

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



ISO 9001:2015, MLC 2006 Certified

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Department Activities

Department of Automobile Engineering

Workshops/FDPs/Conferences

Dr Ganesh V, Associate Professor participated in a Two day workshop on “EAT, TSA,CNA and SNA in PFMS E-Governance” organized by Sri Venkateswara College of Engineering from October 31 2022 to November 01 2022.

Dr Ganesh V, Dr Premnath S, Associate Professors, Mr K Paul Durai, Mr R Sakthivel Assistant Professors participated in a one day workshop on “Curriculum Design” organized by Sri Venkateswara College of Engineering on October 18 2022.

Dr G Ravi, Assistant Professor participated in a one day workshop on “Fusion 360” organized by Autodesk Authorized Training Centre on September 20 2022.

Mr J Dhanabal and Mr R Sakthivel, Assistant Professors participated in webinar titled “Future Technologies in Automobiles” organized by PALS Technology Speaks on August 30 2022.

Mr J Dhanabal, Assistant Professor participated in Anna University Sponsored Six Days Online FDP on “CE8301 – STRENGTH OF MATERIALS I” organized by Sri Venkateswara College of Engineering from July 11 2022 to July 16 2022.

Students' Achievements

Mr Rohith R R Menon and Mr S Shyam Kumar, III year students participated in The First Theory To Practice (T2P) Lecture titled “Groundwater Contamination And Remediation” organized by PALS on September 1, 2022.

Mr G Shri Krishnaa and Mr A Vaseekaran, III year students participated in a lecture titled “3D Printing And Its Applications” organized through Pals Technology Speaks on September 22 2022.

Ms S Abinaya, Mr A Abishek, Mr B Praveen, Mr S Prajoth, III year students, Mr P Abinandan, Mr A Lokeshwar, II year students participated in a one day workshop on “Fusion 360” organized by Autodesk Authorized Training Centre on September 20 2022.

Expert Lectures

Mr.Vinay Dusi, Manager - ANSYS, Academic Programs, Business Development, delivered a Guest Lecture on “Application of ANSYS and their market trends” on October 12 2022.



Resource Person

Dr Ganesh V, Associate Professor delivered a lecture on “Engine cooling system” on October 15 2022 in a three day workshop on Engine Cooling System organized by Sri Venkateswara College of Engineering from October 13 2022 to October 15 2022.



Dr Ganesh V, Associate Professor delivered a lecture on “Automotive Materials and Testing” in a one day workshop on Innovations in Material Testing for Industries organized by Sri Venkateswara College of Engineering on October 07 2022.



Department of Biotechnology

Workshops/FDPs/Conferences

Dr.P.K.PraveenKumar participated SERB sponsored workshop on “Hands-On Training on Computer Aided Drug Design and Discovery Tools”, Shree S.K. Patel College of Pharmaceutical Education and Research, Ganpat University, Gujarat, 11/07/2022 to 17/07/2022.

Dr.P.K.Praveen Kumar has delivered guest lecture and Hands-on-experience in SERB sponsored workshop on “Hands-On Training on Computer Aided Drug Design and Discovery Tools”, Shree S.K. Patel College of Pharmaceutical Education and Research, Ganpat University, Gujarat, 13/07/2022.

Dr.P.K.Praveen kumar has delivered guest lecture in “Startup Opportunities in Biotechnology” in Ministry of Education (MoE) Innovation cell sponsored seminar in the World Entrepreneurship Day celebrations organized by IIC, SVCE, Sriperumbudur, 20/07/2022.

Dr. P.K.Praveen Kumar has delivered guest lecture in “Multi-staged gene expression profiling reveals potential genes and the critical pathways in kidney cancer” on Faculty Research Day in SVCE, Sriperumbudur, 15/06/2022.

Ms. Kanagam has presented a paper in “Value-added produce from microalgae coupled with remediation of dairy effluent” in International Virtual conference EFB on 04/10/2022 to 05/10/2022 organized by Elsevier.

Dr. J. Isaivani participated in the Faculty Development Program on VIRTUAL LABS, held virtually from 19/10/2022 thru 21/10/2022 as part of the “PALS-VLABS 2022-23 INITIATIVE with NITK Surathkal”.

Students' Achievements

Ms. Divyasakthi M, Mr. Nithin Raj has secured first prize in Poster presentation on “Evaluation of Anti-acne activity of squid based hydroxyapatite nanoparticles” under the guidance of Mrs. R. Rathna in International Conference on “Emerging Technologies for a sustainable food industry” organized by the Department of Food Technology, Rajalakshmi Engineering College, Thandalam during 28/10/2022 and 29/10/2022.



Mr. M. Elambarithi, Ms. S. Bathmasree, Ms. V. Vishnu priya has presented an Oral presentation on “4D printing technology challenges and opportunities in the food product development” in International Conference on “Emerging Technologies for a sustainable food industry” organized by the Department of Food Technology, Rajalakshmi Engineering College, Thandalam during 28/10/2022 and 29/10/2022.

Faculty Publications

R. Viveka & E. Nakkeeran (2022) Development and characterization of a novel biodegradable laboratory-made pullulan blended films, *Journal of Environmental Biology*, 43 (6), 755-763.

Rekha Ravindran, Praveen kumar P.K, Sriram Kumar, Sujata Roy, Sakthi Abhirami Gowthaman, Johanna Rajkumar (2022), In silico studies of PARP1 and P2Y1 receptors as prospective targets of Withaferin-A for Cardiovascular diseases, *Letters in Drug Design & Discovery*, Vol.19, No.4, pp. 323-336. DOI: 10.2174/1570180819666211228103102.

Hamed Ishaq Khouja, Ibraheem Mohammed Ashankyty, Leena Hussein Bajrai, P.K Praveen Kumar, Mohammad Amjad Kamal and Mohammad Mobashir (2022), Stage-wise gene expression profiling reveals potential genes and the pathways in kidney cancer, *Scientific reports*, 12 (1): 7240, pp. 1-10. DOI: 10.21203/rs.3.rs-523406/v.

Dr. P.K.Praveen Kumar, ASP/BIO published an Indian Patent titled “*Bacillus cereus* can cause experimental Endophthalmitis, which can be treated with Moxifloxacin with or without dexamethasone”, Application No: 202241040267, Publication Date: 22/07/2022.

Dr. P.K.Praveen Kumar, ASP/BIO published an Indian Patent titled “Biomedical imaging system for cancer screening using artificial intelligence”, Application No: 202231059318, Publication Date: 21/10/2022.

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

Chozhavendhan, S., Karthigadevi, G., Bharathiraja, B., Kumar, R. P., Abo, L. D., Prabhu, S. V & Jayakumar, M. (2022). Current and prognostic overview on the strategic exploitation of anaerobic digestion and digestate: A review. Environmental Research, 21 (61), 114526.

Hariharan Jayaraman, A. Anandhapadman, & V. Nalinkanth Ghone (2022), In Vitro and In Vivo Comparative Analysis of Differentially Expressed Genes and Signaling Pathways in Breast Cancer Cells on Interaction with Mesenchymal Stem Cells. Applied Biochemistry and Biotechnology, 1-31.

Expert Lectures

·Dr. Aoshuang Chen, Associate Professor, Biomedical Sciences University of Illinois, College of Medicine Rockford, United States has delivered the guest lecture on “Engineered Nanomaterials for Biomedical applications” on 24/09/2022. Faculty Coordinator: Dr. E. Nakkeeran, Dr. K. Ganesh Prasath, Mr. Aswin Jeno J G

·Dr. Jagathesh Chandra Bose Rajendran, Post-doctoral researcher, Biomedical and Translational Medicine Masonic Medical Research Institute, US has delivered the guest lecture on “Engineered Nanomaterials for Biomedical Applications” on 24/09/2022. Faculty Coordinator: Dr. K. Vasantharaj

·Dr. Xue-Jun Li, Associate Professor Biomedical Sciences University of Illinois College of Medicine Rockford, United States has delivered the guest lecture on “Modeling Motor Neuron Diseases with Human Pluripotent Stem Cells” on 30/09/2022. Faculty Coordinator: Dr. E. Nakkeeran, Mr. Aswin Jeno J G, Dr. K. Ganesh Prasath

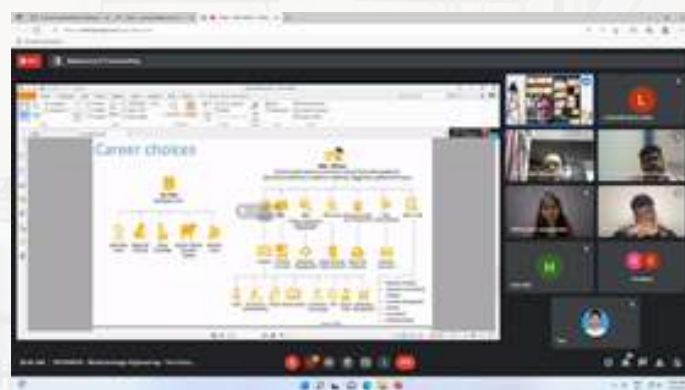
·Dr. Mohan Venkatraman, CEO & Director- Experteze has delivered the guest lecture series in 'Sequence alignment" of Bioinformatics and Computational Biology from 26/10/2022 to 14/11/2022. Faculty Coordinator: Dr. E. Nakkeeran, Dr. P. K.Praveen Kumar



·Dr. Divya Rani Bijukumar, Assistant Professor, Biomedical Sciences, University of Illinois College of Medicine Rockford, United States has delivered the guest lecture on “Design Facets of Ligand-Targeted Nano- Delivery Systems for Retinal Diseases” on 19/12/2022. Faculty Coordinator: Dr. E. Nakkeeran, Dr. K.Divakar, Dr. K. Ganesh Prasath

Events Organised

Dr. Nakkeeran, Dr. K. Divakar, Mr. Aswin Jeno J G, Dr. R. Lakshmi devi organized “SVCE Pathways: Biotechnology Engineering – The Future of Healthcare” on 11/07/2022.



Dr. Nakkeeran, Mr. N. Sathish, Mr. Aswin Jeno J G, Dr. K. Ganesh Prasath organized Alumni Interaction on “Higher Studies Opportunities in the USA” on 03/09/2022

Dr. Ganesh Vaidyanathan, Dr. E. Nakkeeran and Dr. P.K.Praveen Kumar obtained MoU with Dr. Mohan Venkatraman, CEO & Director- Experteze for incubation support and international guest lectures. A series of 8 lectures are conducted in 'Sequence alignment" of Bioinformatics and Computational Biology subject at SVCE during 26/10/2022 to 04/11/2022.



Department of Chemical Engineering

Workshops/FDPs/Conferences

Dr. G. Sudha, Associate Professor, Department of Chemical Engineering has attended Online FDP on “Innovation ambassador (IIC)”, organized by MoE - IIC & AICTE, during 07.07.2022 to 21.07.2022 (30 hours).

