, Dept. of Information Technology, Allen E. Paulson College of Engineering and Computing, Georgia Southern University, USA.

The IEEE Student Branch organized webinar titled Automobile-An Electronics Playground on 11/1/2022. The speaker was Mr. Jebas Paul Daniel, Analog Design Engineer in Inductive Sensors Group, Microchip India.



A Webinar on The Future of the Mobile App Industry, Organised by Huawei in association with Dept of ECE, SVCE in online mode on 01/03/2022.

Students Achievements

Mr.Kishore, Mr.Nithin of III year ECE, Mr.V.S.Prithviraj and Ms.S.Lakshana of II year ECE,along with Mr.S.Tarun of III year CSE has participated and won SECOND PLACE in the IEI HACKATHON conducted by the IEI Students Chapter of SRM Institute of Science and Technology,Vadapalani on 29th and 30th January 2022.

Mr.M.Kishore of III year ECE had won SECOND place in 'The Swift', Fast Coding Competition conducted by the Association of Information Technologists along with Student Council of SVCE.

Mr.S.Yukesh Kumar, Ms. S. Sneha, Ms. R. Sujitha and Ms. M. Sakthi of III Year ECE C have bagged III place in Hackathon organized by REC and won cash prize of Rs.10,000/-.

Mr.M.Kishore won Second Place in South Indian Level Open Karate Championship -Represented TamilNadu, Pondicherry on 26.01.2022.

Mr. Pon Sai Raam V, Mr. Ragul T, Mr. Ajay Kumaar M of III year ECE won First place in Sparring for science on 25.1.2022 (online event)

Department of Electrical and Electronics Engineering

FDPs

Dr. KR. Santha Professor and Head, Dr. R Karthikeyan, Dr. S G Bharathidasan, Dr. S Kumaravel Associate Professors, Ms. S. Arulmozhi, Ms. M Sasikala, Ms. N Shanmugavadivu, Mr. C. Venkatesan, Ms. K Suganthi, Mr. S. Sudharsanam, Dr S S Sethuraman, Dr. T Annamalai, Ms. S Anitha, Mr. D S Purushothaman, Ms K S Pavithra, Ms. S Sinthamani, Mr V Mohanraj, Mr, G Vinothkumar, Dr. M Sankar, Ms. M Rajalakshmi, Dr C Kamal, Mr. S Thamizmani,

Dr R Kannadasan, Mr. I Arun Abhishek and Mr. M Pandiyarajan Assistant Professors attended five days online FDTP on "MATLAB Applications to Electric Vehicle, Smart Grid and Battery Management System", organised by Mathworks at SVCE from 20.01.2022 to 25.01.2022.

Ms M Sasikala, Mr. M Ranjithkumar and Ms. S Sinthamani Assistant Professors attended five days online ATAL FDP on "Recent Advances in Nanoscience and Nanotechnology" at Rajasthan Technical University from 17.01.2022 to 21.01.2022.

Dr. S S Sethuraman, Associate Professor attended five days online FDP on "Research Opportunities in Electrical Power

Engineering" at Department of Electrical and Electronics Engineering, Prasad V. Potluri Siddhartha Institute of Technology, Vijayawada, Andhra Pradesh, India from 23.03.2022 to 27.03.2022.

Dr. D Amudhavalli Assistant Professor attended six days online FDP on "Control Engineering in Electric Vehicles" at SRM TRPEC IEEE Students Branch and IIC from 07.02.2022 to 12.02.2022.

Ms S Anitha, Assistant Professor attended five days online FDP on "Recent Trends of Emerging Research Advances in Design Aspects and Innovative Modeling Techniques with Miniaturization for Electronics Devices and Circuits Electronic Devices & Circuits Engineering" at Engineering Degree Division, Institute of Engineering and Rural Technology, Prayagraj from 24.01.2022 to 28.01.2022.

Ms K S Pavithra, Assistant Professor attended five days online ATAL FDP on "Machine Learning Applications for Autonomous Driving" at KLE Technological University from 24.01.2022 to 28.01.2022.

Workshops

Dr N K Mohanty Professor, and Dr.R.Karthikeyan, Associated Professor, attended seven days short term course on "'Foundation Course in YOGA" at SVCE from 15.06.2022 to 21.06.2022.

Dr C Gopinath Associate Professor attended six days online short term training programme on "Avenues for Energy Conservation in Residential Buildings" at CEG,Guindy from 24.01.2022 to 31.01.2022.

Dr C Gopinath Associate Professor attended seven days online Orientation Programme on "Medical Data Analytics with Python" at Anna University Regional Campus, Tirunelveli from 04.01.2022 to 10.01.2022.

Dr C Gopinath Associate Professor attended One day Awareness workshop on "Intellectual Property Rights & Innovation -2022(IPR -2022)" at Anna University, Chennai on 28.04.2022.

Dr S Kumaravel, Associate Professor attended two days online workshop on "EV Charge Controllers- Power & Control Aspects"organised by VIT Chennai in association with TATA Elxsi (P)Ltd.Trivandrum, at VIT Chennai from 04.02.2022 to 05.02.2022.

Ms M Sasikala Assistant Professor attended six days online AICTE sponsored QIP short term course on "Sensors technology" at IIITDM, Kancheepuram from 14.03.2022 to 19.03.2022.

Ms M Sasikala and Ms S Sinthamani, Assistant Professors attended three days online INUP i2i Familiarization workshop on "Nanofabrication technologies" at IIT Madras from 11.01.2022 to 13.01.2022.

Dr. C. Venkatesan, Ms. K Suganthi and Mr. I Arun Abhishek Assistant Professor attended Two Day Online Workshop on "Ideation and Proposal Writing" jointly organized by PALS and Rural Technology Action Group, IIT Madras from 02.03.2022 to 03.03.2022.

Dr.S S Sethuraman and Mr.S.Thamizmani Assistant Professor attended two days workshop on "Issues of Renewable Energy Integrated Smart Grid (IRESG-2022)" at College of Engineering, Bhuvanehsvar, Odisha from 22.04.2022 to 23.04.2022.

Dr.D.Amudhavalli, Assistant Professor attended five days online workshop on "Emerging Technologies" at SVCE from 25.02.2022 to 01.03.2022.

Ms.D.Amudhavalli, Assistant Professor attended one day online workshop on "Recent Trends in Design of Induction Motor" at SRM TRPEC IEEE Students Branch and IIC on 14.02.2022.

Mr.M.Ranjithkumar and Ms.S.Sinthamani Assistant Professor attended three days online workshop on "Thin Film deposition and device fabrication" at VIT Vellore from 07.01.2022 to 09.01.2022.

Student Achievements

Mr.Ashwin Karthick, Mr.Barath Basu.VB, and Mr.Dharanesh of third year EEE/A students won third place in project exhibition DakshaaT22 held in May 28th 2022 at K.S.Rangasamy college of Technology Namakkal.

EEE Students have designed and developed the new products in collaboration with Gulf Engineering (P) Ltd. and successfully launched on 13.05.2022.

List of Students involved in product development:

E-Ticketing and I-Transport Management Systemlaunched on 13/05/2022:

1. Mr. Kamalesh. P, III-year EEE
2. Mr. Gokul Prasath.P, III-year EEE
3. Mr. Diwakar. K. S, III-year EEE
4. Ms. Swaeta L, III-year EEE

Electronic Bird, Squirrel and Reptile Repellent System for Electrical Installationlaunched on 28/02/2022:

1. Mr. Sai Prasanth.B.L, IV-year EEE
2. Mr. Saurabh Sonawane, IV-year EEE

Eight students of final year EEE got admission for higher studies in various Universities.

Industrial Visit



Seventy-nine students from 1st year EEE went to an industrial visit at Aruldevi Paper Mills, Panapakkam, Kanchipuram on 04/01/2022 and 08/02/2022

One hundred and twenty nine students from 2nd and 3rd year EEE went to an industrial visit at State Load Dispatch Centre - Headquarters (TANGEDCO-TNEB), Anna Salai, Chennai from 01/06/2022 and 03/06/2022

Forty six students from 2nd year EEE went to an industrial visit at North Chennai Thermal Power Station - Stage 2, Athipattu, Chennai on 02/06/2022.



Internship

Eighteen students from 3rd and 4th year EEE underwent an internship for 5 weeks at EmCog Solutions, Chennai from 22/01/2022 to 27/02/2022.

Two students from 3rd year EEE underwent an internship for 2 weeks at HYUNDAI Motors India Pvt. Ltd. from 18/02/2022 to 04/03/2022.

Two students from 3rd year EEE underwent an internship for 2 weeks at I.P.L Products, Thirumudivakkam, Chennai from 03/03/2022 to 17/03/2022.

Six students from 3rd year EEE underwent an internship for 5 weeks at Lets Grow More from 01/01/2022 to 01/02/2022.

Four students from 3rd year EEE underwent an internship for 2 weeks at Techno Power Systems, Ramapuram, Chennai from 07/02/2022 to 22/02/2022.

One student from 3rd and 4th year EEE underwent an internship for 26 weeks at Planys Technologies Pvt. Ltd., Chennai from 03/01/2022 to 03/07/2022.

Four students from 3rd year EEE underwent an internship for 2 weeks at NSIC - Technical services Centre, Chennai from 07/03/2022 to 21/03/2022.

Four students from 3rd year EEE underwent an internship for 2 weeks at Unitech Plasto Components Pvt. Ltd., Mugalivakkam, Chennai-600125 from 14/03/2022 to 29/03/2022.

Six students from 3rd year EEE underwent an internship for 2 weeks at Neyveli Lignite Corporation India Limited, Neyveli from 12/04/2022 to 25/04/2022.

Three students from 3rd year EEE underwent an internship for 5 weeks at Lyrclious [Online Internship] from 25/03/2022 to 25/04/2022.

Four students from 3rd year EEE underwent an internship for 2 weeks at Microne Industries, SIDCO Industrial Estate, Ambattur, Chennai-600098 from 21/02/2022 to 07/03/2022.

Two students from 2nd year EEE underwent an internship for 2 weeks at Pie Infocomm Pvt. Ltd., from 07/02/2022 to 12/03/2022.

Faculty Publications

Ms.Arulmozhi S, Dr. KR. Santha, "Analysis of dual-input three-port isolated DC-DC converter with bidirectional capability", Journal of Power Electronics, Vol. 22, no.:4, pp. 711-726, 2022.

Dr. KR Santha and M Athappan, "A delay efficient hybrid parallel prefix variable latency CSKA based multi-operand adder with optimized 5:2 compressor and skip logic", International Journal of Electronics. <https://doi.org/10.1080/00207217.2022.2081994>, June 2022

Ms.S. Rajalakshmi, Dr.K. R. Santha, "Hybrid Recommender System Using Systolic Tree for Pattern Mining", Computer Systems Science and Engineering journal, Volume 44, Issue 2, pp.1251-1262, March 2022.

Dr.Nalin Kant Mohanty "Investigation on Current and Prospective Energy Transition Scenarios in Indian Landscape Using Integrated SWOT-MCDA Methodology", SCI indexed journal- Sustainability, IF:3.2. Sustainability 2022, 14(9), 4940, Published: 20 April 2022.

Indrajayanthan, Venkatraman, and Nalin Kant Mohanty, "Assessment of Clean Energy Transition Potential in Major Power-Producing States of India Using Multi-Criteria Decision Analysis" Sustainability 14, no. 3: 1166. <https://doi.org/10.3390/su14031166>

Dr.C.Kamal, "Design optimization of giant magneto resistance-based magnetic nanoparticle detection in liquid samples for biomedical applications", in Journal of Nanoparticle Research (2022) 24:166 <https://doi.org/10.1007/s11051-022-05484-6> SCI Indexed, IF 2.253.

Dr.Kannadasan R, "Framework-Based Wind Forecasting to Assess Wind Potential with Improved Grey Wolf Optimization and Support Vector Regression", Sustainability 2022;

14(7):4235. <https://doi.org/10.3390/su14074235>. SCI Indexed, Q2, IF-3.87

Dr.Kannadasan R, "Harmonics Minimisation in Non-Linear Grid System Using an Intelligent Hysteresis Current Controller Operated from a Solar Powered ZETA Converter", *Sustainability* 2022, 14, 7028. <https://doi.org/10.3390/su14127028>. SCI Indexed, Q2, IF-3.87

R. Kannadasan, "Crop yield prediction using machine learning approaches on a wide spectrum," *Computers, Materials & Continua*, vol. 72, no.3, pp. 5663–5679, 2022.

R. Kannadasan,, "Design of a low-cost air quality monitoring system using arduino and thingspeak," *Computers, Materials & Continua*, vol. 70, no.1, pp. 151–169, 2022.

Dr.Kannadasan R, "A Novel Forward-Propagation Workflow Assessment Method for Malicious Packet Detection", *Sensors* 2022, 22, 4167. <https://doi.org/10.3390/s22114167>. SCI Indexed, Q2, IF-4.39.

Dr.Kannadasan R, "Electrical and Mechanical Characteristics Assessment of Wind Turbine System Employing Acoustic Sensors and Matrix Converter", *Sustainability* 2022, 14, 4404. <https://doi.org/10.3390/su14084404>. SCI Indexed, Q2, IF-3.87

Dr.Kannadasan R, "Machine Vision-Based Human Action Recognition Using Spatio-Temporal Motion Features (STMF) with Difference Intensity Distance Group Pattern (DIDGP)", *Electronics* 2022, 11, 2363. <https://doi.org/10.3390/electronics11152363> SCI Indexed, Q3, IF-3.58

Dr.Kannadasan R, "A Case Study on Renewable Energy Sources, Power Demand, and Policies in the States of South India-Development of a Thermoelectric Model", *Sustainability* 2022, 14, 8882. <https://doi.org/10.3390/su14148882>. SCI Indexed, Q2, IF-3.87.

Dr.Kannadasan R, "Target Object Detection from Unmanned Aerial Vehicle (UAV) Images Based on Improved YOLO Algorithm", *Electronics* 2022, 11, 2343. <https://doi.org/10.3390/electronics11152343>. SCI Indexed, Q3, IF-3.58

International Conference

M.Sankar, S.G.BharathiDasan,S.Thamizmani, "Real-Time Transient Stability Assessment of Post Fault Scenario in Power System by Using Probabilistic Neural Network," 2022 IEEE Delhi Section Conference (DELCON), 2022, pp. 1-8, doi:10.1109/DELCON54057.2022.9752930.

Suganthi K, and Sudhakar K B, "A Single-Inductor Multi-Output Current-Mode LED Driver with Soft-Switching" IEEE sponsored First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT 2022) organized K.

Ramakrishnan College of Engineering, Tiruchirappalli during 16 – 18, February 2022.

Sudharsanam Subramaniam¹, Sasikala Muthusamy¹ and Sudhakar K Bharatan¹, Simulation of Molybdenum Disulfide based MOSFET Device using COMSOL Multiphysics software", *Journal of Physics: Conference Series*, Volume 2312, Third International Conference on Emerging Electrical Energy, Electronics and Computing Technologies 2021 14/12/2021 - 15/12/2021 Online.