Dr. Philip Bernstein Saynik, Assistant Professor, Department of Chemical Engineering has attended Webinar on “Awareness/Training Program on National Intellectual Property Awareness Mission”, organized by Intellectual Property Office, India, on 04.08.2022.

Dr. G. Sudha, Associate Professor, Department of Chemical Engineering has attended six days FDP on “Smart Waste Management”, organized by Department of Chemical Engineering, SRM Institute of Science and Technology, Chennai, during 12.09.2022 to 17.09.2022.

Dr. G. Sudha, Associate Professor, Department of Chemical Engineering has attended Virtual FDP on “Current Trends in Desalination”, organized by Department of Chemical Engineering, SRM Institute of Science and Technology, Chennai, during 04.10.2022 to 08.10.2022.

Dr. N. Meyyappan, Professor & HOD, Department of Chemical Engineering has attended Online International FDP on “Novel & Sustainable Membrane Technology”, organized by Department of Chemical Engineering, Siddaganga Institute of Technology Tumakuru, during 17.10.2022 to 21.10.2022.

Ms. A.C. Vijayalakshmi, Assistant Professor, Department of Chemical Engineering has attended Online International FDP on “Novel & Sustainable Membrane Technology”, organized by Department of Chemical Engineering, Siddaganga Institute of Technology Tumakuru, during 17.10.2022 to 21.10.2022.

Dr. D. Sivakumar, Assistant Professor, Department of Chemical Engineering has attended Online International FDP on “Novel & Sustainable Membrane Technology”, organized by Department of Chemical Engineering, Siddaganga Institute of Technology Tumakuru, during 17.10.2022 to 21.10.2022.

N.Arun Prem Anand, Assistant Professor, Department of Chemical Engineering has attended Online International FDP on “Novel & Sustainable Membrane Technology”, organized by Department of Chemical Engineering, Siddaganga Institute of Technology Tumakuru, during 17.10.2022 to 21.10.2022.

Dr. M. Srividhya, Assistant Professor, Department of Chemical Engineering has attended Online International FDP on “Novel & Sustainable Membrane Technology”, organized by Department of Chemical Engineering, Siddaganga Institute of Technology Tumakuru, during 17.10.2022 to 21.10.2022.

Dr. V. Divya, Assistant Professor, Department of Chemical Engineering has attended Online International FDP on “Novel & Sustainable Membrane Technology”, organized by Department of Chemical Engineering, Siddaganga Institute of Technology Tumakuru, during 17.10.2022 to 21.10.2022.

Dr. V. Divya, Assistant Professor, Department of Chemical Engineering has attended Workshop on “Curriculum Design”, organized by Sri Venkateswara College of Engineering, on 18.10.2022.

N.Arun Prem Anand, Assistant Professor, Department of Chemical Engineering has attended Online FDP on “Virtual Labs”, organized by PALS-VLAB 2022-2023 initiative with NITK Surathkal, during 19.10.2022 to 21.10.2022.

Students' Achievements

Mr. Deepak B, Mr. Mahadevan. M and Mr. J. Jeeva Khana, of Final Year, B.Tech Chemical Engineering, has won 3rd Prize, under Oral Session for the theme “Catalysts for Sustainable Development” at 18th Annual Session on Chemical Engineering Students Congress – SCHEMCON 2022, conducted at National Institute of Technology, Warangal, Telangana, during 23.09.2022 to 24.09.2022

Mr. Dakshana K, Mr. Abdulla Irfan Jahir Hussain, Mr. M. Abhinav Subrahmanyam, Ms. Navya R, Mr. Nitish Kumar K, Mr. Jow Raymund I, and Mr. Bakyaraj K of Third year, B.Tech Chemical Engineering, has presented paper in Oral Session at 18th Annual Session on Chemical Engineering Students Congress – SCHEMCON 2022, conducted at National Institute of Technology, Warangal, Telangana, during 23.09.2022 to 24.09.2022

Mr. S. Yasir Arafath of Final year, B.Tech Chemical Engineering, has presented paper in Oral (Online session) at 18th Annual Session on Chemical Engineering Students Congress – SCHEMCON 2022, conducted at National Institute of Technology, Warangal, Telangana, during 23.09.2022 to 24.09.2022

Total 36 students of Final year B.Tech Chemical Engineering and 5 students of Third year B.Tech Chemical Engineering have successfully received certificate on completion of 12 week NPTEL Course, during September 2022 to November 2022.

International Fellowship



Mr.V.K.VIGNESH, Third year B.Tech Chemical Engineering, has undergone “Summer Undergraduate Research Fellowship 2022” at “California Institute of Technology (CalTech)”, USA, during 18/07/2022 to 10/09/2022.

Faculty Publications

Dr. N. Meyyappan, Professor & HOD, Department of Chemical Engineering, Dr.R.Palani, Associate Professor, Dept. of Chemical Engineering and Dr. D. Sivakumar, Assistant Professor, Department of Chemical Engineering, have published a paper titled “Biosorption of Cr (VI) ions by Ficus religiosa barks: Batch and continuous study”, in the journal, Membrane and Water Treatment, 13(5), 209-217 2022.

Dr.R.Govindarasu, Associate Professor, Dept. of Chemical Engineering, has published a paper titled, “Investigation On Human Factors Influencing Health And Safety Performance in the Construction Industry”, in Journal Of Northeastern University, 25 (04), 2022.

Dr.G.Sudha, Associate Professor, Department of Chemical Engineering, has published a paper titled “Enzymatic Degradation of Polycarbonates: Response Surface Methodology (RSM) Based Approach” in the Journal of Physics: Conference Series, 1979, 1 - 012006, 2022.

Dr. V. Divya, Assistant Professor, Department of Chemical Engineering has appreciated for her role as Session Chair for Two Technical sessions, during Mega Event SCHEMCON – 2022, at National Institute of Technology, Warangal, Telangana, during 23.09.2022 to 24.09.2022.

Expert Lectures

Association of Chemical Technologist, IChE- SVCE Students chapter and AIChE – SVCE Students Chapter has arranged 5 Expert Lectures during Odd semester 2022-23 by October 2022.

On 24.08.2022 Guest Lecture on topic Circular Economy & Sustainability Strategies, delivered by, Dr.B.R.Ragavendra Prasad, BASF, Germany.



On 19.09.2022 Guest Lecture on Role of Process Engineer in Pharmaceutical Industry, delivered by Prof.Dr.Bindumadhavan Gururajan, Novartis Pharma, Switzerland



On 30.09.2022, Guest lecture on the topic Motivational Talk and Providing Career Guidance, delivered by Shri J. Sridhar Chemfab Alkalies Limited, Puduchery, India.



On 12.10.2022 Guest Lecture on topic An Overview of Petroleum Refinery, delivered by Shri. Chiranjeevulv, Ex-ONGC - MRPL, Mangalore, India



On 21.10.2022 Guest Lecture on topic Expectations of Industry from Fresh Chemical Engineers, delivered by, Shri.S. Stalin, Director, Chem Skill Development Centre, Chennai



On 06.11.2022, Guest Lecture on topic Design of various supports and Pressure Vessels, delivered by Shri. Hammad Ahmad, KBR Pvt Ltd, Chennai and Shri. M. Elangovan, Consultant, Chennai.



Patent Received

Department of Chemical Engineering has been granted the second patent titled "LABORATORY SCALE INVERTIBLE AND CONSTANT FLOW RESIN COLUMN" in the name of our Institution.

Inventors are, Dr C Anand Babu, Former Professor / SVCE, Ms S Swathi, Former Faculty Member / SVCE, Mr LS Badhri Narayanan, Former Research Scholar / SVCE and Dr N Meyyappan, Professor and HOD / Dept of Chemical Engg.

Department of Civil Engineering

Workshops/FDPs/Conferences

Mr. Kalaivannan R AP/CVE participated in one day online workshop titled "Water Quality studies using Hyperspectral Remote Sensing for the Indian Coastal and Inland Waters" conducted by IIRS on 05-08-2022.

Dr. R. Kumutha Prof. & Head participated in L&T EduTech - Naan Mudhalvan Training of Trainers Program for "High Rise Building Design" held between 19th to 22nd September 2022.

Ms. Ruby Freya AP/CVE participated in L&T EduTech - Naan Mudhalvan Training of Trainers Program for "Design & Construction of Steel Buildings" held between 19th to 22nd September 2022.

Mr. A.Vijay Vignesh participated in L&T EduTech - Naan Mudhalvan Training of Trainers Program for "Building Information Modeling" held between 19th to 22nd September 2022.

Mr. A. Vijay Vignesh participated in the One Day Workshop on "Curriculum Design" organized by Sri Venkateswara College of Engineering from 18.10.2022.

Students' Achievements

Ms.A. Jenisha (IV Year) secured First Place in Build-O-Quiz a technical quiz organised by the Department of Civil Engineering in association with Indian Concrete Institute on 07.09.2022.

Mr.Laleeth Kumar D (IV Year) secured Second Place in Build-O-Quiz a technical quiz organised by the Department of Civil Engineering in association with Indian Concrete Institute on 07.09.2022.

Mr. Lalith Kumar T (IV Year) & Mr. Dhanush Kannan L (III Year) secured First Place in Build-O-Quiz a technical quiz organised by the Department of Civil Engineering in association with Indian Concrete Institute on 07.09.2022.

Faculty Publications

Patent

Mr. G. Arun & Mr. R. Mathiyazhagan AP/CVE published a patent titled "Optimized Geo-Polymer Concrete With Slag And Fly-Ash Blends Under Ambient Temperature"

Grants Received

The project titled "Mix Optimization and design guidelines for fully recycled geopolymers concrete" submitted by Dr. R. Kumutha, Prof. & HOD/Civil has been approved by Science and Engineering Research Board (SERB) for funding under the Teachers Associateship for Research Excellence (TARE) for a period of 3 years via letter dt. 06/10/2022. The funding includes research grant, fellowship and overhead charges as per SERB-TARE norms.

Dr. R.Kumutha received a grant of Rs. 1,50,000/- under "Assistance to Professional bodies and Seminar/Symposia Scheme from SERB for organizing a National Conference titled "Smart and energy efficient construction Materials and Technologies for Sustainable Infrastructure" via letter dt. 28/09/2022.

Lectures delivered

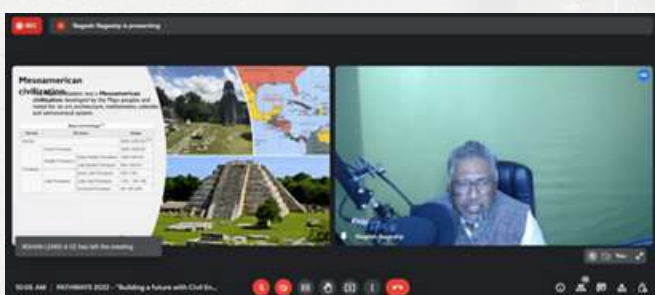
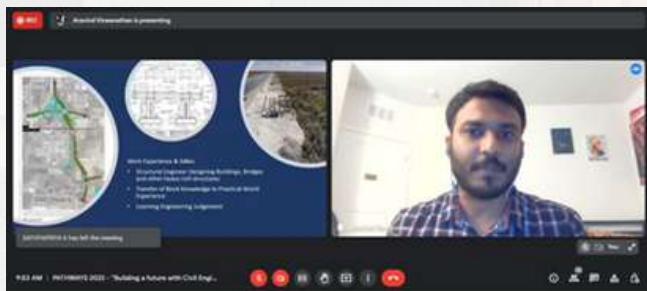
1. Dr. R. Kumutha delivered the keynote speech on "Fibre Reinforced Polymers for R.C. Columns Applications and Challenges" in the 11th Spring world congress on Engineering and Technology (SCET2022) held during Aug 13-15, 2022 in Xiemen, China (Online).

Events Organised

1. A Webinar on "Pathways 2022 – Building a future with Civil Engineering" was organised by the Department of Civil Engineering on 15.07.2022 for the school students and their parents.

Speakers:

- Dr.R. Kumutha, Professor & Head / Civil Engineering, SVCE.
- Mr.Aravind Viswanathan, (2011-15 batch), Structural Engineer, OM Engineering Services, Inc, Orlando, USA
- Mr. Nagesh Puttaswamy, Zonal Head South, White Topping & RMD, Ultratech Cement Ltd.
- Ms. Ruby Freya, Assistant Professor / Civil Engineering, SVCE.
- Ms. G. Dharshini, IV Year Student
- Ms. H. Nancy, IV Year Student
- Dr. M. Selvakumar, Assistant HoD, Associate Professor, SVCE.



A Workshop on "BIM and Quantity Estimation" was organized by the Department of Civil Engineering and delivered by Mr. Thiyagarajan, Tech Lead Civil, CADD Centre, Chennai on 29.08.2022 at CADD Lab, SVCE. The program was organized by Dr.R.Kumutha, Professor & Head/Civil Engineering and coordinated by Mr. A.Vijay Vignesh (AP/CVE).

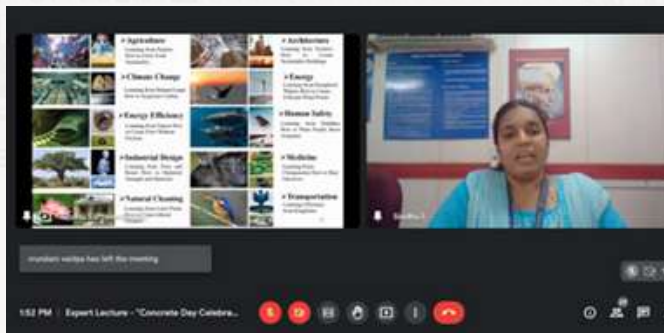


A Guest Lecture on "Transport Demand Management" was delivered by Dr. Andreas RAU, Faculty Head and Principal Investigator (Rail, Transport & Logistics), TUM Asia, Singapore. On 02-09-2022 at Placement Cell SVCE by the Department of Civil Engineering & Training and Placement Cell.



An Expert Lecture on the eve of "Concrete Day Celebrations 2022" was organized by the Department of Civil Engineering in association with Indian Concrete Institute on 07.09.2022. Session 1: Micro -Characterization of Concrete Speaker: Dr. T. Palanisamy, Assistant Professor, Department of Civil Engineering, National Institute of Technology Karnataka, Surathkal. Session 2: Biomimicry - Providing a Concrete Solution to a Global Problem Speaker: Dr. S. Sindhu Nachiar, Executive Member - ICI Chennai Centre, Assistant Professor, Department of Civil Engineering, SRM Institute of Science & Technology, Chennai. The program was organized by Dr.R.Kumutha (HoD/CVE) & coordinated by Mr. A.Vijay Vignesh (AP/ CVE).





Build-O-Quiz (Technical Quiz) competition was organized by the Department of Civil Engineering in association with Indian Concrete Institute on 07.09.2022 (10.30 - 11 A.M.) for civil department students. Theme: Concrete Technology



Computer Science and Engineering

Workshops/FDPs/Conferences

Dr. R. Anitha, Prof. and HoD/CSE and Dr. T. Rajasekaran, Assoc. Prof./CSE organized “Yet Another Hackathon”, with the judging panel of Udayasankar Hariharan, Lead Engineer, Shravan Dheep R, Senior Machine Learning Engineer, Madhu Nisha N, Senior Engineer, Roshini Bhandari and Aishwaria Sterling James, people operations from Mad Street Den, on 30th and 31st of July, 2022

Dr. B. Praveen Kumar, Assoc. Prof./ CSE, 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. Rupa Kesavan, AP/CSE, 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 Centre - Chennai from 11th- July- 2022 To 15th- July 2022.

Ms. R. Iyswarya, AP/ CSE, Ms. V. Radha, AP/CSE, 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.

Dr. N. Rajganesh, Assoc. Prof. /CSE, attended a one-day workshop on “Intellectual Property Rights (IPR) & Patents And Design Filing”, organized by the IPR Cell of Dayananda Sagar Academy of Technology and Management, In Association with Rajiv Gandhi National Institute of Intellectual Property Management (RGNIIPM) Government of India, Nagpur (Under National Intellectual Property Awareness Mission) on 17.08.2022.

Dr. P. Geetha, AP/CSE, Ms R. Kapilvani, AP/CSE, attended a 5 days CSI Sponsored FDP on “Exploring Augmented Reality / Virtual Reality using Unity Tool”, held from 11/07/2022 to 15/07/2022, Department of Computer Science and Engineering, Sri Sairam Institute of Technology, Chennai.

Dr. P. Geetha, AP/CSE, Ms R. Kapilvani, AP/CSE, attended a 5 days FDP on “Cyber Security and Block chain Technologies”, held from 25/07/2022 to 29/07/2022, Amity Institute of Information Technology, Amity University, Kolkata.

Dr. P. Geetha, AP/CSE, Ms R. Kapilvani, AP/CSE, attended One Week National Level FDP on “Amazon Web Services”, held from 22/08/2022 to 27/08/2022, VIT Chennai and Brainovision, Chennai.

Ms. V. Radha, AP/CSE, 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 STMicroelectronics.

Mr. P. Selvamani, AP/CSE, Mrs. D. Sasikala, AP/CSE, Ms. S. Senthamizhselvi, AP/CSE, attended a 2 days National workshop on Edge computing and its application organized by SSN College of Engineering during 26th and 27th August 2022 in association with Siemens India Pvt. Ltd.

Mr. P. Selvamani, AP/CSE, Mr. M. Suresh Kumar, AP/CSE, Mr. Lakshmanan, AP/CSE, attended One week FDP on “Ethical Hacking” conducted by VNR Vignana Jyothi Institute of Engineering and Technology from 08th August 2022 to 13th August 2022.

Ms. P. Kaviya, AP/CSE, in association with the placement cell organized an awareness campaign on “FEMALE PERSONAL HYGIENE & PERSONALITY SKILL”, on 26/08/2022.

Mr. R. Senthil Kumar, AP/CSE, Ms. P. Kaviya, AP/CSE, attended 5 Days FDP on Power BI Data Analyst Associate conducted by ICT Academy from 30/08/2022 to 05/09/2022.

Mr. P. Kaviya, AP/CSE, has attended 5 Day FDP on Power BI Data Analyst Associate conducted by ICT Academy from 30/08/2022 to 05/09/2022.

Mr. K. Srinivasan, AP/CSE, Ms. G. Janakasudha, AP/CSE, Ms. A. Ajoe Sweetlin Jeena, AP/CSE, organized a 24 hour inter-college hackathon - Hackerrupt'22, at GUVI GEEK

NETWORK PRIVATE LIMITED, IIT Madras Research Park, Chennai on 8.10.2022 and 9.10.2022.

Dr. P. Vinothiyalakshmi, Assoc. Prof./CSE, Ms. R. Poorni, AP/CSE, Ms. Ajoy Sweetlin Jeena, AP/CSE, Ms. P. Uma, AP/CSE, Ms. Shobhanjaly P Nair, AP/CSE, Mr. Lakshmanan M, AP/CSE, Mr. A. S. Vibith, AP/CSE, has organized 2 Days Technical workshop on "Classifier Models in Data Mining", from 28.10.2022 to 29.10.2022.

Mr. Lakshmanan M, AP/CSE, Mr. Gnanavel R, AP/CSE, Mr. Vibith A S, AP/CSE organized One day online Guest Lecture on "Security Concerns in Internet of Things in Cloud (IoT)", from 20.10.2022.

Dr. R. Anitha, Prof & HoD/CSE, Dr. P. Janarthanan, Assoc. Prof./CSE, Dr. N. Revathi, Assoc. Prof./CSE, Dr. P. Vinothiyalakshmi, Assoc. Prof./CSE, Dr. T. Rajasekaran, Assoc. Prof./CSE, Dr. B. Praveen Kumar, Assoc. Prof./CSE, Mr. K. Srinivasan, AP/CSE, Ms. V. Rajalakshmi, Assoc. Prof./CSE, Ms. G. Janakasudha, AP/CSE, Ms. R. Gayathri, AP/CSE, Dr. T. Padmavathy, AP/CSE, Ms. S. Rajalakshmi, AP/CSE, Ms. J. Buvana, AP/CSE, Ms. S. Poorani, AP/CSE, Dr. P. Geetha, AP/CSE, Ms. S. U. Muthunagai, AP/CSE, Ms. R. Iyswarya, AP/CSE, Mr. R. SenthilKumar, AP/CSE, Mr. P. Selvamani, AP/CSE, Dr. Girija M S, AP/CSE, Ms. V. Radha, AP/CSE, Ms. Rupa Kesavan, AP/CSE, Ms. R. K. Kapila Vani, AP/CSE, Ms. S. Yuvaprabha, AP/CSE, Ms. E. Kiruthiga, AP/CSE, Mr. S. D. Nanda Kumar, AP/CSE, Ms. P. Uma, AP/CSE, Ms. Shobhanjaly P. Nair, AP/CSE, Mr. M. Lakshmanan, AP/CSE, Ms. R. Poorni, AP/CSE, Mr. A. S. Vibith, AP/CSE, Ms. P. Kaviya, AP/CSE, Mr. R. Gnanavel, AP/CSE, attended one day workshop on "Curriculum Design" organized at Sri Venkateswara College of Engineering", on 18.10.2022.