S Sinthamani, M Ranjithkumar, Sudhakar K Bharatan, S Anitha, Sudharsanam S, Sasikala M, "Optical characterization of RF sputtered copper oxide for thin film solar cell applications", *Materials Today: Proceedings*, Volume 59, Part 1, 2022, Pages 814-818, ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2022.01.114>.

Events Organised

Department of Electrical and Electronics Engineering in association with DesignTech Systems Pvt. Ltd. organised a one day workshop "MATLAB DAY – MATLAB and Simulink hands-on session" for all Engineering Department students on 11th January 2022. Dr.KR.Santha, Vice-Principal and HOD/EEE convened the event. Mr.Dhiraj Jagtap and Mr.D.Rajkumar, Application Engineer, Design Tech Systems Pvt. Ltd. was the resource person. 535 students benefited from the event.

Department of Electrical and Electronics Engineering in association with DesignTech Systems Pvt. Ltd. organised a five days FDTP on "MATLAB applications to Electric Vehicle, Smart Grid and Battery Management Systems" for all Engineering Department faculty from 20th to 25th January 2022.

Dr.KR.Santha, Vice-Principal and HOD/EEE convened the event. Dr.Ravindar Reddy CH Engineer Technical Support- MathWorks, DesignTech Systems Pvt Limited was the resource person. 48 faculty members attended and successfully completed the FDTP.

The 3-days "Sensor Guided Robotics – Hands-on Training" program was organized by the Association of Electrical and Electronics Engineers (AEEE), Department of Electrical and Electronics Engineering in association with The Institution of Engineers India (IEI) from 19/3/2022 to 21/3/2022 for the II year EEE students. The inauguration of the training program was held on 19/3/2022 in the Function Hall of the college premises from 9.30 AM to 10.00 AM. Dr.KR.Santha, Vice-Principal, Professor and HOD/EEE lighted the Kuthuvilakku and presented the inaugural address with more emphasis on robotic sensors, signal conditioning circuits, controllers, actuators and applications of robotics in medical field.



The guest lecture on the topic “Robots and Autonomous Mobile Robots Applications in Industries” was presented by Mr. B.Saravanan, BrixEn HiTech Pvt Ltd, Chennai on 21st March 2022.



The guest lecture on “Clean Coal Technologies for Sustainable Power Generation” presented by Mr.R.Krishna Kumar, Deputy Executive Engineer, NLC India Limited was held on 10th May 2022.



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A two-day workshop on “Recent Technologies in Electrical Vehicles and Smart Grid” was conducted on 30th and 31st of May, 2022. Mr.P.S.Premkumar, Division Manager - Industrial Automation, Hydrotek Engineering Company, Kuwait, was the guest speaker. Dr.KR. Santha, Vice principal and HOD/EEE convened the event. Dr.Sudhakar K B, Prof./EEE and Dr. S.G.Bharathidasan ASP/EEE, coordinated the event. 165 students participated in the workshop.



Events Organized

The Inaugural ceremony of the Institute of Electrical and Electronics Engineers (IEEE) Student Branch of Sri Venkateswara College of Engineering was conducted on 11th January 2022. The event was conducted online through google meet and had about 100 participants and went on for an hour. Mr.Jebas Paul Daniel, Technical Staff Engineer, Microchip India, was the Chief Guest for the event. The Chief guest delivered a speech on 'Automobile - An electronics playground' and spoke about different approaches in Car manufacturing.



The IEEE SVCE Student Chapter conducted a technical debate-like event titled “Model Phoebeus Cartel” on the 23rd of March 2022. The event saw more than 20 teams registering from across departments and years of study. The registered teams were assigned to a company from an industrial domain. Some of the companies given were Kirloskar, Toshiba, ABB, Texas Instruments, Boeing, IBM, Benz etc. The teams were supposed to represent their companies and address the various agendas/problem statements put forth by the moderators as required with emphasis on innovation and collaboration. The event took place in the Library Seminar Hall located in the A.C.Muthiah Central Library on the SVCE Campus.



The Institute of Electrical and Electronics Engineers (IEEE) Student Branch of Sri Venkateswara College of Engineering held a guest lecture on the topic Multi-modal Interaction on 11th April 2022. Dr. K.R. Santha, HoD/EEE, Vice-Principal, SVCE welcomed the gathering and delivered an inspiring speech. The Chief guest, Mr. V. Laxmi Narayanan, gave a brief guest lecture on the theme Multi-modal Interaction. He started his lecture by explaining how virtual reality plays an important role in the 21st century. He then stated out how essential it is in interviews and explained its efficiency. He spoke about avatars and also explained how they can be created. The event was then followed by a demonstration of facial detection. The event was informative and witnessed overwhelming response from participants.



Department of Information Technology

Workshops/FDPs/Conferences Participated

arts and science from 03.02.2022 to 12.02.2022.

Dr. V. M. Sivagami, ASP/IT attended Five days FDP on Reference Management and Data Visualization organized by NITTTR, Chennai from 14.02.2022 to 18.02.2022.

Dr. K. Suresh, AP/INT attended One Week International Short Term Training Programme on “Emerging Trends and Research Challenges in Deep Learning Applications” organized by SVCE from 21.02.2022 to 26.02.2022.

Ms. A. Kala, AP/INT and Ms. P. Sharon Femi, AP/INT attended Workshop on AWS Innovate AI/ML Edition organized by Amazon on 24.02.2022.

Ms. N. Uma, AP/INT attended Workshop on Cyberattacks and web application security Organized by Velammal Institute of Technology from 25.02.2022 to 26.02.2022.

Dr. N. Gobalakrishnan, ASP/INT and Dr. K. Suresh, AP/INT, attended Workshop on Emerging Technologies organized by SVCE from 25.02.2022 to 01.03.2022.

Mr. E. Sivakumar, AP/INT attended FDP on “Insight into Emerging Research Areas (IERA) Concepts, Challenges, and Opportunities” organized by SVCE from 02.03.2022 to 07.03.2022.

Ms. P. Sharon Femi, AP/INT, attended webinar on “The Future of Mobile App Industry” organized by Huawei on 12.03.2022.

Dr. T. Sukumar, AHOD/INT, Dr. V. Vidhya, HOD/INT, Ms. S. Aiswarya AP/INT, presented the paper titled “Detection of different types of cancers using deep learning technique” in the 4th International Conference on Computer Networks, Big Data and IoT organized by CARE college of Engineering.

Dr. V. M. Sivagami, ASP/INT, Ms. A. Kala, AP/INT and Ms. P. Sharon Femi, AP/INT attended a webinar on “Tableau - Advanced Interactive Dashboard and Storyline Creation and its Application” organized by BrainSwig Edutech Pvt Ltd on 30.01.2022.

Ms. B. T. Shobana, AP/INT, Ms. A. Kala, AP/INT, Ms. P. Sharon Femi, AP/INT, Ms. N. Uma, AP/INT, Mr. V. Praveenkumar, AP/INT, Mr. A. Thiyagarajan, AP/INT, and Mr. V. R. Vimal, AP/INT attended Workshop on “Cyber Security Through Deep Learning” organized by SVCE on 31.01.2022.

Dr. V. M. Sivagami, ASP/IT attended Workshop on WEB DESIGN FOR EVERYONE organized by SVCE from 31.01.2022 to 04.02.2022.

Dr. V. M. Sivagami, ASP/IT attended Two weeks (40 hours) Online Course on “Directions and Dimensions of Accreditation Criteria in the light of NEP for HEIs” organized by Electronics & ICT Academy, PDPM Indian Institute of Information Technology Design & Manufacturing Jabalpur in association with Sankara

Dr. T. Sukumar, AHOD/INT, Mr. V. Ranjith, AP/INT, Mr. V. Praveenkumar, AP/INT and Mr. V. R. Vimal, AP/INT attended FDP on “Microsoft Azure Machine Learning and Artificial Intelligence” organized by InfiSpark and epitome.ai from 15.03.2022 to 17.03.2022.

Mr. AR. Guru Gokul AP/IT, Ms. P. Leela Rani AP/IT and Dr. N. Devi Associate Professor/ IT has won the BEST PAPER AWARD in the International conference paper titled "Ensembling Framework for Pneumonia Detection in Chest X-ray images" in Smart Techniques and Systems for Next Generation Computing (ICSTSN 2022) held at IFET college of Engineering on 25th and 26th March 2022.

Dr. T. Sukumar, AHOD/INT attended the webinar on “The future of mobile app industry” organized by Huawei on 28.03.2022.

Dr. T. Sukumar, AHOD/INT, Dr. K. Suresh, AP/INT & Mr. V. R. Vimal, AP/INT attended FDP on “Microsoft Azure Data Fundamentals” organized by InfiSpark and epitome.ai from 29.03.2022 to 31.03.2022.

Mr. V. Praveenkumar, AP/INT attended Five days online FDP on “Inculcating Universal Human Values in Technical Education” organized by AICTE from 28.03.2022 to 01.04.2022.

Ms. B. T. Shobana, AP/INT & Ms. K. Kiruthika Devi AP/INT attended Three-day FDP on “Machine Learning” organized by Imarticus Learning from 31.03.2022 to 02.04.2022.

Dr. V. M. Sivagami, ASP/INT, attended webinar on “The Future of Mobile App Industry” organized by Huawei on 12.04.2022.

Dr. G. Sumathi, Prof/INT participated in IEEE International Conference on Smart Structures and Systems (ICSSS 2022) on 21 & 22-04-2022 organised by Saveetha Engineering College, Chennai.

Dr. N. Gobalakrishnan, ASP/INT presented a paper titled “Automated Approach to Detect and Monitor the Development of Turner's Syndrome” in the 2022 IEEE Sponsored Second International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2022) held at Shri Shankaracharya Technical Campus (SSTC), Bhilai, Chhattisgarh, India during 21 - 22, April 2022.

Dr. N. Gobalakrishnan, ASP/INT presented a paper titled “A survey of various feature recognition and Classification of Medical Images” at 6th IEEE International Conference on Trends in Electronics and Informatics (ICOEI – 2022) organized by SCAD College of Engineering and Technology held on 28-30, April 2022.

Mr. V. Praveenkumar, AP/INT attended Workshop on “Implementation of 5S and Quality Circles in HEI” organized by SVCE on 28.04.2022.

Dr. V. M. Sivagami, ASP/IT attended Workshop on “Elsevier Knowledge Hub - Publication Ethics and Research Integrity in

Science” organized by Elsevier on 25.05.2022.

Ms. S. Jerusha, AP/INT attended a webinar on “Cyber Security Driven Industrial Applications” organized by SVCE on 25.05.2022.

Dr. N. Gobalakrishnan, ASP/INT attended webinar on “Knowledge Representation in AI” organized by SIMATS School of Engineering on 25.05.2022.

Dr. P. Sharon Femi, AP/INT, Mr. V. Praveenkumar, AP/INT and Mr. A. Thiyagarajan, AP/INT attended a webinar on “Data Warehouse and Business Intelligence” organized by SVCE on 30.05.2022.

Ms. A. Kala, AP/INT and Dr. P. Sharon Femi, AP/INT attended Five-day Online Faculty Training Programme on “Recent Trends in Cyber Security” organized by Anna University, CEG Campus from 13.06.2022 to 17.06.2022.

Dr. V. Vidhya, HOD/INT, Dr. G. Sumathi, Prof/INT, Dr. T. Sukumar, AHOD/INT, Dr. N. Gobalakrishnan, ASP/INT, Dr. D. Jayanthi, ASP/INT and Dr. N. Devi, ASP/INT chaired the sessions for the National conference on Communication and Informatics (NCCI – 2022) held on 14.06.2022 at SVCE.

Dr. T. Sukumar, AHOD/INT attended the Mentor-Mentee Two days Training & Exposure Visit on “Innovation & Entrepreneurship” organized by the Institution Innovation Council (Ic201810371 – IIC SVCE Chennai), SVCE from 16.06.2022 to 17.06.2022.

Ms. S. Jerusha, AP/INT attended a webinar on “Cyber Security Driven Industrial Applications” organized by SVCE on 25.05.2022.

Dr. N. Gobalakrishnan, ASP/INT attended webinar on “Knowledge Representation in AI” organized by SIMATS School of Engineering on 25.05.2022.

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Dr. V. Vidhya, HOD/INT, Dr. G. Sumathi, Prof/INT, Dr. T. Sukumar, AHOD/INT, Dr. N. Gobalakrishnan, ASP/INT, Dr. D. Jayanthi, ASP/INT and Dr. N. Devi, ASP/INT chaired the sessions for the National conference on Communication and Informatics (NCCI – 2022) held on 14.06.2022 at SVCE.

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Council (Ic201810371 – IIC SVCE Chennai), SVCE from 16.06.2022 to 17.06.2022.

Achievements

Events Organised

Ms. N. Uma, AP/INT and Ms. M. Sugacini AP/INT organized Online Certification Program on Advanced Excel from 07.07.2021 to 12.07.2021.

Ms. A.Kala, AP/INT, Ms. K.Kiruthika Devi, AP/INT and Ms. P.Sharon Femi, AP/INT organized Guest Lecture on “What not to do to be an entrepreneur” on 23.07.21.

Dr. G. Sumathi Prof./INT, Dr. N. Devi ASP/INT, Ms. D. Jayanthi ASP/INT, Ms. P. Leela Rani AP/INT, and Mr. A. R. Guru Gokul AP/INT acted as Primary Evaluator for the Toycathon, 2021 organized by AICTE on 20.01.2022.

Mr. E. Sivakumar AP/INT is acting as Technical Mentor for the startup “COOKOOC” recognized and permitted to incubate by SVCE – EPIC from 27.01.2022.



A startup named ENVOI, a Merchandize for SVCE, formulated by Mr. N.Sanjaiv and Ms. Jassi Grace, final year Chemical Engineering and final year Information Technology respectively, under the technical mentorship of Dr. V. Vidhya HOD/INT, is incubated at SVCE-EPIC under CREATE IT SOLUTIONS

Dr. C. Yaashuwanth, ASP/INT deputed as review committee member of Kongunadu College of Engineering and Technology (Autonomous), Trichy by IIC-SVCE, Chennai on 16.02.2022.

Mr. AR. Guru Gokul AP/INT, Ms. P. Leela Rani AP/INT and Dr. N. Devi ASP/INT received BEST PAPER AWARD in the International conference on Smart Techniques and Systems for Next Generation Computing (ICSTSN 2022) held at IFET college of Engineering on 25.03.2022 & 26.03.2022.

Dr. D. Jayanthi ASP/INT completed her PhD degree during April 2022.

Dr. P. Sharon Femi AP/INT and Dr. G. Sangeetha AP/INT

completed their PhD degree during May 2022.

Dr. V. M. Sivagami, ASP/INT (20 years) and Ms. A. Indumathi AP/INT (10 years) received SVCE Long Service Awards in the College Day function held on 10.05.2022.

Students' Achievement

Mr.TS Sanjiv, Mr.Sharan.S, Mr. Varun Prasadd SD from II year INT B have secured IT Honourary in Hack O' Holic (75 Hours Hackathon) organized by the Students' Council of SVCE along with AIT, CSI and IEEE from 27th to 30th January 2022.