Dr. R. Anitha, Prof. & HoD/CSE, attended One-day Guest Lecture on "Security Concerns in Internet of Things in Cloud (IoT)" conducted by department of Computer Science and Engineering, SVCE on 18.10.2022.

Dr. R. Anitha, Prof. & HoD/CSE, attended 2 days Workshop on "EAT, TSA, GNA & SNA in PFMS E-Governance" conducted by SVCE on 31.10.22 to 01.11.2022.

Dr. R. Jayabhaduri, Assoc. Prof./CSE, has participated in 2 days Seminar on "Innovative Practices for Quality Enhancement through IQAC in Higher Education Institutions" in collaboration with National Assessment and Accreditation Council at RMK Engineering College, Kavaraipettai, Gummidipoondi Tauk, Thiruvallur District – 601206 during 28.10.2022 and 29.10.2022.

Dr. N. Revathi, Assoc. Prof./CSE, attended a two-day workshop on "EAT, TSA, CNA & SNA IN PFMS E-GOVERNANCE" held at SVCE on 31.10.2022 and 01.11.2022.

Dr. R. Jayabhaduri, Assoc. Prof./CSE, has participated in 2 days Seminar on "Innovative Practices for Quality Enhancement through IQAC in Higher Education Institutions" in collaboration with National Assessment and Accreditation Council at RMK Engineering College, Kavaraipettai, Gummidipoondi Tauk, Thiruvallur District – 601206 during 28.10.2022 and 29.10.2022.

Dr. N. Revathi, Assoc. Prof./CSE, attended a two-day workshop on "EAT, TSA, CNA & SNA IN PFMS E-GOVERNANCE" held at SVCE on 31.10.2022 and 01.11.2022.

Dr. N. Revathi, Assoc. Prof./CSE, attended a 4 days workshop on "Walk through from AI and ML to XAI" organized by the Department of Information Technology, SVCE from 26.10.2022 to 29.10.2022.

Dr. T. Rajasekaran, Assoc. Prof./CSE, participated in One Day online Guest Lecture on "Security Concerns in Internet of Things in Cloud (IoT)" organized by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering held on 20.10.2022.

Dr. T. Rajasekaran, Assoc. Prof./CSE, attended Industrial Training Program on AI & ML organized by Wipro Talentnext during 31.10.2022 to 04.11.2022.

Dr. B. Praveen Kumar, Assoc. Prof./CSE, participated in the One Day online Guest Lecture on "Security Concerns in Internet of Things in Cloud (IoT)" organized by the Department of Computer Science and Engineering, Sri Venkateswara College of Engineering held on 20th OCT 2022.

Mr. K. Srinivasan, AP/CSE attended 5 days FDP on "Cloud Essentials" at Anna University, Chennai from 8.10.2022 to 12.10.2022.

Ms. V. Rajalakshmi, AP/CSE, Ms. R. Gayathri, AP/CSE, Ms. S. Rajalakshmi, AP/CSE, Ms. J. Buvana, AP/CSE, attended Workshop on "Walk through from AI and ML" at Sri Venkateswara College of Engineering from 26.10.2022 to 29.10.2022.

Ms. T. Padmavathy, AP/CSE, attended 5 days online FDP on "Machine Learning for multidisciplinary fields" from 27.10.2022 to 31.10.2022 organized by the Department of Data Science and Business systems SRM in association with RAISE center of excellence powered by MIT square Lond.

Mr. S. D. Nanda Kumar, AP/CSE, Ms. Shobhanjaly P Nair, AP/CSE, Ms. R. Poorni, AP/CSE, attended One day online Guest Lecture on "Security Concerns in Internet of Things in Cloud (IoT)" on 20.10.2022, conducted by Department of CSE, SVCE.

Ms Shobhanjaly P Nair, AP/CSE, one day webinar on “Blockchain Technology” organized by Oracle Academy on 13.10.2022.

Mr. Lakshmanan M, AP/CSE, Ms. R. Poorni, AP/CSE, has attended FDP organized by Intellectual Property Office, India on “National Intellectual Property Awareness Mission” on 11.10.2022.

No. of Faculty members attended NPTEL Courses / Coursera
Ms.V.Radha, AP/CSE, completed an AICTE NITTT course on Module 2- Professional Ethics and Sustainability from July-August 2022.

Ms.V.Radha, AP/CSE, completed an AICTE NITTT course on Module 3- Communication skills, modes and knowledge dissemination from July-August 2022.

Expert Lectures delivered in other college

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.

Ms. Rupakesavan, AP/CSE, acted as resource persons for FDP conducted by Sri Sairam Institute of Technology on “Exploring Augmented Reality/Virtual Reality Using Unity Tool” during 11th July 2022 to 15th July 2022.

Dr. R. Anitha, Prof. & HoD/CSE, acted as an External Examiner for the PG project (ME) Viva voce at Department of Information Science and Technology, CEG campus, Anna University, 6. 7. 2022.

Dr. R. Anitha, Prof. & HoD/CSE, acted as an External Examiner for the PG project (MCA) Viva voce at Department of Information Science and Technology, CEG campus, Anna University, 4.8.2022

Faculty achievements

Dr. P. Vinothiyalakshmi, Assoc. Prof./ CSE, received the recognized Research Supervisor status from Anna University.

Ms. T. Padmavathy, AP/CSE, successfully defended her public viva voce for the thesis titled, “Efficient Categorization, Placement and Migration of Virtual Machines in Cloud SDN Environment” and was awarded Doctoral degree on 21.07.2022.

Ms. D. Vinodha, AP/CSE, successfully defended her public viva voce for the thesis titled, “Novel Secure Data Aggregation Schemes for Wireless Sensor Networks” and was awarded Doctoral degree on 12.08.2022.

Team Hexabyte - comprising of Mr. S. Nikhilesh (Team Lead), Mr. R. Naveen Sriram, Mr. M. U. Poujhit, Mr. E. Rakesh, Ms. V. Sandhya from Final year CSE 'B' with Mr. M. Kishore from Final year ECE 'B' mentored by Mrs. G. Janakasudha, AP/CSE has won the First place with a cash prize of Rs. 1,00,000 in the 36-hour Smart India Hackathon 2022 for the problem titled “Digital solution for reducing food waste sent to landfills” given by International Council for Circular Economy (ICCE) under the domain Clean and Green Technology, conducted by AICTE at the nodal centre National Institute of Technology, Silchar, Assam from 25th to 26th August 2022.

Team Meraki - comprising of Ms. D. Uma Maheshwari (Team Lead), Mr. S. K. Suraj, Ms. D. Saalini from Final year ECE 'C', Mr. Jeffrey Joan, Mr. B. Kumaresh from Final year CSE and Ms. L. Swaeta from EEE mentored by Dr. T. J. Jeyaprabha, Assoc. Prof./ECE and Dr. B Praveen Kumar, Assoc. Prof./CSE has received internship offers for their technical excellence in the 36 hour Smart India Hackathon 2022 for the problem titled "Making career choice and AI-based counseling accessible secondary level along with aptitude tests and detailed career paths", given by the Department of School Education & Literacy (DoSEL), Ministry of Education under the domain Miscellaneous - Software Category, conducted by AICTE at the nodal centre JSS TECHNOLOGICAL UNIVERSITY, Mysore, Karnataka from 25th to 26th August 2022.

Team Blitzkrieg - comprising of Mr. M. Ritunjay (Team Lead), Mr. R. Praveen Raagul, Mr. M. Sankaranarayanan, Mr. S. Tarun, Ms. Shivane Ramesh, Koushik Cherukuri mentored by Mr. K. Srinivasan, AP/CSE has participated in 36 hour Smart India Hackathon 2022 for the problem titled “FORECASTING NATURAL GAS INTERNATIONAL PRICES USING ADVANCED TIME-SERIES TECHNIQUES” under the domain Gas Authority of India Ltd (GAIL) at the nodal centre Noida Institute of Engineering and Technology, Greater Noida, from 25th to 26th August 2022.

Dr. B. Praveen Kumar, Assoc. Prof./CSE mentored a team QuadraFour and won 4th place with an Internship from SAP in the iTech Hackfest A national level Hackathon organized by PSG Institute of Technology and Applied Research in association with SAP for the problem statement Web application for farmers to sell their products directly to consumers at PSG itech, coimbatore from 25th August to 27th August 2022

Mr. P. R. Venkat, Mr. K. Srirangan, Mr. V. A. Siddeshwar and Mr. T. S. Vishnuvasan from the III year AD program of the CSE department and Mr. D. Bennett Joseph from IV year AE department, mentored by Dr. D. Vinodha, AP/CSE, have won the 2nd prize in iTech Hackfest 2022 (A National Level Hackathon) conducted by PSG Institute of Technology and Applied Research in collaboration with SAP and Kaar Technologies from 25-08-2022 to 27-08-2022. They have bagged a total prize amount of Rs.75,000 and were nominated for the Internship offered by SAP.

Dr. R. Anitha, Professor, HoD / CSE mentored a team MicroD in the iTech Hackfest A national level Hackathon organized by PSG Institute of technology and Applied Research in association with SAP for the problem statement, "Developing an app that prompts the users to report the locations of plastic waste and mainly focuses on micro plastics" at PSG itech, Coimbatore from 25th August to 27th August 2022.

Faculty Publications

Rupa Kesavan, AP/CSE, 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).

Mr. S. Narayanan, N. M. Balamurugan, Assoc. Prof./CSE, 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, ASP/CSE, "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, AP/CSE and Dr. J. M. Gnanasekar, ASP/CSE, "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: 0.1109/ICSSS54381.2022.9782241.

Dr. Vinodha, AP/CSE, Ms. T. Padmavathy, AP/CSE, P. R. Venkat, III/AD, published a patent titled "A Low cost and High Actuation Speed 3D Printed Prosthetic Arm" in IPR

Chennai and the same was published in Patent Office Journal 2022.

Dr. T. Rajasekaran, Assoc. Prof./CSE, Dr. B. Praveen Kumar, Assoc. Prof./CSE, Mr. M. Suresh Kumar, Assoc. Prof./CSE, Mr. P. Selvamani, AP/CSE, Mrs. S.U. Muthunagai, AP/CSE, Mrs. R. Iyswarya, AP/CSE, Mrs. S. Poorani, AP/CSE, has published a patent titled "A Wireless Mobile Device Motion Capture Data Mining System And Method Thereof", in IPR Chennai and the same was published in the Patent Office Journal.