Mr.A.Gunasekaran, III year IT A - III year IT A has won II place in the 24 Hours MAKE-A-THON 3.0 organized by ECE Dept., SVCE on 25th and 26th March 2022.

Mr. S. Girish Kumar, Mr. S. Jaisurya, Ms. Febia Thomas-III year IT A has won Best UI/UX award in the 24 Hours MAKE-A-THON 3.0 organized by ECE Dept., SVCE on 25th and 26th March 2022.

Mr. Sreekesh Devanathan and Mr.S. Sailesh Baabu from III year INT 'B' secured First position with a cash prize of Rs.1000 for the paper titled "Dynamic traffic management system" in the Paper Presentation event in TECHNOZARRE2k22, A National Level Technical Symposium organized by the Departments of CSE and IT at St. Peter's Institute of Higher Education and Research on 25th April 2022 under the mentorship of Ms. N. Uma, AP/INT, Ms. B. T. Shobana, AP/INT and Ms. K. Kiruthika Devi, AP/INT.



Ms. Febia Thomas, Mr. Girish Kumar, Mr.Jaisurya. S, Ms.Deekshitha from III year INT 'A' secured position under TOP 10 in Technothon '22 organized by the Department of Computer Science and Engineering, Galgotias College of Engineering and Technology, Greater Noida, held during 10th and 11th May 2022 under the guidance of Dr. V. M. Sivagami, ASP/INT.

Mr. S. Pragatheeshwar and Mr. Sri Hariharasudhan from I year INT 'B' secured First position in the Paper Presentation event at Rajalakshmi Institute of Technology on 14th May 2022 under the mentorship of Ms. A. Indumathi, AP/INT and Dr. D. Jayanthi, ASP/INT.

Mr. S.Pragatheeshwar from I year INT 'B' secured Second position in the HACKIT, a 24 hour online industry associated Hackathon organized by the Department of Information Technology held during 12th and 13th May 2022 under the mentorship of Dr.D.Jayanthi, ASP/INT.

Mr. S. Girish Kumar, Mr. S. Jaisurya, Ms. Febia Thomas, Ms.Deekshitha, Mr.Kesav S.J, Mr.Abishek.V from III year IT A secured Third position in HACKIT, a 24 hour online industry associated Hackathon organized by the Department of Information Technology held during 12th and 13th May 2022 under the mentorship of Dr.V.M.Sivagami, ASP/INT

Mr. S.Sharan from II year INT 'B' secured Third place in RIP-OFF-UI event as part of Hackerz'22 on 16th May 2022, at Chennai Institute of Technology, Kundrathur, Chennai.

Mr. S.Sharan from II year INT 'B' secured First place with a cash prize of Rs.2000 in DESIGNO-LIT-O during TALOS, a National Level Technical Symposium organized by Department of Artificial Intelligence and Data Science held on 26th May 2022, at Chennai Institute of Technology.



Mr. S. Roheth and Mr. S. Roshaan of II year INT 'B' secured the Second position with a cash prize of Rs. 1500 in Kings in Web IT event at Kings Engineering College held on 2nd June 2022 under the mentorship of Dr.N.Gobalakrishnan, ASP/INT.

Mr. S. Roheth, Mr. S. Roshaan and Ms.R.Shreya of II year INT 'B' emerged as RUNNERS with a cash prize of Rs.1500 in the hackML'22 conducted by the Know-I Club of Department of Computer science and Engineering in association with TICVIC Technologies Pvt. Ltd. on 7th and 8th June 2022 under the

mentorship of Dr.D.Jayanthi, ASP/INT and Dr.N.Gobalakrishnan, ASP/INT.



Extra-curricular Activities

Mr.Magesh.A, III year IT A has won Man of the Match Award in LICET Cricket Tournament on 14th March 2022

Mr.Akash Dev, I yr IT A has won Shining Star Award in STAG Cricket Ground on 19th March 2022.

Mr.TS.Sanjiv, II year IT B-Best Performer Award in DBCL Tournament,5th March 2022.

Mr.S.Gowtham, II year IT A has won 2nd place in South Zone National Fistball Championship held at "Prince Academy", Bangalore, Karnataka from 18th to 20th March 2022.

Mr.Magesh.A, III year IT A has won Man of the Match Award in LICET Cricket Tournament on 14th March 2022

Mr.Magesh.A, III year IT A has won Man of the Series Award in Dr.A.C.Muthiah Rolling Trophy Inter College Cricket Tournament held on 5th April to 2nd May 2022.



Akash Devkumar of first year INT student got selected for Tamil Nadu Premier League 2022 cricket team. He is representing Nellai Royal kings in TNPL 2022 match to be held from June 23 to July 31, 2022.



Mr. S. Gowtham from II year INT 'A' has represented Tamilnadu Fistball Team and the team won the 6th Senior National Fistball Championship 2022 held at Secunderabad, Telangana from 1st to 3rd June 2022.

Mr. S. Gowtham also received the Best Player Award. Thiru. Siva. V. Meyyanathan, Minister of Youth Welfare and Sports Development, Tamil Nadu felicitated the team of 6th Senior National Fistball Championship winners on 05.06.2022.



Co-curricular Activities

Mr. Aryan Srikumar from III year INT 'A' has secured the Best Director in Silver Frames Short Film Competition held on 24th March 2022 at SRM Institute of Science and Technology, Ramapuram. Mr. Madhav Hari of III year INT 'A' acted in this short film.



Mr. S. Gowtham from II year INT 'A' has represented Tamilnadu Fistball Team and the team won the 6th Senior National Fistball Championship 2022 held at Secunderabad, Telangana from 1st to 3rd June 2022.

Mr. S. Gowtham also received the Best Player Award. Thiru. Siva. V. Meyyanathan, Minister of Youth Welfare and Sports Development, Tamil Nadu felicitated the team of 6th Senior National Fistball Championship winners on 05.06.2022.

Mr. Aryan Srikumar from III year INT 'A' and his team has received the Jury Special mention for the short film Maalai Varum Vennila in the short film event conducted on 9.4.22 by FILM CLUB of KPR Institute of Engineering and Technology, Coimbatore.

Publications

Navish Vardana S, Devi N, Monish Murale, Rahul Prasanth K and Nilesh D, "Multi-Label Classification for Diagnosis of Tuberculosis from Chest X-Ray Images", IEEE International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI-2022), pp 255-261 and published in IEEE Explore.

V. Dharshan, M. Monishkumar, A. Thilakesh Raj and Dr. G. Sumathi, Prof/INT presented a paper titled "A Dynamic System to assist vision for visually challenged" in 2022 8th International IEEE Conference on smart structures and systems (ICSSS 2022) organised by Saveetha Engineering College, Chennai on 21 & 22-04-2022.

Mayank Sharma, Akilesh, Vishwaa, Dr. P. Sharon Femi, Ms. A. Kala presented a paper titled "Virtually controlling computers using hand gesture and voice commands" in the 10th International Conference on Contemporary Engineering and Technology 2022 held on 21st and 22nd May 2022.

Faculty Publications

C. Yaashuwanth, "Analysis of brushless dc motor using enhanced fopid controller with alo algorithm," Intelligent Automation & Soft Computing, vol. 34, no.1, pp. 543-557, 2022.

Patent Published

Dr. B. Prakash, AP/INT filed and granted a patent titled "Profile based digitalization of medical record in cloud" on 02.01.2022 (Application No. 2021100009).

Dr. C. Yaaswanth, ASP/INT along with his research scholars filed a Design patent titled "A CONVECTION TURBINE RENEWABLE ENERGY CONVERTER", in IPR; Kolkata was published in the Patent Office Journal and also granted on 29.04.2022.

Book chapter published

Dr.C.Yaashuwanth, ASP/INT published a book chapter titled

“Combination BFPSO Tuned intelligent Controller for Maximum Power Point Tracking in solar photovoltaic Farm Interconnected to Grid Supply” in Springer, Feb 2022.

MoUs Signed

Department of Information Technology signed MoU with Quadrel Systems Pvt Ltd on 20.04.2022 (3 Years validity).

Department of Information Technology Signed MoU with Mastermind Academy on 20.04.2022 (3 Years validity).

Resource Person

Ms. A. Indumathi, AP/INT delivered a technical talk on “Web page Design using HTML5” for the online workshop on “Web Design for Everyone” on 31.01.2022 organized by SVCE.

Mr. V. Ranjith, AP/INT delivered a technical talk on “Website design using PHP with Backend Connectivity” for the online workshop on “Web Design for Everyone” on 31.01.2022 organized by SVCE.

Dr. N. Devi, ASP/INT delivered a technical talk on “Introduction to Image Processing” for Two-day hands-on Training Programme “Image Processing using OpenCV” on 16th and 17th February 2022 organized by Sri Chandrasekarendra Saraswathi Viswa Maha Vidyalaya (SCSVMV), Kanchipuram.

Ms. P. Leela Rani, AP/INT, delivered a technical talk on “Basic image processing techniques using OpenCV” for Two-day hands-on Training Programme “Image Processing using OpenCV” on 16th and 17th February 2022 organized by Sri Chandrasekarendra Saraswathi Viswa Maha Vidyalaya (SCSVMV), Kanchipuram.

Mr. A. R. Guru Gokul, AP/INT, delivered a technical talk on “Advanced image and video processing techniques using OpenCV” for Two-day hands-on Training Programme “Image Processing using OpenCV” on 16th and 17th February 2022 organized by Sri Chandrasekarendra Saraswathi Viswa Maha Vidyalaya (SCSVMV), Kanchipuram.

Dr. G. Sumathi, Prof/INT delivered in a session titled “Role of Quantum Computing in Cyber Security” for the event FDP on Research Trends in Network Security on 09.03.22 organized by the Department of Electronics and Communication Engineering in association with IETE Chennai.

Dr. V. Vidhya, HOD/INT and Ms. R. Saktheeswari, AP/INT delivered a technical talk on “Brainstorming, Ideation, Conceptualization and Building solution to Problem Statements” for the SVCE Hackathon Workshop for Schools on 12.03.2022.

Dr. T. Sukumar, AHOD/INT, delivered a technical talk on “Basic to Advanced in C” for SUKALP (Centre for Skill & Personality Development) held on 12.03.2022.

Dr. V. Vidhya, HOD/INT, delivered a technical talk on “Syntactic Parsing – Parsing Strategy” organized by VELS Institute of Science, Technology & Advanced Studies on 14.03.22.

Ms. N. Uma AP/INT delivered a technical talk on “GUI Programming using Python” on 18.03.22 organized by VELS Institute of Science, Technology & Advanced studies.

Ms. P. Sharon Femi, AP/INT delivered a technical talk on “Game Playing” on 06.04.2022 for the event Guest Lecture on “AD8402 – Artificial Intelligence - I” organized by Dhanalakshmi College of Engineering.

Ms. A. Kala, AP/INT delivered a technical talk on “Constraint Satisfaction Problem” on 06.04.2022 for the event Guest Lecture on “AD8402 – Artificial Intelligence - I” organized by Dhanalakshmi College of Engineering.

Dr. D. Jayanthi, ASP/INT delivered Guest Lecture on “Knowledge representation using Artificial Intelligence” on 16.05.2022 organized by Velammal Institute of Technology.

Dr. D. Jayanthi, ASP/INT delivered a technical talk on “Deep Learning” for National Conference on communication and Informatics (NCCI 2022) on 14.06.2022 organized by SVCE.

Events Organised

Dr. V. Vidhya HOD/INT and Mr. V. Ranjith AP/INT organized a guest lecture on Career Guidance on 22.01.2022.

Dr. V. M. Sivagami, ASP/INT and Ms. P. Leela Rani, AP/INT organized Workshop on Cyber Security through Deep Learning on 31.01.2022.

Ms. N. Uma, AP/INT and Ms. M. Sugacini, AP/INT organized Online Workshop on “WEB DESIGN FOR EVERYONE” from 31.01.2022 to 04.02.2022.

Dr. V. Vidhya, HOD/INT, Ms. A. Kala, AP/INT, Dr. P. Sharon Femi, Mr. V. Ranjith, AP/INT organized HACKIT - A 24-Hour online Industry-associated Hackathon on 12.05.2022 and 13.05.2022.

Dr. V. Vidhya, HOD/INT, Dr. V. M. Sivagami, ASP/INT Ms. P. Leela Rani, AP/INT and Ms. S. Jerusha, AP/INT organized a Guest Lecture on Cyber security Driven Industrial applications on 25.05.2022.

Dr. T. Sukumar AHOD/INT organized a Webinar on Data Ware House and Business Intelligence held on 30.05.2022.

Dr. V. M. Sivagami, ASP/INT, Ms. P. Leela Rani, AP/INT organized National Conference on Communication and Informatics (NCCI-2022) held on 14.06.2022.



Department of Marine Engineering

Workshops/FDPs/Conferences

Prof.S.Krishnan, HoD, Prof.S.Kalidoss, Asst.HoD, Dr. M.Anandan, ASP, Mr. V.Gurusamy, ASP, Mr.G.Rameshkannan, AP & Mr.A.Mohan, AP, MAR attended "One day virtual workshop on Green Shipping" in India organized by Directorate General of Shipping, GoI on 30 April 2022.

Dr.M.Anandan, ASP has attended "Faculty development program on Operation and programming of Industrial Robot" by Dept. of Mechanical Engineering, SVCE from 23/05/22 to 27/05/22.

Dr.M.Anandan, ASP & S.G.Karthik, AP has participated in "Disaster Awareness Programme" conducted by Sri Sathya Sai Seva Organisations, TamilNadu on 21 May 2022.

Mr.R.Karthic Kumar Assistant Professor had Presented paper titled, "Experimental study of Natural Frequency and damping Effect on Various Hollow steel structures filled with fluids" in National Conference on "Emerging trends in chemical and petrochemical Technology" organized by University College of Engineering, Anna University, Trichy on 3rd & 4th JUNE 2022.

Dr.A.Sankaran Assistant Professor has attended one week online FDP on "Artificial Intelligence/Machine learning for Mechanical Engineering Problems organised by Shri Vishnu Engineering College for Women from 21st March to 26th March 2022

G.Rameshkannan, Assistant Professor has attended "one day virtual workshop on Green Shipping" in India organized by Directorate General of Shipping, GoI dated 30 April 2022.

Student's Achievements

The following Final year Marine Students participated in National level symposium "MARINERS ABOARD" conducted by AMET University, Kanathur, Chennai on 26th and 27th April 2022, had secured the following Places:

1. Mr.Praveen Kumar M (Reg No:180901010) 2nd Place in Extempore Event
2. Mr.Md Navith Imran (Reg No: 180901006) 3rd Place in Extempore Event
3. Team of 4 students, Mr.Muthu K, Mr.Niranjana, Mr.Raakesh K R, Mr.Saranraj S won 3rd Position in the Enclosed Space Entry competition.

Final Year Marine students Mr. Malikkul Kamil A, Mr. Md Navith Imran and Mr.Rahul T had presented technical paper in the title of "Damping Dynamic Motion Effect of the Vessel Using Gyroscopic Stabilizer" in the "3rd International Conference on Innovations in Thermal, Manufacturing, Structural and Environmental Engineering (ICITMSEE'22)" organized by Kongunadu College of Engineering and Technology, Trichy, Tamil Nadu on 23-April 2022

OVERALL CHAMPIONSHIP IN ATHLETICS by Final Year marine engineering student Mr. LUCAN RONALD C during College sports Day June 2022.



Faculty Publications/Patent

Mr.R.Karthic Kumar Assistant Professor has Published paper titled "Influence of Gd₂O₃ on ZnO Nano materials for the Enhancement of Catalytic Behaviour" in Journal of Superconductivity and Novel Magnetism (Springer) indexed in SCI on 20April2022.

Dr.A.Sankaran Assistant Professor has Published paper titled "Influence of Gd₂O₃ on ZnO Nano materials for the Enhancement of Catalytic Behaviour" in Journal of Superconductivity and Novel Magnetism (Springer) indexed in SCI on 20April2022.

G.Rameshkannan, Assistant Professor published a article with a title of "Effect of Alkalization on Physical, Chemical, Morphological and Mechanical Properties of Aerial Root Ficus Amplissima Fibre" in the SCI indexed Q1 Journal of Natural Fibers Journal of Natural Fibers on 19 March2022,

<https://doi.org/10.1080/15440478.2022.2051671>,

Expert Lectures

Dr.A.Sankaran, Assistant Professor-MAR gave Guest Lecture in Marine Webinar organized by Mohamed Sathak Engineering College on the Topic "Importance of Planned maintenance system on-board the ships" through online mode on 29th January 2022

Events Organised

Dr.G.Saravanan, Strategy Manager, Earth Moving Division, Caterpillar delivered a guest lecture "Six Sigma Concepts and effective Team Building in Industries" on 13 April 2022.

Dr.R.Ramesh, Dean Academics, SVCE and Dr.C.Senthamarai Kannan, Associate Professor, SVCE delivered a guest lecture "Vibration-Experiential Learning" on 24 May 2022.

Department of Mechanical Engineering

Workshops/FDPs/Conferences

Dr. S Gopinath Professors attended Leadership Skill Program on “Participated in Higher Education Conclave” conducted by Mastersoft on 08 Jan 2022 at SVCE..

Dr. S Gopinath Professors attended a Faculty Development Program on “Operation and Programming of Industrial Robot” on 23 May 2022 to 27 May 2022 at SVCE.

Dr. M Premananth, Associate Professors attended a Faculty Development Program on “MATLAB applications to Electric Vehicle, Smart Grid and Battery Management Systems” on 20 Jan 2022 to 25 Jan 2022 at SVCE.

Mr R Kaliyanasunder Assistant Professors attended a Faculty Development Program on “MATLAB applications to Electric Vehicle, Smart Grid and Battery Management Systems” on 20 Jan 2022 to 25 Jan 2022 at SVCE..

Dr. C Senthamarai Kannan Assistant Professor attended a Faculty Development Program on Nanostructured Materials and Their Applications" ATAL National Institute of Technology Manipur from 07 Feb 2022 to 11 Feb 2022 at SVCE..

Dr. C Senthamarai Kannan Assistant Professor attended a Faculty Development Program on "Leadership & Excellence" ATAL , IES's Management College and Research Centre from 21 Feb 2022 to 25 Feb 2022 at SVCE.

Dr. C Senthamarai Kannan Assistant Professor attended a Workshop on “Implementation of 5S and Quality Circles in HEI” on 28 April 2022 at SVCE.

Dr. M Gajendran Assistant Professor attended a Faculty Development Program on “Operation and Programming of Industrial Robot” on 23 May 2022 to 27 May 2022 at SVCE.

Dr. M Gajendran, Assistant Professor attended a Faculty Development Program on “MATLAB applications to Electric Vehicle, Smart Grid and Battery Management Systems” on 20 Jan 2022 to 25 Jan 2022 at SVCE.

Dr. S Muniraj, Assistant Professor attended a Faculty Development Program on “MATLAB applications to Electric Vehicle, Smart Grid and Battery Management Systems” on 20 Jan 2022 to 25 Jan 2022 at SVCE.

Dr. S Arumugam, Assistant Professor attended a Faculty Development Program on “MATLAB applications to Electric Vehicle, Smart Grid and Battery Management Systems” on 20 Jan 2022 to 25 Jan 2022 at SVCE.

Mr. V Senthil Velan, Assistant Professor attended a Faculty Development Program on "Entrepreneurship & Start-ups" on 28 Feb 2022 to 12 March 2022 at Entrepreneurship Development Institute of India, Ahmedabad & Center for ED, Anna University.

Vehicle, Smart Grid and Battery Management Systems” on 20 Jan 2022 to 25 Jan 2022 at SVCE.

Mr M Maheswaran Assistant Professor attended a Faculty Development Program on “FUSION 360 Workshop” on 02 April 2022 to 04 April 2022 at SVCE.

Mr. G Kirubakaran Assistant Professor attended a Faculty Development Program on “ATAL FDP on "Lean manufacturing in Industry 4.0 Scenario"” on 24 Jan 2022 to 28 Jan 2022 at Raja Rajeshwari College of Engineering

Mr. G Kirubakaran Assistant Professor attended a Faculty Development Program on ATAL FDP on "Polymer Matrix based nanostructures for targeted Drug Delivery Application" on 07 Feb 2022 to 11 Feb 2022 at CIPET, Guwahati.

Mr. G Kirubakaran Assistant Professor attended a Faculty Development Program on “STTP on "Plastics Product Manufacturing & Recycling techniques” on 15 Feb 2022 to 21 Feb 2022 at CIPET: CSTS-Guwahati.

Mr. G Kirubakaran Assistant Professor attended a Faculty Development Program on “One-week short term course on additive manufacturing & Characterization” on 21 Feb 2022 to 25 Feb 2022 at CIT, Kundrathur.

Mr. G Kirubakaran Assistant Professor attended a Faculty Development Program on “FUSION 360 Workshop” on 02 April 2022 to 04 April 2022 at SVCE.

Mr. G Kirubakaran Assistant Professor attended a Faculty Development Program on “Operation and Programming of Industrial Robot” on 23 May 2022 to 27 May 2022 at SVCE.

Mr. M Balakumar Assistant Professor attended a Faculty Development Program on “FUSION 360 Workshop” on 02 April 2022 to 04 April 2022 at SVCE.

Mr. M Arulkumar Assistant Professor attended a STTP on “Mechatronics: Integrated Technologies for Intelligent machine” on 14 March 2022 to 19 March 2022 at SVCE.

Mr. M Arulkumar Assistant Professor attended a Faculty Development Program on “FUSION 360 Workshop” on 02 April 2022 to 04 April 2022 at SVCE.

Mr. J Sivaramapandian Assistant Professor attended a Faculty Development Program on “MATLAB applications to Electric Vehicle, Smart Grid and Battery Management Systems” on 20 Jan 2022 to 25 Jan 2022 at SVCE.

Mr. K Ramprasad Assistant Professor attended a Faculty Development Program on “Operation and Programming of Industrial Robot” on 23 May 2022 to 27 May 2022 at SVCE.

Mr. K Ramprasad Assistant Professor attended a Workshop on

"Implementation of 5S and Quality Circles in HEI" on 28 April 2022 at SVCE.

Mr. M Nishal Assistant Professor attended a Faculty Development Program on "Operation and Programming of Industrial Robot" on 23 May 2022 to 27 May 2022 at SVCE.

Mr. S Saravanan Assistant Professor attended a Faculty Development Program on "Operation and Programming of Industrial Robot" on 23 May 2022 to 27 May 2022 at SVCE.

Mr. Joe Johnson "Industry 4.0 Technologies: Application in Manufacturing Supply Chain" on 05 May 2022 to 13 May at NIT Patna.

Mr. Joe Johnson Assistant Professor attended a Faculty Development Program on "FUSION 360 Workshop" on 02 April 2022 to 04 April 2022 at SVCE.

Student's Achievements

Gokulakrishnan K of IV-year Mechanical Engineering student is adjudged as 'The Best Outgoing Mechanical Engineer' for the academic year 2021-2022. This award is instituted by CETHAR Vessels Pvt. Ltd., Tiruchirappalli.

Tanari Sai Vignesh of III-year Mechanical Engineering student is adjudged as The Best Performing Mechanical Engineering student in the third year. This award is instituted by CETHAR Vessels Pvt. Ltd., Tiruchirappalli.

Akash R of II-year Mechanical Engineering student is adjudged as The Best Performing Mechanical Engineering student in the third year. This award is instituted by CETHAR Vessels Pvt. Ltd., Tiruchirappalli.

Vignesh A, Siva Prasath S, Shrudin S and Subin R the students of 3rd year Mechanical Engineering have presented a project titled "Design and Fabrication of Three Wheeler for Physically Challenged People" and secured I prize in the Students' Research Day 2022 event conducted by SVCE.

Sylendra Frabanjan S, Sriram K, Raviram K and Ramesh Aravind M the students of 2nd year Mechanical Engineering have participated in a online quiz organized by PALS INDUSTRY SPEAKS - CORE - NPD (NEW PRODUCT DEVELOPMENT) and certified as Sparking Star.

Joshua Praveen R, Bhavesh B and Ajith A the students of 3rd year Mechanical Engineering have published a patent titled "A Mechanism to conserve water and prevent infectious pathogens"

Pooja S the students of 1st year Mechanical Engineering is recognized as STUDENT AMBASSADOR of Global Online Certification Course on Social Network Analysis & its Applications organized and conducted by National Institute of Industrial Engineering, Mumbai (India).

Venkat Kowsik K and Sidaarth Thaakoore G the students of 3rd

year Mechanical Engineering have presented a paper titled "PCM Incorporated with Nano Particle as Thermostat Materials for Cooling IC Engines in the Second National Conference on Sustainable Energy Resources for Thermal Systems [SERTS 2022] organized by Sri Sivasubramaniya Nadar College of Engineering.

More than 65 students have participated in various internship, in plant training programmes at leading core companies from 01.01.2022 to 30.06.2022.

More than 25 students have participated in various courses, lectures and technical events from 01.01.2022 to 30.06.2022.

Faculty Publications

G. Rameshkannan & S. Ramesh Babu, "Effect of Alkalization on Physical, Chemical, Morphological and Mechanical Properties of Aerial Root Ficus Amplissima Fibre", Journal of Natural Fibers <https://doi.org/10.1080/15440478.2022.2051671>, 2022.

T.S.Senthil, M.Puviyarasan, S.Ramesh Babu, S.Senthil, "Mechanical characterization of wire arc additive manufactured and cast Inconel 825: A comparative study", Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2022.04.096>, 2022.

R. Murugan, G. Gnanakumar, G. Rupesh, Stephen Paul Samson, S Gopinath, "Effect of fiber layering arrangement on mechanical and wear properties of flax/sisal hybrid composite laminates", Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2022.03.668>, 2022.

N Aravindhan, MP Natarajan, S Ponnuvel, PK Devan, "Performance Analysis of Shrouded Invelox Wind Collector in the Built Environment", Science and Technology for the Built Environment, <https://doi.org/10.1080/23744731.2022.2048595>, 2022.

N Aravindhan, MP Natarajan, S Ponnuvel, PK Devan, "Recent developments and issues of small-scale wind turbines in urban residential buildings- A review", Energy & Environment, <https://doi.org/10.1177/0958305X221084038>, 2022.

R.Senthilkumar, M.P.Natarajan, S.Ponnuvel, Ravishankar Sathyamurthy, "Mechanical and visco elastic analysis of Sal tree gum incorporated epoxy bio composite", Journal of Materials Research and Technology, Vol.17, Page 819-827.

Raja.S, D.Eashwar, Natarajan.S, Abdulkadir Madraswala, C.M.Bharath Babu, Masilamany Santha Alphin Manigandan.S, "Biochar supported manganese-based catalyst for low-temperature selective catalytic reduction of nitric oxide", Clean Technologies and Environmental Policy, <https://doi.org/10.1007/s10098-022-02274-5>, 2022.

Raja.S, M.Sunilkumar, Natarajan.S, D.Eashwar, Masilamany Santha Alphin, "Energy and exergy analysis and multi-objective optimization of a biodiesel fueled direct ignition engine", Results in Chemistry, <https://doi.org/10.1016/j.rechem.2022.100284>, 2022.

Expert Lectures

Mr. G.Ajitha Prabu, Director, Kriatec Services Private Limited, delivered a Guest Lecture on “Employability skill sets required in core industries” on 25 May 2022.



Mr V Vaidyasubramaniam, LUPEC project, delivered a Guest Lecture on Recent trends on Piping material /corrosion, on 23 April 2022.



Mr.Murali Karthikeyan, Head - Academics (GATE), T.I.M.E Education Chennai Private, delivered a Guest Lecture on Best Career Options in Current Economic Scenario (GATE 2023), on 02 June 2022.



Events Organised

Dr M Mohandass, Associate Professor & Mr M Arulkumar, Assistant Professor Organized Two Day Workshop on “Arduino

Programming for Mechanical Engineering” on 28 April 2022 to 29 April 2022 at SVCE.

Dr M Mohandass, Associate Professor, Mr A Kumaraswamy, Assistant Professor & Organized Five Day FDP on “Operation and Programming of Industrial Robot” on 23 May 2022 to 27 May 2022 at SVCE.

Dr S Ilaiyavel, Associate Professor, Mr V Senthilvelan, Assistant Professor, Mr V Senthilvelan, Assistant Professor, & Mr M Nishal Assistant Professor Organized Three days workshop on “Geometric Dimension & Tolerance” on 06 June 2022 to 08 June 2022 at SVCE.



Industry Training Attended

Dr. M Gajendiran, Assistant Professor attended industrial training on “Delphi TVS” from 07 march 2022 to 12 march 2022 30 July 2022, at Delphi TVS, Oragadam.

Mr A Kumaraswamy, Assistant Professor attended industrial training on “Delphi TVS” from 07 march 2022 to 12 march 2022 30 July 2022, at Delphi TVS, Oragadam.

Mr G Kirubakaran, Assistant Professor attended industrial training on “Delphi TVS” from 07 march 2022 to 12 march 2022 30 July 2022, at Delphi TVS, Oragadam.



Department of Applied Chemistry

Workshops/FDPs/Conferences Participated

Dr.S.Stanly Participated in a Workshop on “Disaster Awareness and management Training” organized by Sri Sathya Sai Seva Organization on 21st May, 2022 at SVCE.

G.Baskar acted as Mentor and the students of Chemical Engineering presented the topic “A review on the derivatives and

synthetic methods of 2,6-diaryl piperidin-4-ones” in a National Level Conference on Technological Innovation in Chemical Engineering Towards Sustainability, Sri Venkateswara College of Engineering, during 27 th and 28th May 2022.