Dr. N. M. Balamurugan, Assoc. Prof./CSE, Adimoolam, M. Alsharif, M.H. Uthansakul, P. "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>

Dr. N. M. Balamurugan, Assoc. Prof./CSE, Kannadasan, R. Alsharif, M.H, Uthansakul, P. "A Novel Forward-Propagation Workflow Assessment Method for Malicious Packet Detection". Sensors 2022, 22, 4167. Impact Factor: 3.847 (SCI indexed) <https://doi.org/10.3390/s22114167>

S. Narayanan, Dr. N.M. Balamurugan, Assoc. Prof./CSE, 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>

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

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

Patent publication

Ms. T. Padmavathy, AP/CSE, Ms. S. Janani, AP/CSE, publishing the patent have published a patent titled "IoT-driven AI Inference System for Home Energy Management System in Smart Cities", in IPR and the same was published in the Patent Office Journal, 22/7/2022.

Dr. P. Geetha, AP/CSE, Dr Dipesh M Patel, Dr Mukesh Kumar, Mr Vimal Kumar Singh, Dr Ghayathri, Ramesh Chandra Panda and Dr P Karthigeyan, granted a Design patent titled "Hydroponic Plant Stand", on 19/8/2022.

Dr. B. Praveen Kumar, Assoc. Prof./CSE, Mr. M. Suresh Kumar, AP/CSE, Mr. P. Selvamani, AP/CSE, Mrs. S.U. Muthunagai, AP/CSE, Mrs. R. Iyswarya, AP/CSE, Mrs. S. Poorani AP/CSE, has published a patent titled "A Wireless Mobile Device Motion Capture Data Mining System And Method Thereof", in IPR Chennai and the same was published in the Patent Office Journal.

Mr. K. Prabu, Ms. T. Padmavathy, AP/CSE, Ms. S. Janani, AP/CSE, Dr. V. Vignaraj Ananth, Ms. R. Jayabharathi, Mr. Arunkumar Palanichamy, Ms. A. Abinaya, Mr. Peerzada Hamid Ahmad, Dr. T. Manikandan, published a patent titled "IoT-driven AI Inference System for Home Energy Management System in Smart Cities", on 22.7.2022.

Dr. C. R. Rene Robin, Dr. D. Doreen Hephzibah Miriam, Ms. M. S. Jayalakshmi, AP/CSE, Dr. P. Geetha, AP/CSE, Dr. Dipesh M Patel, Dr. Mukesh Kumar, Mr. Vimal Kumar Singh, Dr. Ghayathri, Prof. Ramesh Chandra Panda and Dr. P. Karthigeyan, granted a Design patent titled "Hydroponic Plant Stand", on 19.8.2022.

Students' Achievement

Mr. P. R. Venkat, II/AD, Mr. S. Subburaj, Dr. D. Vinodha, AP/CSE, Dr. E. A. Mary Anita, Ms. T Padmavathy, AP/CSE, Dr. A. K. Sujatha, Dr. J. Jenefa, Dr. R. Barona, Ms. S. Sajini, published a patent titled "A Low cost and High Actuation Speed 3D Printed Prosthetic Arm", on 2.9.2022.

Mr. T. S. Vishnuvasan, Mr. S. Ganeshh and Mr. T. P. Praveen Rajan, III/AD have successfully completed their internship with PALS from April 2022 till Jun 2022. Also received a letter of appreciation from PALS and a recognition amount of Rs3000 each for their contribution to PALS Portal development using Retool - A low code no code platform.

Mr. B. Divyamsh, II/AD has participated in 24 hour event - Yet Another Hackathon '22 organized by SVCE ACM Student Chapter at Sri Venkateswara College of Engineering on 30/07/2022 and 31/07/2022.

Ms. Neha Bhende, has completed in a 6-week Training cum Internship in "Security Intelligence" conducted by All Soft Solutions, India from 19th July 2022 to 27th August 2022.

Mr. R. Iyyappan, II/AD has participated in 24 hour event - Yet Another Hackathon '22 organized by SVCE ACM Student Chapter at Sri Venkateswara College of Engineering on 30/07/2022 and 31/07/2022.

Mr. P. R. Venkat, Mr. K. Srirangan, Mr. V. A. Siddeshwar and Mr. T. Vishnuvasan, III/AD and Mr. D. Bennett Joseph, IV/AE have won the 2nd prize and bagged a total prize amount of Rs.75,000 in iTech Hackfest 2022. A National Level Hackathon conducted by PSG Institute of Technology and Applied Research in collaboration with SAP and Kaar Technologies from 25.08.2022 to 27.08.2022.

Mr. B. Prathosh, Mr. M. Maanesh, Mr. Pradhesh Kumar and Mr. H. M. Mohammed Nooh, III/CS, have won 4th place in National Level iTech Hackfest 2022 organized by PSG institute of technology and applied research in collaboration with SAP and Kaar technologies. It's proud that out of 120 teams participated in a 48 hours hackathon our students were among the Top 5 teams and were nominated for the Internship offered by SAP.

Mr. S. Nikhilesh (Team Lead), Mr. R. Naveen Sriram, Mr. M. U. Poujhit, Mr. E. Rakesh, Ms. V. Sandhya, IV/CS mentored by Mrs. G. Janakasudha, AP/CSE, has won the First place with a cash prize of Rs. 1,00,000 in the 36 hour Smart India Hackathon 2022, two Days Online National Workshop on Edge Computing and its Applications for the problem titled "Digital solution for reducing food waste sent to landfills" given by International Council for Circular Economy (ICCE) under the domain Clean and Green Technology, conducted by AICTE at the nodal centre National Institute of Technology, Silchar, Assam from 25th to 26th August 2022.

Ms. V. Janani, II/AD has participated in 24 hour event - Yet Another Hackathon '22 organized by SVCE ACM Student Chapter at Sri Venkateswara College of Engineering on 30/07/2022 and 31/07/2022.

Mr. M. Maanesh, Mr. Mohamadh Nooh, Mr. Pradesh Kumar, Mr. Lekshman Babu, under the guidance of Dr. B. Praveen Kumar, Assoc. Prof./CSE and Mr. V. V. S. Tarun, Mr. Lakshmi Narayanan, Mr. G. Karthikram, under the guidance of Ms. R. Iyswarya, AP/CSE has won 3rd place with a cash prize of Rs.20,000 in 72-hour long triathlon conducted by Vivekananda Global University, Jaipur. The participants have to build a project that utilizes AI/ML /AGRITTECH. Out of 200 teams from different parts of the country, it's proud that our students were among the Top 3 teams.

Mr. B. Divyamsh, Mr. R. Iyappan, Mr. S. Nandha Kumar, and Mr. Pranav Vignesh, mentored by Dr. N. M. Balamurugan, Assoc. Prof./CSE, have bagged the 1st position in HACK IN HUB '22, a 24hrs National Level Hackathon at Sairam Institute of Technology on 19th and 20th October. More than 150 teams registered by submitting abstracts out of which 20 teams were selected for the final round. The team made an AI based Smart Classroom project which includes Smart Attendance, emotional analysis, posture analysis, drowsiness detection of students and summarisation of teachers' lectures. There were three rounds of judging and our module won first place and was honoured with the certificates and cash prize of Rs.5000.

Mr. Maanesh, Mr. Mohammedh Nooh, III/CS, received Best UI/UX award in Hackerrupt'22, ACE CLUB of SVCE IIT Research park on 9.10.2022 to 10.10.2022.

Ms. R. Madhumitha, Mr. Marvesh, III/CS, won in "QUIZ ON CYBER SECURITY" at SIMATS: Saveetha School of Engineering 31.10.2022.

Students underwent Intern/ InPlant Training

Mr. B. Kumaresh, IV/CS underwent intern at Zoho from August 2022.

Mr. K. Srinivasan, IV/CS underwent intern at Zoho Corporation from August 2022.

Ms. C. Benita Majo, IV/CS underwent intern at Facilio from August 2022.

Mr. B. Naveen, IV/CS underwent intern at ZOHO from August 2022.

Ms. V. Sandhya, IV/CS underwent intern at Testsigma from August 2022.

Mr. V. Vasanth, IV/CS underwent intern at Facilio from August 2022.

Mr. S. Tarun, IV/CS underwent intern at Celestica R and D India from August 2022.

Mr. S. Ashik meeran mohideen, IV/CS underwent intern at ZOHO CORPORATION PVT LTD from August 2022.

Ms. G. Soundharya, IV/CS underwent intern at ZOHO Corporation Private Limited from August 2022.

Ms. S. Saineha, IV/CS underwent intern at Zoho from August 2022.

Mr. K. Gokul Krishna, IV/CS underwent intern at Zoho Corporation Private limited from August 2022.

Mr. D. Abhishek, IV/CS underwent intern at Zoho Corporation Private Limited from August 2022.

Ms. B. Varsha, IV/CS underwent intern at Zoho from August 2022.

Mr. M. U. Poujhit, IV/CS underwent intern at Intugine Technologies from August 2022.

Mr. S. Nikhilesh, IV/CS underwent intern at Mad Street Den from August 2022.

Mr. M. V. Ganesh Kumar, IV/CS underwent intern at Zoho Corporation from August 2022.

Ms. Y. Srilekha, IV/CS underwent intern at M/s Zoho Corporation from August 2022.

Department of Electrical and Electronics Engineering

Workshops/FDPs/Conferences

Ms. Anitha S, AP/EEE, completed an 8-week NPTEL course on Embedded System Design with ARM from IIT-Delhi, from 1st July to 1st September, 2022.

Ms. Anitha S, AP/EEE, attended GIAN workshop on Programmable Controllers with Machine learning conducted by the dept. of CSE at NIT-Tiruchy from 25th -29th July, 2022.

Ms. Anitha S, AP/EEE, attended a workshop on “Designing and Modeling of IoT, AI & ML Systems” conducted by AICTE, Arm Education, STMicroelectronics from 1st -5th August, 2022.

Dr Sudhakar KB, Professor/EEE attended one day workshop on Innovation Ambassador Training "Foundation Level" on 03.08.2022.

Ms S Anitha, AP/EEE participated five days online FDP on “Designing and Modelling of IoT, AI & ML Systems” organised by AICTE Arm Education, STMicroelectronics from 01.08.2022 to 05.08.2022

Dr D Amudhavalli, AP/EEE attended five days online FDP on “Advanced Technologies in Electrical Engineering Research” organized by Sri Sai Ram Institute of Technology, from 01.08.2022 to 05.08.2022

Dr. Sankar M, AP/EEE, attended a Matlab workshop on Machine Learning with MATLAB conducted by Mathworks Training Services on 10.08.2022

Dr. Venkatesh RJ, AP/EEE, attended a four-week online MooC course on “Inclusive Teaching and Learning” conducted by Commonwealth of Learning (COL), Canada from 5th to 30th September, 2022.