Dr.T.Balusamy and Dr.G.Devasagayam acted as Mentors and the students of Chemical Engineering presented the topic “Corrosion Resistance of Boronized Carbon Steel: Influence of Surface

Mechanical Attrition Treatment” National level Conference on Technological Innovations in Chemical Engineering towards Sustainability (TIChSCON’22) organized by Department of Chemical Engineering in association with IChE & AIChE - SVCE Student Chapter, during 27 th and 28th May 2022.

Dr.T.Balusamy participated in Six Day Faculty Development Program on “Green Chemistry For Sustainable Development” organized by SRMIST, Chennai during May, 16th - 21st 2022.

Dr.T.Balusamy participated in one week FDP on “ICT tools for effective teaching and learning” organized by Amar Sewa Mandals Kamala Nehru Magavidyalaya, Nagpur, Maharashtra during May, 23rd -28th 2022.

Dr.T.Balusamy and Dr.G.Devasagayam acted as Mentors and the students of Biotechnology presented the topic “Corrosion Behavior of Ti based alloys for Bio-implant Applications: Role of surface mechanical attrition treatment – An Overview” in Corrosion Awareness Day 2022, organized by National Corrosion Council of India and CSIR-Central Electrochemical Research Institute, Karaikudi, 21st April 2022. The students received Best Paper Award – First Prize (Rs.5000.00).

Dr.S.Ananda Babu, Dr.S.Anandhavelu & Dr.G.Devasagayam acted as Mentor and the Ph.D. scholar, presented the topic “Cerium oxide impregnated keratin based biomembrane for wound healing applications. Second” in an International Conference on Advances in Chemistry with Specific Reference to Catalysis, Sensors, Drug Delivery and Energy Materials.(ICACSEM- 2022)University of Madras, Guindy Campus, 28th and 29th March 2022.

Dr.S.Ananda Babu participated in “Five Days Faculty Development Programme on Scientific Tools for Start-ups” organized by RUSA 2.0, Entrepreneurship & Career Hub, University of Madras during 8th – 12th March 2022.

Dr.T.Balusamy presented “Predicting Corrosion rate of Surface Modified Stainless Steel Using Artificial Intelligence”, Surface Engineering of Bio Materials-Bio-materials Online Conclave 2022 organized by National Centre for Nano Science and Nano Technology, Society for Biomaterials & Artificial Organs (India), Society for Tissue Engineering & Regenerative Medicine (India) and NACE International Gateway India Section (NIGIS) during 7-15th March, 2022.

Dr.S.Stanly participated in the six day online Faculty Development Programme on “Applied Thermodynamics for Engineers” organized by Department of Automobile Engineering, SVCE from 31.03.2022.

Dr.S.Anandhavelu acted as Mentor and his Ph.D. student presented the topic “Bioinspired antibiotic loaded chitosan-agar-gelatin based biopolymeric films for wound healing applications”,

2nd International Conference on Advances in Chemistry with specific reference to catalysis, sensors, drug delivery, energy materials and anti-cancer studies (ICACSEM-2022), University of Madras, March 2022.

Dr.T.Balusamy acted as Mentor and the students of Chemical Engineering presented the topic “Predicting Corrosion Rate Of Surface Modified Stainless Steel Using Artificial Intelligence was presented in Surface Engineering of Bio Materials-Bio-materials Online Conclave 2022”, organized by National Centre for Nano Science and Nano Technology, Society for Biomaterials & Artificial Organs (India), Society for Tissue Engineering & Regenerative Medicine (India) and NACE International Gateway India Section (NIGIS) during 7-15th March, 2022.

Dr.T.Balusamy presented “Influence of Post Polishing on Passivation Behaviour of AISI 304 Stainless Steel Subjected to Surface Mechanical Attrition Treatment” in 6th International Conference on Recent Advances in Material Chemistry, (ICRAMC – 2022) organized by Department of Chemistry, SRM Institute of Science and Technology Kattankulathur, India and In association with Alternative Energies and Atomic Energy Commission (CEA) CSIR India & Universite Gustave Eiffel, France during February 17 – 19, 2022.

Dr.S.Stanly Participated and presented a paper with my scholar Dr. K Thenmozhi in ‘Indo-Norwegian International online conference on ‘Functional Materials for Energy, Environment and Biomedical Applications’ conducted on 02-04 February 2022 by School of Chemistry, Madurai Kamaraj University collaborated with University of Oslo, Norway.

Faculty Publications

P.Ramu, S.P.Vimal, P.Suresh, Anandhavelu Sanmugam, U.Saravanakumar, Raju Suresh Kumar, Abdulrahman I. Almansur, Natarajan Arumugam and Dhanasekaran Vikraman, RSC Advances, 12, 15575-15583 (2022). IF : 4.0

Nagaraj Jayapal, Chandrasekar Palanisamy and Anandhavelu Sanmugam, An investigation of flexural and compressive strengths of fly ash coarse aggregate concrete beams, Materials Express, 12, 1– 11 (2022). IF : 1.65

Dr.T.Balusamy published a Book Chapter in a Book titled ‘Materials Development and Processing for Biomedical Applications’, Chapter 17-Surface Nanostructuring of Ti Based Alloys for Biomedical Applications: Role of Surface Mechanical Attrition Treatment, 1st Edition, CRC Press, Taylor & Francis group, Page No: 241-254, 2022.

Department of Applied Mathematics

Funded Project

Dr R Muthucumaraswamy, Professor and Head, received second installment of Rs. 6,68,036 for his Research Project titled

“Numerical Simulation of Hall effects on moving vertical plate with heat and mass transfer”. The same received from National Board of Higher Mathematics for the Financial Year 2022-2023.

Book Chapters Published

J.Vijayarangam, S.Perumal, J.Viswanath, Inventory Queuing System Study using Simulation and Birth-Death Process, Proceedings of 2nd International Conference on Mathematical Modelling and Computational Science, Advances in Intelligent Systems and Computing, vol. 1422, Springer, Singapore.

Papers Published in Journals

Muthucumaraswamy R, et al., published a paper titled "Laplacian Tactic for the Prediction of the Temperature Components of Solar Cooker with Logical Prediction by Fuzzy Rules", Solar Energy, Solar Energy, Vol.36, pp.369-382.(SCI)

Rajaraman R, Muthucumaraswamy R, published an article titled "Numerical Simulation of Radiative and Viscous Dissipative Fluid Flow along an Oscillating Vertical Plate", Symmetry, 21.7.2022, 14(7),1488. (SCI)

Loganathan S, Thamizhsudar M and Muthucumaraswamy R , (2022 June), Effects of Hall current on MHD flow past an exponentially accelerated inclined plate in the presence of rotation, Periodico di Mineralogica, Vol.91, No.3, pp. 175-187. (Ann-I)

Stanly Felix C, Vijayarangam J, Sugumar T N, published a paper titled "Performance Analysis of an Innovative Duct-Based Automatic Forced Air Chicken Egg Incubator using Predictive Analytics", ECS Transactions, vol. 107(1), pp.7239, 2022.

S. Kalaivani, K. Sivakumar, J. Vijayarangam, published a paper titled "Statistical Modelling using Data Mining Tools in Mergers and Acquisition with regards to Manufacture & Service Sector", J. Appl. Math. & Informatics, 30.5.2022, vol. 40, pp. 563-575.

P.Sivakumar, Dr.R.Muthucumaraswamy, Professor and Head, published a paper titled "Radiation Effects on Parabolic Flow past an Infinite Isothermal Vertical Plate With Exponentially Accelerated Mass Diffusion and Chemical Reaction", GIS Science Journal, vol.9, Issue 1,pp.167-177, January 2022.

Dr.B.Saravanan, Savari Prabhu, M.Arulperumjothi, K.Julietraja & Muhammad Kamran Siddiqui (2022), Molecular Structural Characterization of Supercorenene and Triangle-Shaped Discotic Graphene, Polycyclic Aromatic Compounds, <https://doi.org/10.1080/10406638.2022.2039224>

Dr.R.Suresh, M.Syed Ali & Sumit Saroha, published a paper titled " Global Exponential Stability of memristor based uncertain neural networks with time-varying delays via Lagrange sense, Journal of Experimental and Theoretical Artificial Intelligence, Taylor & Francis, February,2022, doi:10.1080/0952813X .2021.1960632.

Gayathri V, Muthucumaraswamy R, Prabhu S and Farahani M R, Omega, Theta, PI, Sadhana Polynomials, and subsequent indices of convex Benenoid System, Computational and Theoretical Chemistry, 2022.(SCI)

Papers accepted for Publication

Sundar Raj M, Nagarajan R, Muthucumaraswamy R (2022), The influences of thermal expansion on flow past an inclined accelerated sectional plate with persistent mass diffusion, International Journal of Applied Mechanics and Engineering (accepted)

Papers Presented in Conferences

Gayathri V, Prabhu S and Muthucumaraswamy R, published a paper titled "On Certain Counting Polynomials of Cycloparaphenylenes", International Conference on Recent Strategies in Mathematics and Statistics (ICRSMS 2020), organized by Dept. of Mathematics, Stella Mary's College in collaboration with Dept. of Mathematics IITM ,19.3.2022 to 21.3.2022.

Mr.P.K.Sudhakar, Full-Time Research Scholar, Research Centre, Dept. of Applied Mathematics, presented a paper titled "Mathematical Model of Time Study to Determine the Task Time, Process Capacity and Production Target in the Upper Shoe Sequence Dependent and Scheduling in the Footwear Manufacturing Using R Language", co-authored by Dr.R.Muthucumaraswamy, Professor and Head, at Fourth International Conference on Advances in Industrial Engineering Applications, Department of Industrial Engineering, Anna University, Chennai, 2.6.2022 to 4.6.2022.

Vijayarangam J, S.Perumal & J.Viswanath, published a paper titled "Inventory Queuing System Study using Simulation and Birth-Death Process", Proceedings of 2nd International Conference on Mathematical Modelling and Computational Science, Advances in Intelligent Systems and Computing, 29.6.2022. vol.142

Conference/Seminar/FDP/STTP attended:

Ms.Visalakshi Subramanian, AP, APM, participated one day FDP on "Applications of Graph Theory in Computer Science" at Rajalakshmi Engineering College on 9.03.2022.

Dr.R.Umadevi, AP, APM, attended an online FDP on "Mathematics and its Applications" organized by PG & Research Department of Mathematics, V.O. Chidambaram College, Thoothukudi from 23.3.2022 to 30.3.2022.

Dr.A.Subbu alias Suba, AP, APM, completed one week online FDP on "National Education Policy 2020", organized by Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, from 28.3.2022 to 3.4.2022.

Dr.B.Saravanan, AP, APM , attended Innovation Ambassador Training (Advanced Level) through online mode from 1.6.2022 to 31.7.2022.

Dr.A.R.Vijayalakshmi, Assistant Professor, attended a two day online workshop on "An Insight into Mathematical Modelling in

Information and Communication Engineering- Version 2,2022
Organised by Department of Computer Science & Engineering
and Mathematics, SSN, Chennai during Jan.27-28,2022.

Expert Lectures delivered in other colleges

Dr.R.Muthucumaraswamy, Professor and Head, gave an invited talk on "Beta and Gamma Functions & Multiple Integrals" in Webinar Series 2- on Basic Sciences, R.M.K. Engineering College, Chennai on 28.01.2022.

Dr.R.Muthucumaraswamy, Professor and Head, is invited as a Resource Person for a Webinar on "Engineering and Mathematics: An Intrinsic Integration", R.M.K.College of Engineering and Technology, 17.01.2022.

Dr.B. Saravanan, AP, APM, Innovation Ambassador, IIC SVCE, delivered an invited talk on "Achieving Problem Solution for FIT and Product Market FIT", organized by Institution Innovation Council, SMK FOMRA Institute of Technology, Chennai on 07.03.2022.

Dr.J.Vijayarangam, AP, APM, delivered an invited talk on "Operations Research and its Model and Real Life Applications" in a webinar organized by Alpha Arts and Science College, Chennai on 11.05.2022.

Any other major events / activities / achievements

Mr.Meiyanathan, Ms.G.Devi, Assistant Professor, Sri Sairam Engineering College have enrolled for part-time Ph.D under the guidance of Dr.R.Suresh, Assistant Professor through the Research Cell, Dept. of Mathematics, SVCE.

The SVCE Science Club organized a virtual event "Sparring For Science", on 25.01.2022 for which Dr.R.Muthucumaraswamy, Professor and Head is the Advisor and Ms.Visalakshi Subramanian, Assistant Professor is one of the joint co-ordinators.

SVCE Science Club organized a guest lecture on "Scientific Advancements in Engineering & Technology" to commemorate National Science Day-2022 on 28.02.2022. Dr.R.Muthucumaraswamy, Professor and Head is the Advisor and Ms.Visalakshi Subramanian, Assistant Professor is one of the joint co-ordinators.

The special annual camp of NSS units of SVCE, for the academic year (2021-2022) was successfully completed by Dr.R. Umadevi (Programme Officer) at "Irungattukotai and Parthipattu Village", Sriperumbudur TK from 21.02.2022 to 27. 02.2022 for a period of seven days (7 hours per day). The camp encompassed a day full of various social and service activities.

Dr.B.Saravanan, Innovation Ambassador, IIC SVCE, gave a orientation session on "Achieving Problem Solution FIT and Product Market FIT, organised by Institution Innovation Council, SVCE, 24.02.2022.

The SVCE Science Club organized a rapid fire event "Whiz for Erudites", on 22.02.2022 for which Dr.R.Muthucumaraswamy, Professor and Head is the Advisor and Ms.Visalakshi Subramanian, Assistant Professor is one of the joint co-ordinators.

No. of Papers reviewed for Conference and Journals:

Dr.R.Muthucumaraswamy, Professor and Head, reviewed a paper titled "Quaternions Algebra by Using Brackets of Complex Numbers" for Asian Journal of Pure and Applied Mathematics, January 2022.

Dr.R.Muthucumaraswamy, Professor and Head, reviewed a paper titled "Estimation of Dynamic Viscosity for Cobalt Oxide/Glycol Nano fluid", Chemical Science International Journal, January 2022.

Dr R Muthucumaraswamy Reviewed 16 research papers for International/National journals and conferences
Impact of Inclined magnetic force on Bio-fluid in Permeable Bifurcated Arteries: Analytical Approach, Journal of Nanofluids, March 2022.

MHD flow past a vertical plate of Casson fluid with heat and mass transfer effects, South East Asian Journal of Mathematics and Mathematical Sciences, March 2022.

Effects of Temperature Dependent Viscosity and thermal Conductivity of a Micro polar fluid over a stretching surface with radiation, Calcutta Mathematical Society, March 2022.

Equal and odd values of Generalized Euler Functions, Journal of Advance in Mathematics and Computer Science, 28th March 2022.

Automation in Enterprise Resource Planning (ERP) for excellence in Higher Education, IEEE-International Conference on Computer Science and Applications, GIET University, Odisha, April 2022

Brain Tumor Detection Using Deep Learning in Medical Image Analysis, IEEE-International Conference on Computer Science and Applications, GIET University, Odisha, April 2022

LEAFLET PATHOGENS PRUNING (LPPr) – A Novel Segmentation Algorithm in Detecting Jasmine Plant Diseases through Leaf images IEEE-International Conference on Computer Science and Applications, GIET University, Odisha, April 2022.

Validation of an Information Diffusion based Health Social Media on Yoga and Ayurveda, IEEE-International Conference on Computer Science and Applications, GIET University, Odisha, April 2022

Students' Grading system by Fuzzy approach, IEEE-International Conference on Computer Science and Applications, GIET University, Odisha, April 2022

Numerical experiments of subsonic jet flow simulations using RANS with OpenFOAM, Open Journal of Fluid Dynamics, May 2022.

Effect of Williamson parameter on Cu-water Williamson Nanofluid over a vertical plate, International Communications in Heat and Mass Transfer, June 2022.

Approximation results for solution of Stochastic hard soft

constrained convex feasibility problem, Asian Journal of Mathematics and Computer Research, June 2022.

Video Lectures prepared for Centre for Faculty Development, Anna University

Dr R Muthucumaraswamy, Professor and Head, prepared 7 Video Lectures for Affiliated Colleges under Anna University and the videos are captured in CFD, Anna University

Mathematics-I : Functions of Several Variables (UNIT-III- 7 Videos) He is also reviewed 12 video lectures (Multiple Integrals and Interpolation) for Centre for Faculty Development, Anna University, Chennai.

Editorial and Review Board Member

Dr.R.Muthucumaraswamy, Professor and Head, is selected as an Editor and Reviewer for Mathematics Board, International Research Journal in Global Engineering and Sciences(IRJGES), ISSN: 2456-172X.

Dr.R.Muthucumaraswamy, Professor and Head, is selected as an Editor and Reviewer for Mathematics Board, International Journal on Recent Researches in Sciences, Engineering & Technology (JRRSET), ISSN(online): 2348-3105, ISSN(print):2347-6729.

Department of Humanities and Social Sciences

Workshops/FDPs/Conferences Participated:

Dr. Amutha Charu Sheela C Assistant Professor attended three SEMINARS. " International Continuing Education Programme on Forensic Linguistics, Language, Law and Society organized by Department of Humanities and Social Sciences, IIT Patna from 22nd January to 28th January 2022, a nineteen-day online seminar on " Folklore Studies in Digital Age "organized by Centre for Language, Translation and Cultural Studies, School of Humanities, Netaji Subhas Open University from 5th to 24th March 2022 and an Seminar on "International Training Programme on "Text and Context in Translation" organized by Department of Humanities and Social Sciences, NIT Trichy, Thiruvavur from 18th to 23th July 2022, a conference on " Two Day International Conference on " Mirror of Life : Representations of History,Culture and Environment in Literature" organized by St Xaviers College, Palayamkottai from 6th and 7th May 2022.

Ms. Annamalar, Assistant Professor attended an FDP on "Innovation Ambassador Training Foundation Level" organized by MoE's Innovation Cell and AICTE and a workshop on Short Term course on "Vertical Integration Course for Trainers " organized by Hindustan Institute of Maritime Training, Ministry of Waterways, Govt. of India on 13n June to 23rd June 2022.

Mr.Shrihari S Assistant Professor attended "National Webinar on Stimulating Language Acquisition, Critical abilities and literary competence through the aesthetics and creativity of poetry: Pedagogic motivations and directions" organized by Elt@i on 13n February 2022.

Mr. Bharathikumar S Assistant Professor attended three webinars titled, under Elt@i list of webinars titled " Stimulating Language

Acquisition, Critical abilities and literary competence through the aesthetics and creativity of poetry: Pedagogic motivations and directions " on 13th February 2022, National Webinar on "English as e-language" on 6th February 2022, National Webinar on "The art and science of Storytelling" on 16th January 2022, an online English quiz organized by Rajalakshmi Institute of Technology, Chennai on 25th April 2022.

Faculty Publications

Dr. Amutha Charu Sheela C, Assistant Professor contributed a chapter titled "Tracing Transcultural Memories in M.G. Vassanji's Elvis Raja" to a book titled " English Language, Literature and Culture in Digital Age on 1st april 2022 Ed by Patchainayagi, Venkataraman and Vijayalakshmi VIT – Chennai and published by Shanlax Publications, Madurai (ISBN 97893-94899-15-5)

Dr M V Iyuswariya Lakshmi has Published a paper titled "Factors that Influence the Teaching - Learning Process in English Language Classes in Government High Schools of Thiruvallur District: An Exploratory study" in Modern Journal of Studies in English Language Teaching and Literature (International), in Volume 4, Issue 1, June 2022 (ISSN No: 2718-9708).

Expert Lectures

T Murugavel, Professor and Head was invited to conduct a webinar for Income Tax Officers/officials of Kerala, Tamilnadu & Puducherry Regions on "Gender Sensitization" on 25/08/2022 from 11 am to 01.00 pm, organized by the National Academy of Direct Taxes Regional Campus, Chennai.

Co-Curricular Activities

Department of Physical Education



Mr. S. Gowtham from IInd year B.Tech/INT represented Tamilnadu Fistball Team and the team won the Runners up trophy in the South Zone National Fistball Championship held at Bangalore from 18th to 20th March 2022, also he participated and bagged winners up trophy in 6th Senior National Fistball Championship held at Hyderabad between 1st and 3rd June 2022.

He received the Best Player Award in the same tournament. Thiru.

Siva. V. Meyyanathan, Minister of Youth Welfare and Sports Development, Tamil Nadu felicitated the team of 6th Senior National Fistball Championship winners on 05.06.2022.



Mr.N Muthu selvam IInd year Mechanical student participated in the 41th NTPC Senior National Archery Championship held at Jammu from 21st to 27th March 2022.



Dr.A C Muthiah Rolling Trophy in Cricket and SVCE Trophy in Basketball(M&W),Football(M) and Volleyball(M) from 25th April To 02nd May 2022 in our college premises. The tournament was inaugurated by Dr.M.Sivanandham-Secretary(SVCE) and Dr.S.Ganesh Vaidyanathan-Principal on 25th April 2022 at 9.30am.



Dr.ACM Cricket Trophy 2022 valedictory function was held on 02nd May 2022.Dr.S GaneshVaidyanathan- Principal distributed the Medals ,Trophies and cash award to the winners and Runners.Our College bagged Third position in the same tournament.



Mr Akash Dev Kumar of 1st year B.Tech, Information Technology student has been selected to play Nellai Royal Kings Cricket team,one of the team in Tamilnadu Premier League , which is to be held from June 23rd to July 31st 2022.



Our college Basketball team bagged the Runners up Trophy in the SVCE Rolling Trophy.



Intramural events were conducted for Men and Women category on 31st May and 01st June 2022(Track and Field events) in our college ground.



Our college sports day was celebrated on 8th June 2022. Dr.M SUNDAR- Vice Chancellor, Tamil Nadu Physical Education and Sports University Presided over the function and distributed the prizes.

Individual championship - 2022



C. LUCAN RONALD IV MR



**R.L.GOKUL PRIYA IV EEE
A GOKULAPRIYA I ECE**

Outstanding sports person awards 2022



G.GOKUL IV/INT



R. L.GOKUL PRIYA IV EEE

CARE – The Eco Club

The volunteers of CARE, and the Eco Club of the College have surveyed and documented the trees of the campus. In total, the Campus has 1506 trees consisting of 63 species. Mr. C.Rohit, a First-year student of ECE created the QR Code for each species on the Campus. When people scan the code it takes them to a page that gives the scientific, common, and Tamil names of the Species and a very brief description of the tree. This QR Code is not nailed on to the tree but placed on a display board, close to the tree, for people to scan and get information about the species.

‘The students are motivated to use technology to find solutions for societal and environmental problems. Most importantly, this stand that holds the code is made using obsolete items, as the campus promotes ‘sustainable practices.’ said the Principal of the College.

Though, the college had planted exotic trees in the beginning to create a microclimate now these are replaced by native tree species like Walsura, Blackboard tree, Indian ash tree, Kadamba.

SVCE documents tree species on campus, creates QR code



Chennai, Aug 1: The members of CARE - the Eco Club of SVCE - Sri Venkateswara College of Engineering, Sriperumbudur, have documented the tree species on the Campus and also created a QR Code for each species.

Rohit, a first-year student of ECE created this code which on scanning will give information like the tree's common, scientific

and Tamil names, its distinguishing features, and images. The structure which supports the code is also made out of the recycled materials collected from the campus. The Principal stated that “students are encouraged to apply the technology that they learn to find solutions for environmental and societal issues and make positive change. The College is a ‘sustainable campus’ where the eco club already has created microhabitats like ‘butterfly garden’ which has won a Handprint Challenge conducted by the South Asia Youth Environment Network (SAYEN).” The Campus has more than 1,400 trees comprising 63 different species.

Events Organised:

HIGHWAYS'22- MUSIC EVENTS REPORT

The Music Club of SVCE in association with the Student Council organised music events as a part of the HIGHWAYS'22- the Annual three-day intercollegiate cultural event. The music events took place on Day 1 (5th May 2022). There were four music events which included Rising- The battle of bands, Pulse- solo instrumental, Solo Vocals and Rap n Beatbox showcase.

List of Judges for the events:

1. Mr. Gowtham - Keyboardist
2. Mr. Rupendar - Sound engineer and bassist currently working with Music Director Santhosh Narayanan
3. Mr. Akkarsh Kashyap- Violinist
4. Mr. Anirudh Subramaniam - Carnatic musician and performer
5. Ms. Subhashini- Writer, Singer
6. Mr. Devesh - MC, Rapper
7. Mr. Rohith : Beatboxer, Colossal 4.0 winner

Rising – The battle of bands and Pulse- solo instrumental were conducted at the Multipurpose Hall. Battle of Bands had a participation of total 6 bands from various colleges and the event was judged by Mr. Gowtham and Mr. Rupendar. It was followed by Pulse- solo instrumental which had around 13 participants who were judged by Mr. Akkarsh Kashyap.

Simultaneously, Rap n Beatbox and Solo Vocals were conducted at the Open Air Theatre. Rap n Beatbox had a total of 13 participants and was judged by Mr. Devesh and Mr. Rohith. This was followed by the Solo Vocals event which had 28 participants from various colleges and was judged by Mr. Anirudh Subramaniam and Ms. Subhashini.

Winners of Music Events - Highways'22

RISING – THE BATTLE OF BANDS – PRIZE POOL OF Rs. 21,000

- 1st Place was bagged by the team 120Db from SSN College of Engineering led by Mr. Plakeel Kurian John.
- 2nd place was won by the team illizitfrom St. Joseph's institute of technology led by Mr. Kevin Ignatius Philip

SOLO VOCALS – PRIZE POOL OF Rs.3,000

- 1st Place was won by Mr. KR Pradap Pandya Kumaran from Saveetha medical college and hospital.
- 2nd Place was bagged by Ms. HSJ Sahana from SSN College of Engineering.
- 3rd Place won by Mr. Yogesh SajithKumar from Crescent Institute of Technology.

PULSE - SOLO INSTRUMENTAL – PRIZE POOL OF Rs.3,000

- 1st Place was won by Mr. T.R. Nikhil from SSN College of Engineering
- 2nd place was won by Mr. Prasanna Srinevash B from Crescent Institute of Technology
- 3rd Place was won by Mr. Vishnuvardhan M from SRM Easwari engineering college

RAP N BEATBOX – PRIZE POOL OF Rs.3,000

- 1st Place was won by Mr. Sooma a.k.a mc_stone from Vels University Pallavaram (vistas).
- 2nd Place was bagged by Mr. Vaibhav Narayanan from Guru Nanak College
- 3rd Place was won by Mr. Giridhara prasad from University of Madras.



Team 120Db from SSN College of Engineering won the 1st Place in the Rising – The Battle of Bands.



Mr. Prasanna Srinevash B from Crescent Institute of Technology performing at the Pulse – Solo Instrumental event.



Mr. Venkat Sri from SVCE performing his beatbox piece at the Rap and Beatbox event.



Ms. Swathi Baskaran from Rajalakshmi Engineering College performing at the Solo Vocals event

NATIONAL CADET CORPS (Army)

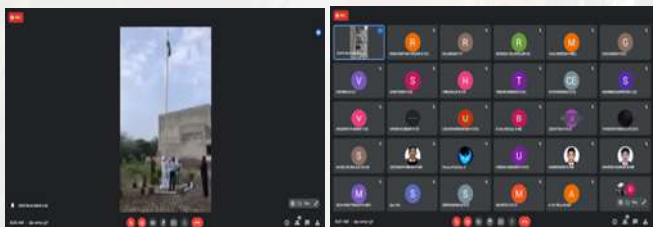
1. SWACHH BHARATH

The cadets divided into teams and collected the garbage and non-biodegradable waste inside the College Campus and dumped them into the dustbin. 14 cadets of NCC (Army) SVCE and 1 ANO participated in the program.



2. REPUBLIC DAY CELEBRATIONS – 2022

Prof. Dr. S. Ganesh Vaidyanathan, Principal, SVCE, Lt. Dr. M. Anandan, ANO Capt. Dr. A. Bhaskaran, Dr. V. Rajaram, Air Wing Care Taker participated in the program. 28 cadets of NCC Army Wing and 15 cadets of NCC Air Wing participated in the program virtually.



3. THE 25th YOUTH NATIONAL FESTIVAL

The Honourable Prime Minister, Shri. Narendra Modi inaugurated the Perunthalaivar Kamarajar Manimandapam through video conference. They presented a video on the facilities of the Perunthalaivar Kamaraja Manimandapam. 44 cadets of NCC (Army) SVCE and 1 ANO participated in the program.

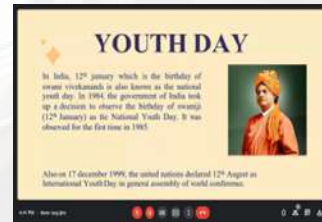
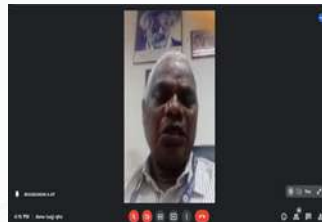


4. NATIONAL YOUTH FESTIVAL – 2022

ANO Capt. Dr. A. Bhaskaran shared his thoughts on Swami Vivekananda and Youth Day. Then Cdt. R. Gokula Krishnan started the webinar. He discussed various topics like Youth Day, Role of Youth, Youth Responsibilities, National Youth Policy, Its Objectives and Thrust areas.

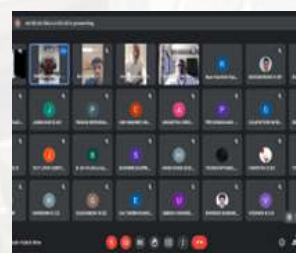
Music club - Contribution to College day Celebrations:

The Music club members, B.Sahana from I year CSE, R.C.Ananya and S.Subasree from II year BT sang the Prayer song and the National Anthem for the college day function held on 10th June 2022.