Dr. Sankar M, AP/EEE, attended a workshop on “Simulink Onramp” conducted by Mathworks Training Services from 27.09.2022 to 29.09.2022

Dr. C Gopinath, Dr S S Sethuraman, Associate Professors, Ms N Shanmugavadivu and Dr C Venkatesan, AP participated four days online FDP on “Renewable Energy Systems Laboratory” organised by SSN College of Engineering from 26.09.2022 to 29.09.2022.

Mr D S Purushothaman, AP/EEE attended three days online workshop on “IIT PALS VLAB” organized by NIT Surathkal from 19.10.2022 to 21.10.2022.

All the faculty members of EEE department attended the workshop on “Curriculum Design” by SVCE on 18th October, 2022.

Student Achievements

Mr. Srinivasan Vijayaraghavan of III-year EEE, won first place in the ATHENS OF THE EAST, 2nd international Grand Master Open Chess Tournament 2022- Category B at Hotel Thangan Grand Madurai and has received a prize amount of Rs. 60,000/-



Dhanush Ragav P, III-year EEE, participated in a Leadership Program organized by the District Rotaract Council, Chennai from 07th to 9th Oct 2022 and won the Rotary Youth Leadership Award 2022-23 and received a trophy for the 'Best Male RYLarian' award for the excellent Leadership Qualities exhibited by him.



Students of final year EEE (2019-23) batch, Monish Kumar GS, Vignesh P, Kamalesh P, Diwakar KS were offered paid internships at Zoho Corporation Private Limited.

Faculty Publications

Dr.R.Kannadasan, AP/EEE has published a paper titled as "Case Study on Renewable Energy Sources Power Demand, and Policies in the States of South India—Development of a Thermoelectric Model" in MDPI journal, Vol. 14, no.14, pp. 8882,2022.

Dr.R.Kannadasan, AP/EEE has published a paper titled as "An improved intelligent technique for maximum power point tracking under partial shading conditions of photo voltaic system" in the Journal of intelligent and fuzzy systems, IOP press.

DOI: 10.3233/JIFS-220892,2022.

Dr.R.Kannadasan, AP/EEE has published a paper titled as "Target Object Detection from Unmanned Aerial Vehicle (UAV) Images Based on Improved YOLO Algorithm", in MDPI journal, Vol. 11, 2343,2022.

<https://doi.org/10.3390/electronics11152343>

Sudharsanam S, AP/EEE, Sasikala M, AP/EEE and Dr. Sudhakar K Bharatan Professor/EEE published a paper titled "Simulation of Molybdenum Disulfide based MOSFET Device using COMSOL Multiphysics software" in Journal of Physics: Conference Series. doi:10.1088/1742-6596/2312/1/012057

Dr. R. Karthikeyan, ASP/EEE published a paper titled "A Soft Magnetic Composite Blank for Switched Reluctance Motor: Vibration and Acoustic Noise Study", in Journal of Vibration Engineering & Technologies, Springer, October 2022. doi.org/10.1007/s42417-022-00718-2

Faculty as Resource Person

Dr. K.R. Santha, Vice-Principal, IIC President, visited Kongunadu College of Engineering & Technology, Tiruchy, as an expert member for reviewing their Innovation Cell activities as part of Mentor Mentee scheme on 18th August, 2022.

She addressed the dignitaries and also handled a sessions on "Innovations in Engineering".



Dr.Sudhakar K B, Professor & Innovation Ambassador /EEE presented a seminar on "Developing Online Repository Start-ups Developed /Incubated Developed and Way forward Plan (Quarter –IV IIC Activity) on 22.08.2022, from 6 Pm to 7 Pm through Google meet platform.



Dr. C. Gopinath, ASP/EE, acted as session chair in the three day International conference on “Sustainable Materials and Technologies for Bio and Energy Applications, SMTBEA-2022” during 13-15 July 2022 at SSN Institutions, Chennai.

Also he has acted as session chair for an International conference “Challenges and Opportunities In Renewable Energy, Smart Systems And E-Mobility”(course- 2022) held at Easwari Engineering College during 7th-8th October 2022.

He has delivered a special lecture on “Intellectual Property Rights - Overview, patent criteria, patent search and filing procedure” organized by Alagappa Chettiaar Govt. College of Engineering on 18th August, 2022.

Interaction between SVCE and IIT Madras:

Faculty members from the Department of Electrical and Electronics Engineering Mr. S.Sudharsanam, AP/EEE, Mr. M.Ranjith Kumar, AP/EEE, Mrs.S.Sinthamani, AP/EEE got selected to execute projects at IIT Madras under Indian Nano Electronics User Program (INUP) supported by the Ministry of Electronics and Information Technology (MeitY), GOI.

They will execute various projects under INUP scheme, and utilize the nano fabrication and characterization facilities established at the Centre for Nanoelectro Mechanical Systems and Nanophotonics (CNNP), IIT Madras for a maximum period of 6 months under the guidance of Dr.Sudhakar K B, Professor/EEE and Coordinator/ iNRC, SVCE

Expert Lectures

Association of Electrical and Electronic Engineers organised a Guest Lecture On “Artificial Intelligence And Data Analytics For Electrical Engineers” on 25th August, 2022. Mrs. Mythily Rajavelu, Vice President, Sr. Tech Manager, Bank of America was the guest speaker.

The guest speaker, Mrs. Mythily Rajavelu spoke about the basics of Artificial intelligence and data analytics. She elaborated by quoting examples from the field. The entire working and advantages of data analytics and AI was clearly explained with an example of substation at a certain location which is under construction and establishment.



AEEE Inauguration and Guest Lecture

Inauguration of AEEE (AY 2022-23) was held on 20th October, 2022, followed by a guest lecture on “BESS - Battery Energy Storage systems (Grid-scale)” at Function Hall, SVCE. The event started by 11:30AM. Aravind Takshan of 2nd year EEE presented the welcome address. The chief guest was introduced by Dr. Sudhakar K Bharathan, Professor & AHOD/EEE.

The guest speaker, Mr. R. Annamalai presented his guest lecture by explaining the various renewable resources like solar, wind, etc., their intermittent nature, challenges in integrating it to the power grid and the need for grid-scale energy storage technologies to optimize extraction of renewable energy. He briefed on the various grid-scale battery energy storage technologies feasible and presently used in Power Grid Corporation.



Events Organised

Exhibition On Wheels - Expotainer

The Department of Electrical and Electronics Engineering in association with M/S Festo India Pvt. Ltd. organised an Exhibition on “The Expotainer” on 10th October 2022.

The Festo Expotainer is a custom built fully equipped, air-conditioned exhibition vehicle built on Volvo Chassis having a wide range of static and dynamic displays of latest products.



Final year and third year students of Electrical and Electronics, Mechanical and Automobile students visited the Expotainer and benefited.

The Expotainer was parked near OAT for students to visit from 9.30AM to 3.00PM as per the schedule. Teaching Faculty and Supporting staff visited from 3.00PM to 4.00PM. The students and staff got benefited on knowing the components and processes of Industrial Automation.



NAAC Team Visit

The NAAC expert team performed a two-day visit to SVCE on 29th and 30th September, 2022. During second day of the visit they have visited the center facility Interdisciplinary Nano Research Center (iNRC). Dr. Sudhakar K Bharatan, Professor/EEE has explained the facilities available in the DST-FIST sponsored research centre and the ongoing research at the centre to the expert team.



Department of Information Technology

Workshops/FDPs/Conferences Participated

Dr. V. Vidhya, HOD/INT attended Two days National Level Online Workshop on “Master the Communication Processes using Gmail” organized by Scrollwell on 05.07.2022 and 06.07.2022.

Dr. V. Vidhya HOD/INT, attended Two-Day Workshop on “EAT, TSA, CNA & SNA IN PFMS E-GOVERNANCE” organized by SVCE from 31.10.2022 to 01.11.2022.

Dr. T. Sukumar AHOD/INT, attended One Week STTP on “Digital Tools for Faculty and Staff” organized by NITTR from 11.07.2022 to 15.07.2022.

Dr. T. Sukumar, AHOD/INT attended the conference Bridge

Bridge 2022 – Chennai (A high Impact Industry-Institute Interaction Event of India) organized by ICT Academy on 13.07.2022.

Dr. T. Sukumar AHOD/INT, attended the GRADSCON 2022 conference from 20.10.2022 to 22.10.2022.

Dr. T. Sukumar AHOD/INT, attended AICTE FDP on “Inculcating Universal Human Values in Technical Education” from 31.10.2022 to 04.11.2022.

Dr. G. Sumathi Prof/INT & Mr. E. Sivakumar AP/INT attended Online workshop on “Linear Algebra for Computer Science and Machine Learning” organized by NPTEL, IITM on 24.09.2022 and 25.09.2022.

Dr. N. Gobalakrishnan ASP/INT attended Two Weeks International FDP on Data Science Tools Organized by Easwari Engineering College from 07.10.2022 to 20.10.2022.

Dr. N. Devi ASP/INT, Dr. P. Leela Rani AP/INT & Mr. AR. Guru Gokul AP/INT attended One Week FDP on “Foundations on Data Science” organized by VNR Vignana Jyothi Institute of Engineering and Technology from 02.08.2022 to 07.08.2022.

Dr. N. Devi ASP/INT, Dr. P. Leela Rani AP/INT & Mr. AR. Guru Gokul AP/INT attended and presented the paper titled “Ensemble Learning Models: A Review” in the 3rd national level virtual conference on Recent Advances in Technology & engineering on 14.10.2022 & 15.10.2022.

Dr. N. Devi ASP/INT, Dr. P. Leela Rani AP/INT & Mr. AR. Guru Gokul AP/INT attended Azure Community Conference on 20.10.2022 & 21.10.2022.

Dr. N. Devi ASP/INT, Dr. A. Kala AP/INT, Ms. K. Kiruthika Devi AP/INT, Dr. P. Sharon Femi AP/INT, Dr. P. Leela Rani AP/INT, Ms. R. Saktheeswari AP/INT, Ms. S. Jerusha AP/INT, Mr. V. Ranjith AP/INT, Mr. AR. Guru Gokul AP/INT, Mr. E. Sivakumar AP/INT, Ms. P. Meenakshi AP/INT, Mr. V. Praveenkumar AP/INT and Ms. S. Kavishree AP/INT attended One day workshop on “Curriculum Design” organized by SVCE on 28.10.2022.

Dr. D. Jayanthi ASP/INT attended webinar on “MATLAB & Python for AI” Organized by Mathworks on 26.07.2022.

Dr. D. Jayanthi ASP/INT, Ms. K. Kiruthika Devi AP/INT, Ms. S. Kalavathi AP/INT, Ms. N. Uma AP/INT, MS. S. Jerusha AP/INT, Ms. P. Meenakshi AP/INT & Ms. S. Kavishree AP/INT attended Four Days workshop on “Walkthrough from AI & ML to XAI” organized by SVCE from 26.10.2022 to 29.10.2022.