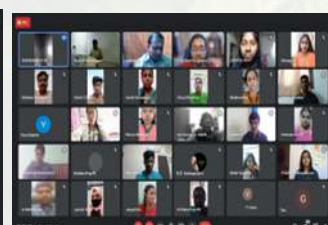
5. NATIONAL VOTERS DAY 2022

ANO Capt. Dr. A. Bhaskaran invited the chief guest Mr. A. Sudhakar M.A, Deputy Tahsildar (Election), Sriperumbudur. Then the chief guest discussed about the importance of voting. 25 cadets of NCC (Army) SVCE and 1 ANO participated in the program.



6. YUVA SHAKTHI'S ONLINE YOUTH EMPOWERMENT PROGRAM

Online Youth Empowerment Program was organized by "Yuva Shakthi Youth Welfare Association. The Evolution and challenges in our constitution were discussed. 11 cadets of NCC Army Wing participated in the program



7. DAY CADRE CAMP - 2022

CO Col. Jobee Philip, 1 (TN) CTC NCC inaugurated the camp conducted at SVCE. Prof. Dr. S. Ganesh Vaidyanathan, explained about the Importance of NCC. 19 cadets of NCC (Army) SVCE and 1 ANO participated in the camp.



8. POLIO VACCINATION CAMP FEBRUARY 2022

Polio vaccination camp was organised under the guidance of ANO Capt. Dr. A. Bhaskaran. 11 cadets of NCC (Army) SVCE in the camp and vaccinated the children below 5 years who are travelling through Toll Booth near SVCE.



9. TRB EXAMINATIONS – 2022

The TRB Examinations was held at SVCE in both morning and afternoon shift. Mr. R. Subramanian, District Inspecting Officer and Mr. D. Muthu, Spl. Tahsildar (Land Acquisition), Sriperumbudur inspected the examination centre. The cadets of NCC (Army) SVCE volunteered in the examination.



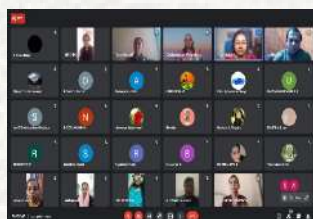
10. PRINCIPLES AND SCOPE OF SURVEYING

Mr. R. Subramanian, District Inspecting Officer shared his thoughts on How to survey a land. Later Mr. D. Muthu, Spl. Tahsildar, Sriperumbudur explained about the Wet land, Dry land. 5 cadets of NCC (Army) SVCE, 10 students of SVCE and 1 ANO participated in the program.



11. YUVA SHAKTHI'S ONLINE YOUTH EMPOWERMENT PROGRAM

“Online Youth Empowerment Program” was organized by “Yuva Shakthi Youth Welfare Association”. Mrs. Chidambaram Meenakshe discussed about the Power of Panchayats. 7 cadets of NCC (Army) SVCE and 1 ANO participated in the program



12. FIRING CAMP

“Firing Camp” was held at Adhiparasakthi Engineering College, Melmaruvathur. The cadets were instructed about the firing positions and techniques. 16 cadets of NCC (Army) SVCE and 1 ANO participated in this camp.



13. THE GROWTH MONITORING CAMPAIGN

The Cadets went to Vallakottai and took a survey on details of children below the age of 5 with the help of Government Organizers. 9 cadets of NCC (Army) SVCE and 1 ANO participated in the program.



14. YUVA SHAKTHI'S ONLINE YOUNG MARTYR'S COMMEMORATION PROGRAM

“Yuva Shakthi's Online Young Martyr's Commemoration Program” was organised by “Yuva Shakthi Youth Welfare Association”. Around 10 of NCC (Army) SVCE and 1 ANO participated in the program.



15. B - CERTIFICATE EXAMINATION 2022

“B - Certificate Examination” was held at Anna University, Guindy. Around 9 cadets of Sri Venkateswara College of Engineering and 55 cadets of Anna University, Jeppiaar Institute of Technology and Adhiparasakthi Engineering College attended the examination.



16. C - CERTIFICATE EXAMINATION 2022

“C - Certificate Examination” was held at Hindu College, Pattabiram. Around 10 cadets of NCC SVCE and 310 cadets of Madras B Group attended in examination for duration of two days.



17. YUVA SHAKTHI'S ONLINE YOUTH EMPOWERMENT PROGRAM

“Yuva Shakthi's Online Youth Empowerment Program” was organised by “Yuva Shakthi Youth Welfare Association”. Mrs. E. Menaka Thilakarajan shared her thoughts on Traditional Healthy Foods. 11 cadets of of NCC (Army) SVCE and 1 ANO participated in the program.



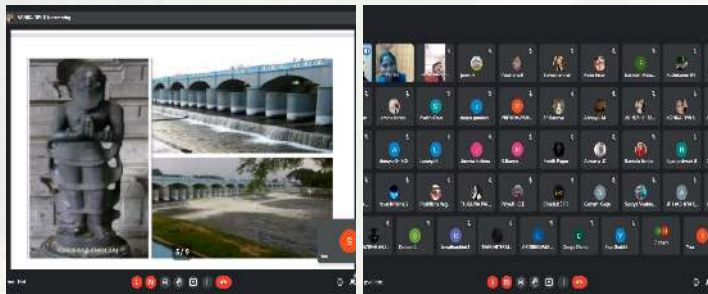
18. YUVA SHAKTHI'S YOUTH EMPOWERMENT PROGRAM

Debate on “Theruvengum Tamil Saathiyame / Saathiyamatttradhe” were performed. 4 cadets of NCC (Army) SVCE and 1 ANO participated in the program.



19. YUVA SHAKTHI'S ONLINE YOUTH EMPOWERMENT PROGRAM

The various scholarship schemes taken by the Government of India and the facts behind the Brihadeeswarar Temple – Tanjore were explained. 9 of NCC (Army) SVCE and 1 ANO participated in the program.



20. DRUG DESTROYS LIFE

A seminar on “Drug Destroys Life” in the view of “Anti-Tobacco Day. Then the participants took a pledge on “Not to use Tobacco Products”. 14 cadets of NCC Army Wing, 22 cadets of NCC Air Wing, 1 ANO and 1 Care Taker SVCE participated in the program

NCC NAVY

Naval Technical Attachment Camp:

14 NCC Navy Cadets have attended Naval technical attachment camp from 29 May to 11 June 2022 in two phases. In the first phase of the camp cadets are attached to INS Valsura, Jamnagar near Gujarat, (it is an Electrical training base for the Indian Navy Officers and Sailors) and Naval Dockyard, Mumbai.



21. WORLD BICYCLE DAY

A Bicycle Rally was organised in the view of “World Bicycle Day” under the guidance of ANO Capt. Dr. A. Bhaskaran. 17 cadets of NCC Army Wing and 9 cadets of NCC Air Wing of Sri Venkateswara College of Engineering and 14 cadets of NCC Army Wing of Jeppiaar Institute of Technology participated in the rally.



22. NCC DAY CELEBRATION

The Cadets of NCC Army Wing, Air Wing and Navy Wing SVCE did Commander Salute to the Chief Guest Mr. S. Sunil, Deputy Superintendent of Police, Sriperumbudur. Prof. Dr. M. Sivanandham, Secretary, SVCE and Prof. Dr. S. Ganesh Vaidhayanathan, Principal, SVCE participated in the program. The Chief Guest distributed the prizes to the cadets who won in various competitions.



23. 8th INTERNATIONAL DAY OF YOGA

The program was inaugurated by ANO Capt. Dr. A. Bhaskaran, SVCE & Mr. S. Surendharan, Army Wing Care Taker, Saveetha School of Engineering. The yoga postures were demonstrated by Sgt. V. Vasanth Kumar. 13 cadets of NCC Army Wing and 1 ANO of Sri Venkateswara College of Engineering, 17 cadets and 1 Care Taker of Saveetha School of Engineering participated in the program.



B & C – Certificate Examinations:

Second year NCC Navy cadets have attended the B Certificate examinations and third year cadets have attended C Certificate examinations conducted under the authority of Ministry of Defense, Govt. of India.

Achievement



NSS

NSS-Programmes

Republic day celebrations

The 73rd Republic Day celebration was arranged on 26/1/2022 meticulously following the standard operating procedures issued by government and university due to COVID-19 few volunteers and PO-NSS other faculty members participated and graced the occasion.



Annual special camps - 2021-22

Annual special camps are conducted in Paruthipattu village (Unit-1) on Education, Environment awareness, cleanliness, Sanitation, Health care, and social work as objectives of camp. Similarly for the Unit-2 the same was held in Irungattukottai village from 21.22.022 to 27 .02.2022 (7days)



The polio vaccine distribution

The annual polio vaccine distribution was arranged on request from the Public Health Department District -HQ-Kancheepuram. The NSS volunteers are trained and re-distributed the vaccine to babies who pass the Toll gate on 27.02.2022 (7.00AM to 5.PM) Nearly 500children are the beneficial of the program.



The women's day celebrations

The women's day celebrations are arranged among the women student volunteers in the campus



Annual Blood donation camp

Annual Blood donation camp was arranged on 13th March 2022.The NSS volunteers are also donated the blood and volunteer the the camp



Department of RRC

Events Organised

The Red Ribbon Club of our college organized a Webinar on "Blood donation and its benefits" on 05.03.2022 in an online mode for the year 2021-2022. The programme was coordinated by the RRC coordinator Dr. G. Sudha and the RRC executive committee members of SVCE. The webinar was graced by Dr. K. S. Gowri Shankar, District Program Manager (DPM) of the District AIDS and Prevention Control Unit of Tiruvallur District.

The District Program Manager gave his vivid outline of blood donation and the procedures that one donor has to follow before donating blood. Around 50 students participated in the webinar which made the sessions very interactive and interesting as well.

He explained every step of a proper blood donation procedure in a detailed manner. He also gave insights about the right age and body condition to donate blood. During the session, the students raised their doubts regarding blood donation and he explained it clearly to them. Eventually, he gave awareness about drug abuse, and drunken driving and finished his talk with the oath stating that everyone should donate blood at least once in their life to save another life.

The Red Ribbon Club also conducted "World Health Day 2022" on 11.03.2022 in the Function hall. The programme was coordinated by the coordinator and executive committee members. The event was graced by Ms. J. Indra, District ICTC Counsellor DAPCU, Kanchipuram.



The coordinator Dr. G. Sudha gave the welcome address to all the participants present at the event. It was then followed up by AIDS awareness session given by Ms. J. Indra, District ICTC Counsellor, DAPCU, Kanchipuram.

The Counsellor gave a detailed talk about AIDS, teen pregnancy, the importance of safe sex and how to lead a life by controlling hormones. Her talk was so engaging and helpful. She also stated various scenarios that she has witnessed in real life and gave insights about how students should get to respect the opposite sex and treat everyone as a dear friend.

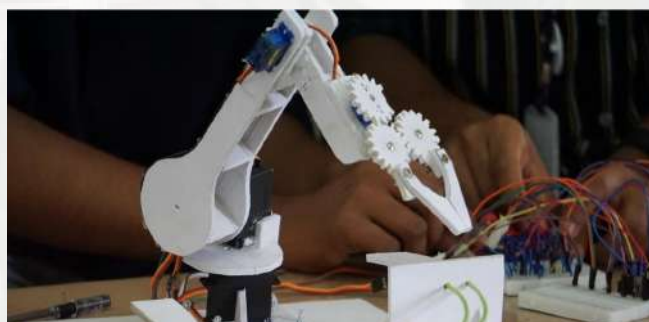
Research Cell

Office of Dean (Research)

Students' Research Day 2022

Students' Research Day (SVCE Innovates - 2022) was celebrated on 8th April 2022

Dr S P Subramaniyan, Deputy Controller of Patents and Designs, IPR, Chennai and our Vice Principal were presided over the inaugural function. More than 154 abstracts are received from all branches of Engineering and nearly 399 students are participated in the research competition. Around 25 cash prizes with certificates of Appreciation were distributed to the students of different Departments.



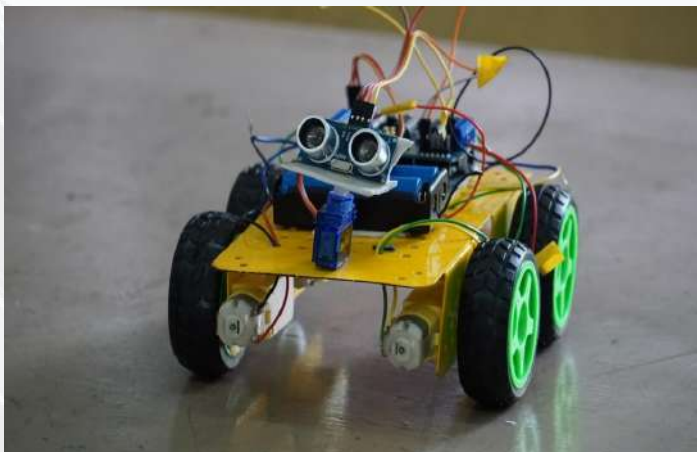
Mini Robot picking items by ECE students in Research Day 2022



Address by Chief guest for Students Research Day



Design and Implementation of Chainless drive for bicycle
By Automobile students



Moving Mini Robot for monitoring objects



Interfacing laptop with external device



Faculty Research Day (FRD-2022) was conducted on 15th June 2022. Shri N Ganesh, Scientist G, Combar Vechles Research and Development Establishment (CVRDE), Avadi, Chennai, and our Principal were presided over the inaugural function. More than 173 abstracts are received from all branches of Engineering, Science and Humanities. More than 178 researchers are participated in the paper presentation competition. Around 33 cash prizes with certificates of Appreciation were distributed to the Research scholars of 14 academic Departments.



Inaugural Function of Faculty Research Day



Audience During Inaugural Function of Faculty Research Day



Presentation by External Research Scholar in the Department of Applied Physics



Presentation by Faculty of Mechanical Engineering



Prize winner from the Department of Biotechnology

Rotaract Club

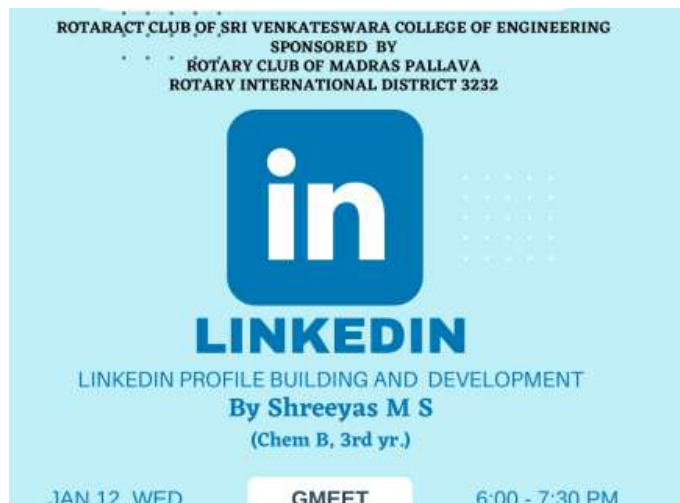
The Rotaract Club of SVCE conducted 19 events during this period. They are as follows:

Namma Veetu Pandigai



Is a Club service initiative that was held on 9th January. Over 50 participants came dressed in traditional attire and shared their anecdotes of the festival and discussed how each of them celebrates it.