Dr. A. Kala AP/INT, Dr. P. Sharon Femi AP/INT, Ms. A. Indumathi AP/INT, Ms. N. Uma AP/INT & Ms. P. Meenakshi AP/INT attended Five days online workshop on “Quantum Computing and its Applications” organized by SVCE from 19.09.2022 to 23.09.2022.

Dr. A. Kala AP/INT, Ms. K. Kiruthika Devi AP/INT, Dr. P. Sharon Femi AP/INT, Ms. P. Meenakshi AP/INT & Mr. S. Aravind Kumar AP/INT attended Webinar on “Analytics in HR” Organized by Imarticus Academy on 23.09.2022.

Ms. K. Kiruthika Devi AP/INT, attended and presented the paper titled “Ensemble learning based feature selection for detection of spam in the twitter network” in the International Conference on Paradigms of communication, computing and data sciences from 05.07.2022 to 07.07.2022.

Dr. A. Kala AP/INT, Ms. K. Kiruthika Devi AP/INT, Dr. P. Sharon Femi AP/INT, Ms. P. Meenakshi AP/INT & Mr. S. Aravind Kumar AP/INT attended Webinar on “Analytics in HR” Organized by Imarticus Academy on 23.09.2022.

Ms. K. Kiruthika Devi AP/INT, attended and presented the paper titled “Ensemble learning based feature selection for detection of spam in the twitter network” in the International Conference on Paradigms of communication, computing and data sciences from 05.07.2022 to 07.07.2022.

Ms. R. Saktheeswari AP/INT, attended FDP on Artificial Engineering & Machine Language organized by PALS, IITM on 28.10.2022.

Achievements

Dr. T. Sukumar AHOD/INT delivered the technical talk on “Cyber Security in Engineering Applications” and received the Best Presentation Award (Third Prize) in the 2022 1st International Conference on Computational Social Sciences and Sustainability 2022 7th International Symposium on multi-disciplinary Inclusiveness, Education, Management and Law Services on 05.07.2022.



Dr. D. Jayanthi ASP/INT chaired the sessions for International Conference on Emerging Trends in Science, Engineering & Technology (ICETSET 2022) held on 07.07.2022 and 08.07.2022 at Jerusalem College of Engineering.

Student's Achievement

Ms. S. Pragatheeswar of II year is awarded Best Sophomore Team in the 24 hour event- Yet Another Hackathon '22 conducted by SVCE ACM Student Chapter at Sri Venkateswara College of Engineering conducted on July 30 and 31, 2022.

The Team Keras comprising of Ajay Kumar R(Team Lead), Aarthi K, Ajay R,Badri Narayanan R,Chandra Moulie from IV year (2018-22 Batch) mentored by Ms.K. Kiruthika Devi, AP/INT and Ms.B.T.Shobana, AP/INT participated in the Grand Finale Smart India Hackathon 2022 - Software Edition, conducted by AICTE at the nodal centre G.PULLAIAH college of Engineering, Kurnool, Andhra Pradesh from 25th August to 26th August 2022.



Mr. K. Chithaprabhakaran and Mr.P.Dharnish of II year INT 'A' secured the Third position with a cash prize of Rs. 1000/- in Duo Developers event at St.Joseph's College of Engineering, OMR, Chennai held on 17th September 2022 under the mentorship of Dr.P.Sharon Femi, AP/INT.



Mr.S.Pragatheeshwar of II year INT 'B' secured the First position in Paper Presentation event for the paper titled "AI based solution for blind people" held at SIMATS School of Engineering on 19th September 2022 under the mentorship of Dr.D.Jayanthi, ASP/INT.



Mr.Sri Harihara sudhan, Ms. Swetha sri .I and Ms. Vidhya shree SK. of II year INT 'B' secured the Third position in Paper Presentation event for the paper titled "Code red" held at SIMATS School of Engineering on 19th September 2022 under the mentorship of Dr.V.Vidhya, Prof/INT.



Mr.G.Nithishwar of II year INT 'B' secured the First position in Quiz event held at SIMATS School of Engineering on 19th September 2022 under the mentorship of Dr.D.Jayanthi, ASP/INT.



Ms. Padmanjali of II year INT 'B' secured the First position in Debate event held at SIMATS School of Engineering on 19th September 2022 under the mentorship of Dr.D.Jayanthi, ASP/INT.

Mr.S.Roheth of III year INT 'B' secured the First position with a cash amount of Rs. 1000 in Technical Quiz event held at St.Joseph College of Engineering, Sriperumbudur on 23rd September 2022 under the mentorship of Dr.N.Gobalakrishnan, ASP/INT.



Mr.K.Santhosh of III year INT 'B' secured the Second position with a cash amount of Rs. 500 in Technical Quiz event held at St.Joseph College of Engineering, Sriperumbudur on 23rd September 2022 under the mentorship of Dr.N.Gobalakrishnan, ASP/INT.



Mr.S.Roshaan of III year INT 'B' secured the First position with a cash amount of Rs. 1000 in Bug Fix event held at St.Joseph College of Engineering, Sriperumbudur on 23rd September 2022 under the mentorship of Dr.N.Gobalakrishnan, ASP/INT



Mr.Sharan S and Ms. Shreya R of III year INT 'B' secured the First position with a cash amount of Rs. 2000 in Unknown Fig- UI/UX Design event held at Sri Sai Ram Engineering College on 28th and 29th September, 2022 under the mentorship of Dr.P.Sharon Femi,AP/INT.



Mr. .S. Roheth, Mr.S. Roshaan, Mr.K.Santhosh of III year INT 'B' secured the First position with a cash amount of Rs. 1000 in Paper Presentation event held at St.Joseph College of Engineering, Sriperumbudur on 23rd September 2022 under the mentorship of Dr.N.Gobalakrishnan, ASP/INT



Mr.S. Roheth, Mr.S. Roshaan and Mr.K.Santhosh of III year INT 'B' secured the Third position with a cash amount of Rs. 500 in "Hack-Wheel",On-Spot-Topic Hackathon event held at Loyola-ICAM College of Engineering on 8th October 2022 under the mentorship of Dr. N. Gobalakrishnan, ASP/INT.



Mr. Madhavan B, Mr. Hariharan S, and Mr. Mohammed sakeeb M H of III year INT 'A' secured the Second position with a cash amount of Rs. 500 in Paper Presentation event held at St.Joseph College of Engineering, Sriperumbudur on 23rd September 2022 under the mentorship of Mr.V.Praveenkumar, AP/INT.



Mr.S. Roheth, Mr.S. Roshaan and Mr.K.Santhosh and Mr.S.Pranav of III year INT 'B' secured the First position with a cash amount of Rs. 2000 in Quibbler- Project presentation event held at Sri Sai Ram Engineering College on 7th October 2022 under the mentorship of Dr.D.Jayanthi, ASP/INT.



Mr.Sivadhas. S of III year INT 'B' secured the Second position with a cash amount of Rs. 1500 in Debugging event held at Sri Sai Ram Engineering College on 7th October 2022 under the mentorship of Ms.S.Jerusha, AP/INT.



Mr.Sharan. S of III year INT 'B' secured the First position with a cash amount of Rs. 2000 in You & I- UI/UX event held at Sri Sai Ram Engineering College on 7th October 2022 under the mentorship of Dr.P.Sharon Femi,AP/INT.



Mr.Sharan S and Ms. Shreya R of III year INT 'B' secured the First position with a cash amount of Rs. 3000 in UX'PLORER- UI/UX Design event held at St.Joseph Institute of Technology on 8th October 2022 under the mentorship of Ms.A.Kala,AP/INT.



Mr.Kaushick VS, Mr. Anirudh.S and Mr. Rahul MC of II year INT secured the Second position with a cash amount of Rs. 2000 in Shark Tank- Business Idea Presentation event held at St.Joseph Institute of Technology on 8th October 2022 under the mentorship of Ms.A.Indumathi,AP/INT.

Mr.Kaushick VS, Mr. Anirudh.S and Mr. Rahul MC of II year IT secured the Second position with a cash amount of Rs.2000 in Haijo- Quiz event held at St.Joseph Institute of Technology on 8th October 2022 under the mentorship of Dr.K.Suresh, AP/INT.



Ms.Swetha, Ms. Sahana and Mr. Navin Raj. RS of III year INT 'B' received Runner-up position in House of High Table - Paper Presentation Pitching Event for the paper titled " Image Concealing" held at Loyola-ICAM College Of Engineering And Technology on 8th October 2022 under the mentorship of Ms. R.Saktheeswari, AP/INT

Mr.Sundaram S of III year INT 'B' won First Place in the App development in Compose camp event organized by Google developers Student Club at Sri Venkateswara College of Engineering on 27th and 28th September 2022

Navin Raj. RS and Nagarajan E of III year INT 'B' won First Place in the "Paper Presentation Event" for the paper titled " Image Concealing" at Sri Venkateswara College of Engineering Organized by Google Developers Students Club on 27th and 28th September 2022 under the mentorship of Ms. R.Saktheeswari, AP/INT

Mr.S.Pragatheeshwar, Ms.Oviya Srinivasan, Ms.K.Sowndariya of II year INT 'B' secured the First position with a cash prize of Rs.750 in Paper Presentation event for the paper titled "Third Eye" held at Sri Sairam Institute of Technology" on 20th October 2022 under the mentorship of Dr.D.Jayanthi, ASP/INT.



Extra-curricular Activities

Mr.S.Yogitha of II year INT 'B' secured the First position in Art event held at SIMATS School of Engineering on 19th September 2022 under the mentorship of Mr.E.Sivakumar, AP/INT.

Ms. Shreya R of III year INT 'B' secured the Third position with a cash amount of Rs. 500 in VJ Hunt event held at Sri Sai Ram Engineering College on 7th October 2022 under the mentorship of Ms.A.Kala,AP/INT.



NCC

Mr. Jisshnu H.J (Rank: Cadet Warrant Officer (CWO) with Regimental No.: TN20SDF969014 and Unit: 1(TN) AIR SQN NCC from Madras-B group) of III year IT 'A' is the only cadet from Chennai district to be selected to attend the 75th Independence Day at Red fort. He got the privilege to handshake with our Honorable Prime Minister of India, Shri. Narendra Modi. He received Independence Day camp certificate formally from Lt Col J M Joshi - Camp Commandant of 5 TN Girls Battalion NCC, Coimbatore at DG NCC Camp site, Delhi



Faculty Publications

Kala, S.Ganesh Vaidyanathan, P.Sharon Femi,"CEEMDAN hybridised with LSTM model for forecasting monthly rainfall", Journal of Intelligent and Fuzzy Systems,Vol. 43, no. 3, pp. 2609-2617.