LinkedIn Profile Building & Development



This Professional service event that was held on 12th January was a brainstorming session on how to build a good linkedin profile. Nearly 50 participants benefited from this session.

Design-Ated



It was a Professional Service workshop held on 13th January where over 40 participants were given hands on training on creating posters using Adobe illustrator and Canva.

Sing N Sync



It is a Club service event held on 23rd January. This virtual DJ night witnessed the everlasting bond between RAC SVCE and RAC GG with over 150 participants.

Karpom Karpipom



It is a Professional service initiative where Rotaract Clubs from six colleges joined hands to share their knowledge through a series of 13 workshops with topics ranging from photography to ethical hacking. Over 1000 participants benefited from these sessions.

This is Professional service event that was held on 24th January, where a professional soft skills trainer and resume builder addressed the audience and gave them tips on building a strong resume. Over 100 Rotaractors took part in this workshop.

Trident

It is a virtual intercollegiate fest with a Grecian Aura. The event was a joint venture of Speakers' forum of SVCE, CARE-Eco club of SVCE and Rotaract Club –SVCE. The Rotaract Club conducted the following four events held on 03rd March. RAC SVCE conducted 4 events namely,

Upskill Event



It is a Professional service event that was held on 29th January, where Rtn. Nirmala Raghavan explained to nearly 100 participants the importance and value of the Cambridge Upskill Certificate.

Gelos- A Humour Event



The participants gave a humorous touch to their speech on various topics.

Acham Thavir



It is a Community service event that was held on 6th February along the Besant Nagar Beach to create awareness on cancer. There were over 300 beneficiaries

Arachne- Spin A Yarn



The participants were given the opening lines from which they had to create their story.

Morai-Trailer Cutting

This event tested the creative side of the participants with certain limitations imposed. They had to select the genre of their choice and then create trailers



Plutus- An Investment Event



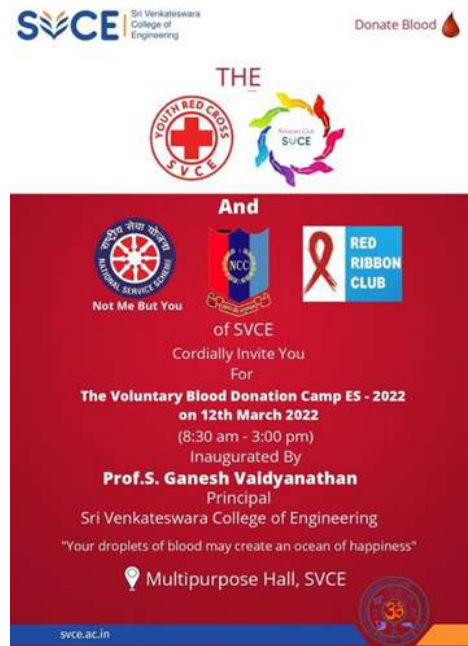
Each participant was given limited money in a simulation app and at the end of the game the player with the highest net profit was announced the winner.

Fanaa



Fanaa was a fully packed cultural for a cause held on 6th March. The funds raised were used for installing sanitary napkins dispenser in a government school. Over 1500 participants made this event a great success.

Dhaanam-Blood Donation Camp



It was a Community service event held on 12th March in which over 450 units of blood was donated by donors voluntarily.

Paatu Paada Va



This Club service event was held on 27th March. The music troop 'Mottamadi Music' performed for and along with an audience of over 200 Rotaractors.

Pristine Poseidon



This Professional service event was held on 7th April. The objective of this event was to discuss and to motivate the participants to come up with ideas to improve sanitation and protect water bodies in and around Chennai. Rtn.Ajith Nair, the chairman of Water Mission was the speaker of the day. 200 participants joined this discussion.

Little for Love



Thirty Rotaractors came together for this Community service event that took place 15th April. They visited a non-profit home called Samarpana- Home for spastics and mentally challenged people. The Rotaractors spent time with the inmates and donated old clothes, milk, fruits, vegetables and snacks.

Food Walk



This Club service event was held on 17th April where around 14 Rotaractors explored the street foods of Sowcarpet along with Rotaractors from a few other Rotaract clubs.

Sa Re Ga Ma 2.0



This event was a part of the many events held during inter collegiate cultural Highways. I was a musical event where the participants had to guess the song and sing it too. The event saw 100 participants who enjoyed exercising their vocal chords.

Fanaa-Accomplishment

On 29th May a team of 10 Rotaractors visited a Government School in South Chennai to accomplish the cause of FANAA and install the sanitary napkin dispenser for the safety and welfare of the underprivileged students.



SCIENCE CLUB

Sparring for Science is a virtual debate/group discussion like event held on 25th January 2022 in Google meet between 2:15pm and 5:30pm. It is similar to the Model United Nations in which the teams can discuss major environmental, technological, ecological topics across the globe. The event started with welcome note by the Coordinator SVCE Science Club Dr.N.R.Sheela and special address by Dean Research Professor R.Muthucumaraswamy.

ROUND-I

After the welcome address and briefing about the event Round – I was started. It was conducted in breakout rooms for as Group 1 in a meet link and Group 2 in another meet link. This is a virtual debate/group discussion like event is similar to the Model United

Nations in which the teams can discuss major environmental, technological, ecological topics across the globe. Each team represented the given country which was delegated to them prior to the event. They prepared a presentation of total of 5 slides (excluding title and thank you slide) focused on the happenings in their country allotted to them pertaining to the theme of the event. The teams were judged on how well they understood, represent and support their country and the global solution they have provided to the given theme. The detailed speech and presentation of the participants impressed the judging panel and levelled up the competition. Top three teams in each group were qualified for Round – II.

Then, Mr. N. N. Harish Kumar, the President of Students' Council 2021 introduced the chief guest Ms. Sowmya Mahadevan, Chief Operating Officer, Exeter Premedia Services, Chennai, India.

ROUND-I Male and Female Participants:

Male 11

Female 4

Total 15

ROUND-II Male and Female Participants:

Male 25

Female 12

Total 37

The teams which have qualified to the final round has been assigned a new country each. In this round, the teams were presented a crisis-like situation where two groups of countries will be in opposing sides. The teams have convinced the moderator as to why the final resolution must be in favour of their country/group. A member from each team had put forth their argument in a civil manner within a time of 2 minutes. Teams had engaged with each other in an orderly manner and with due consent from the moderator. Teams were evaluated based on their spontaneity, understanding and depth of argument. The winner of the event was chosen from the group for which the resolution was on favour of.

Prepared by

year student of Bio-Technology Department delivered the welcome address. The faculty coordinator Dr.N.R.Sheela formally welcomed all the participants, teachers from various schools across the state. Around 150 students participated from various schools across the state.

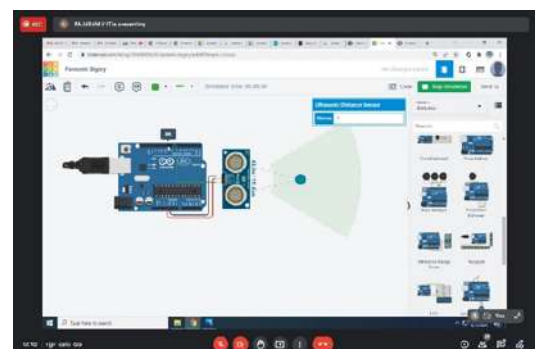
Dr. R.Anitha Professor and Head Department of Computer Science Engineering delivered and shared the insights on the "Introduction to Hackathon", after which there was an interactive session with the students which elaborates the selection process of Hackathon to the participants. Dr.V.Vidhya Professor and Head Department of Information Technology shared her expertise on Ideation, Conceptualization and building solution to problem statements to the participants. The briefing about the sessions was done using a presentation which gave



useful insights on creativity and originality pertaining to the theme based problem statements. Ms.R.Saktheeswari, Assistant Professor Department of Information Technology shared the session with Professor V.Vidhya. Dr.V.Rajaram and Ms. Kiruthika Devi Assistant Professor Department of Information Technology and Mr.K.Srinivasan, Assistant Professor

Department of Computer Science Engineering shared their insights about hackathon and presented hackathon based activities to the participants for better understanding.

The meet was then dispersed for lunch at 1:00pm. The meet was then resumed at 2 pm wherein they had a quick review of the morning session and a fun ice breaking session by Students' Council. Thereafter, our Alumni Mr.A Krishnakanth SIH Finalist, Mr.J.Yuvaraj 2021 batch CSE) taught the students the basics of Arduino and how to implement them in their projects using Tinkercad. Following this, there were technical sessions held elaborating on various fields of importance like software development, problem solving, etc.



Faculty Co-ordinator – Dr.N.R.Sheela and

Student Co-ordinators for the event are Ishwarya, Harini, Meer Thahir, Dhruv Shivkumar.

The Science Club and Students' council of SVCE conducted an Exclusive One Day online Workshop "How to Ace SIH Jr. 2022" for School Students, on 12th March 2022 between 9:00 am and 4:00 pm via Google meet. For the first time, Smart India Hackathon is extended to School students from 6th to 12th classes to showcase their talent and generate out-of-the-box open innovation ideas in the 2022 edition. Sri Venkateswara College of Engineering (SVCE), a premier engineering Institution in Tamil Nadu and winner of many international level and National level hackathons, had the privilege to assist the school students by organizing a one-day exclusive online workshop, to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem-solving. The program started with a prayer song and Student President from Science Club, Mr.R.Keertivasan final

At 3:00pm, former Hackathon winner (2020) Mr.J.Ajaykarthik shared his experience and proceeded to explain the various phases of the Hackathon and how to get through each phase of the program. He also guided the students in the selection of the most appropriate problem statement, stressing on prioritizing environmental and humanitarian problems that would be beneficial for the society while also being fairly accessible. As the program came to an end, a Q&A session was held in which students were cleared with their doubts. The Students' Council President Ms. Jessi Grace, final year Information Technology department delivered the vote of thanks. The event finally concluded with the National Anthem.

The SVCE Science Club organized an event to commemorate the National Science Day and inaugural ceremony of Science club on 28th February 2022 between 9:00 am and 12 :00 noon at Library Seminar Hall. The event started with a prayer song and Dean (Research) Dr.R. Muthucumaraswamy delivered the welcome address. Then, the participants were briefed about the event by the Faculty Coordinator Dr.N.R.Sheela, Then,Vice Principal of SVCE, Dr.K.R.Santha M.E.,Ph.D, Professor and head, Department of Electrical and Electronics Engineering addressed the students emphasizing the importance of innovative thinking. This was followed by an Invited talk on " Tackling the Cancer" by Dr.

Gnanasekar Munirathinam, Ph.D., Associate Professor, Department of Biomedical sciences, University of Illinois The invited guest Dr. G. Sudhandiran, Ph.D., Professor, Cell Biology Laboratory Department of

Biochemistry University of Madras, Guindy Campus, Chennai delivered the Guest Lecture on " Scientific Advancements in Engineering and Technology".The guest speakers were introduced by Ms.Visalakshi Subramaniam and Dr.S.Ananda BabuJoint- Coordinators of Science Club. The elected office bearers for the AY:2021-2022 of the SVCE Science club was formally introduced by the Faculty Coordinator of Science Club.

In view of National Science Day to inculcate the team work, collaboration, imagination and to showcase their talents, following competitions were conducted among all the SVCE Students



1.WHIZ FOR ERUDITES

(A Rapid Fire Grill)

ROUND- 1

Round -1 Whiz for Erudites –A rapid fire Grill Competition was conducted on 22nd February 2022 between 6:00 PM and 7:00 PM via Google Meet. Participants were welcomed by the coordinator and instructions were given both orally and through presentation. It was conducted by dividing the teams into 5 batches and the respective coordinators were assigned for each batch. 5 google meet links were created for all 5 batches and were circulated to the participants. Members of every team joined the google meet for respective batches. Questions were presented by the coordinators and 12 seconds were given to answer each question. Questionnaire also contained descriptive questions for which the time limit has been extended to 15 seconds. Those who first clicked the raise hand option were given the first chance to answer and 10 points were given for correct answers. In case of wrong answers, the chance went to the second team who raised their hand and 5 points were given for correct answer and again in case of wrong answers, third team got the chance and 3 points were given. The participants actively participated in the event. The top 5 teams in each batch have been qualified for round 2.

Male and Female Participants:

Male

11

Female

4

Total

15

1.WHIZ FOR ERUDITES

ROUND -II

Round-II Whiz for Erudites –A Rapid Fire Grill was conducted on 25th February 2022 at video hall from 11:00am to 12:00 noon.The selected top 4 teams participated in the event. The time limit for each and every question was 12 seconds and for descriptive questions, 15 seconds were given. The team which pressed the buzzer first was given the chance to give their answer. In case of a correct answer, the point was given to them and in case of wrong answer, the question was passed to the next team. This repeats until all teams have got a chance to answer the question. Judging criteria was based on the timing and the amount of detail in the answers provided by them for the descriptive questions.





2. HUECRAFT

(A Poster Making competition)

Hue Craft –A poster Making competition was an individual

Women Empowerment Cell

EVENT ORGANISED:

The Women's Day celebration at SVCE was held on 8th March 2022, organized by Women Empowerment Cell, SVCE. Ms. Monisha Venkatesh, Project Officer, Child Development Project Office, Sriperumbudur, presided over the event and gave a guest lecture on "Women's Health and Nutrition." The female students and faculty members took part in a variety of competitions, including rangoli, adaptune, solo vocals, tug-of-war, treasure hunt, spot light, speech, and masterchef. Certificates and cash awards were given to the winners of various competitions.



participation event. Participants were asked to design a poster related to the theme "Science in day today life" and asked to upload through the Google form. They were also asked to explain the elements of science in their poster and the provision for the same is given in the submission link. The participants were asked to submit the poster in a pdf format and the deadline for submission was 23rd February 2022. A WhatsApp group was created, and the submission link was circulated through the group. The

WINNER for HUE CRAFT event was Mr.VISHAL JC

On the National Science Day Event after the guest lecture students were interacted with the guest speakers and their queries were answered by the Guest speakers. Finally, the certificates were distributed to the prize winners and to the Science Club members as a token of appreciation for their active involvement and effort rendered by them participation in all the events conducted by the Science Club. Further, the badges were distributed to all the office bearers and members of the club. The student president Mr.Keerthivasn delivered the vote of thanks and the event concluded with the National Anthem.



YRC Club

Events Organised:

Mega awareness Programme:

YRC SVCE Unit organized a five-day mega awareness program during 25th - 29th January, 2022 where the students had the opportunity for live interactions and discussions on various important topics Viz. First aid training programme, Republic day competitions, Road safety awareness programme, National youth day celebrations and Yoga training & awareness programme. Several competitions were conducted during the mega awareness programme

and the winners were felicitated by the chief guest and juries. YRC SVCE Unit, Through Humanity to Peace, certainly did train the students on social responsibility, health, life, and moral capacities.

Blood Donation Camp:

YRC SVCE Unit in association with other clubs in SVCE conducted one day post-pandemic voluntary blood donation Camp on 12th March, 2022 and collected 457 units of blood from the donors.

SVChronicle

Newsletter

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