Manikandan Gunasekar, Gobalakrishnan Natesan and Duraimurugan Samiayya,"Multi-objective moth swarm based sailfish model for optimal routing in wireless sensor network", Concurrency and Computation: Practice and Experience, Vol 34, No 21.

Gobalakrishnan Natesan, Javid Ali, Pradeep Krishnadoss, Raman Chidambaram and Manikandan Najappan,"Optimization Techniques for Task Scheduling Criteria in IaaS Cloud Computing Atmosphere Using Nature Inspired Hybrid Spotted Hyena Optimization Algorithm", Concurrency and Computation: Practice and Experience, Vol 34, No 24.

K.Suresh, V.Ranjith, "Enhanced Metaheuristic Algorithm-Based Load Balancing in a 5G Cloud Radio Access Network", Electronics, Vol. 11, No 21.

Expert Lectures

Dr. T. Sukumar AHOD/INT acted as Keynote Speaker and delivered the Technical Talk on "Intelligent Information Processing" in the 2022 7th International Conference on Intelligent Information Processing Buchart, Romania, ICILP 2022, Romanian American University on 30.09.2022.

Dr. D. Jayanthi, ASP/INT delivered a technical talk on "Deep Learning" for International Conference on Emerging Trends in Science, Engineering & Technology organized by Jerusalem College of Engineering on 07.07.2022 and 08.07.2022.

Dr. V. M. Sivagami ASP/INT acted as Resource person in the Excel Workshop organized by MOP Vaishnav College for Women on 16.09.2022.

Mr. V. Ranjith AP/INT delivered an Expert Talk on "Maximum flow algorithm (Design and Analysis of algorithm)" organized by Velammal Institute of Technology on 27.10.2022.

Mr. A. Thiagarajan AP/INT delivered an Expert Talk on "JavaFX (Object Oriented Programming) organized by Velammal Institute of Technology on 28.10.2022.

Dr. A. Kala AP/INT delivered an Expert Talk on "Pandas and Numpy packages" in the Four Day Workshop On "Walkthrough from AI & ML to XAI" from 26.10.2022 to 29.10.2022.

Dr. P. Sharon Femi AP/INT delivered an Expert Talk on "Statistics and Probability in Data Science" in the Four Day Workshop On "Walkthrough from AI & ML to XAI" from 26.10.2022 to 29.10.2022.

Ms. R. Saktheeswari AP/INT delivered an Expert Talk on "Data Visualization Techniques" in the Four Day Workshop On "Walkthrough from AI & ML to XAI" from 26.10.2022 to 29.10.2022.

Dr. D.Jayanthi ASP/INT delivered an Expert Talk on "Exploratory Data Analysis and Web Scrapping techniques" in the Four Day Workshop On "Walkthrough from AI & ML to XAI" from 26.10.2022 to 29.10.2022.

Events Organised

Dr. V.Vidhya HOD/INT, Mr. V. Ranjith AP/INT organized a Guest Lecture on "Recent Advancements in Artificial Intelligence and Data Analysis" on 21.10.2022.

Dr. V. Vidhya HOD/INT, Dr. A. Kala AP/INT, Dr. P. Sharon Femi AP/INT and Ms. R. Saktheeswari AP/INT organized Four Day Workshop On "Walkthrough from AI & ML to XAI" from 26.10.2022 to 29.10.2022.

Dr. G. Sumathi Prof./INT, Mr. V. Praveenkumar AP/INT & Ms. S. Kavishree AP/INT organized Five Day Online Workshop on "Quantum Computing and its Applications" from 19.09.2022 to 23.09.2022.



Dr. P. Leela Rani ASP/INT & Mr. AR. Guru Gokul AP/INT organized Two Days Workshop on "EAT, TSA, CNA & SNA IN PFMS E-GOVERNANCE" from 31.10.2022 to 01.11.2022.

Department of Marine Engineering

Workshops/FDPs/Conferences

Mr V Gurusamy, Associate Professor, Marine Engineering has attended the Two days national level workshop on Master the communication processes using gmail from 30.07.2022 to 31.07.2022 organized by Scolwell India Pvt. Limited.

As a part of the Expert Committee, Mr V Gurusamy, Associate Professor, Marine Engineering, has visited the Kongu Arts and Science College, Erode to review the activities of IIC-KASC on 12.08.2022.



Dr.M.Anandan, Associate Professor of Marine Engineering department attended the two days National Seminar on "IIQA, SSR, DVV and Peer Team visit: Modalities and Guidelines for HEIs" during 15 & 16 Sept 2022.

Dr.M.Anandan, Associate Professor of Marine Engineering department attended "One day workshop on curriculum design" on 18 Oct 2022 at SVCE.

Mr V Gurusamy, Associate Professor, has undergone Innovation Ambassador (IA) training "Advanced Level" (Total of 15 sessions of 30 contact hours) conducted in online mode by MoE's Innovation Cell & AICTE during the IIC calendar year 2022-23.

Student's Achievement

Cadet Abishek kumar.R, Final year,Marine Engineering had participated in Wall magazine cum poster making competition organized by electrical literacy club at SVCE on 10th October 2022

Cadet Yuvaraj.V,Final year,Marine Engineering had participated in Wall magazine cum poster making competition organized by electrical literacy club at SVCE on 10th October 2022

Cadet Abishek Kumar R,Final year,Marine Engineering had attended the boot camp on Additive manufacturing organized by SKILL LYNC on 12th October 2022.

Cadet kishore Maheshwaran.M,Final year,Marine Engineering had attended the boot camp on Data science from choice to necessity organized by SKILL LYNC on 12th October 2022.

Cadet kishore Maheshwaran.M,Final year,Marine Engineering had attended the boot camp on Additive manufacturing organized by SKILL LYNC on 12th October 2022.

Expert Lectures

The Guest Lecture was organized on the Topic “Artificial Intelligence-Applications to Marine Engines” on 7.9.22 Presented by Dr.Ganesan Kaliyaperumal, Chairperson and Professor of higher academic grade, VIT Business school.

Events Organised

Dr.M.Anandan, Associate Professor of Marine Engineering department organised an expert talk on “CAREER OPPORTUNITIES IN ARMED FORCES” by Col. Sampath Gopalan (Rtd.), Former Vice President, SSB on Tuesday, 2nd August 2022 (09.30 am to 10.30 am) in the Seminar Hall, Central Library, SVCE

Mr.V.Gurusamy, Associate Professor, Marine Engineering has coordinated and participated in the one-day workshop on Curriculum Design on 18.10.2022 organised by the office of the Controller of Examinations.

Dr.M.Anandan, Associate Professor of Marine Engineering department organised “Unity Day pledge” on 31 October 2022 on the occasion of National Unity Day. Marine cadets were administered the unity day pledge.



Mr.V.Gurusamy, Associate Professor, Marine Engineering, has coordinated the two-day workshop on Two Day Workshop on EAT, TSA, CNA & SNA IN PFMS E-GOVERNANCE was held on 31.10.2022 to 01.11.2022.



Department of Mechanical Engineering

Workshops/FDPs/Conferences

Dr. S. Ponnuvel, Associate Professor participated in two days seminar on “Innovative Practices for Quality Enhancement through IQAC in Higher Education Institutions” in collaboration with National Assessment and Accreditation Council on 28th and 29th October 2022 organized by Internal Quality Assurance Cell, R. M. K. Engineering College, Chennai.

Dr. M. Gajendiran, Assistant Professor, Mechanical Engineering Department attended the Faculty Development Program on VIRTUAL LABS, held virtually from 19th – 21st October 2022 as part of the “PALS-VLABS 2022-23 INITIATIVE with NITK Surathkal”.

Dr. M. Gajendiran, Assistant Professor participated in One Week Online FDP on “Advancements in Thermal and Renewable Energy Technologies (ATRET-2022)” organized by the Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna (Dt.), Andhra Pradesh, India organized from 04/07/2022 to 09/07/2022.

Dr. M. Gajendiran, Assistant Professor attended one day workshop on Curriculum design organized by SVCE on 18th October 2022

Dr. S. Muniraj, Assistant Professor, underwent Innovation Ambassador (IA) training Foundation Level (Total 15 sessions of 30 contact hours) conducted in online mode by MoE's innovation cell & AICTE

Mr. M. Maheswaran, Assistant Professor, participated in 5 day Faculty development program on Product Design Engineering using Fusion 360 conducted by ICT academy on 1st to 5th August 2022 at Sairam Engineering College

Mr. M. Arulkumar, Assistant Professor, has attended ANSYS Academic Innovation Conference on Sep 09, 2022 at Chennai organized by Entuple Technologies

Mr. S. Saravanan, Assistant Professor, participated in the four days workshop on “Walk through from AI to ML to XAI”, organized by the Department of Information Technology, SVCE from 26/10/2022 to 29/10/2022

Mr. G. Kirubakaran, Assistant Professor attended the workshop on fusion 360 on 20th September 2022 organized USAM Technology Solution Pvt. Ltd.

Mr. G. Kirubakaran, Assistant Professor, participated in 5 day Faculty development program on Product Design Engineering using Fusion 360 conducted by ICT academy on 1st to 5th August 2022 at Sairam Engineering College.

Mr. G. Kirubakaran, Assistant Professor successfully completed the NPTEL 12 week course on “Fundamentals of Additive Manufacturing Technologies” during July – Oct 2022 conducted by Indian Institute of Technology, Guwahati.

Mr. K. Ram Prasad, Assistant Professor participated in two days seminar on “Innovative Practices for Quality Enhancement through IQAC in Higher Education Institutions” in collaboration with National Assessment and Accreditation Council on 28th and 29th October 2022 organized by Internal Quality Assurance Cell, R. M. K. Engineering College, Chennai.

Mr. M. Nishal, Assistant Professor successfully completed the NPTEL 12 week course on “Introduction to Industry 4.0 and Internet of Things” during July – Oct 2022 conducted by Indian Institute of technology, Kharagpur. He was ranked in the top 5% and awarded Elite certificate silver medal.

Mr. M. Nishal, Assistant Professor successfully completed the NPTEL 12 week course on “Fundamentals of Artificial Intelligence” during July – Oct 2022 conducted by Indian Institute of Technology, Guwahati.

Mr. A. Ranjith Raj, Assistant Professor, participated in 5 day Faculty development program on Product Design Engineering using Fusion 360 conducted by ICT academy on 1st to 5th August 2022 at Sairam Engineering College.

Dr. V. Arun Prasad Raja, Assistant Professor, participated in 3 day Faculty development program on Emotional Intelligence conducted by ICT academy on 19th to 21st September 2022 at Guru Nanak College, Chennai.

Student's Achievements

Ms. Pooja. S, II year Mechanical Engineering student received the Best Paper Presenter award in an International conference on Recent developments in Applied Sciences (ICRDAS-2022) organized by Rajalakshmi Institute of technology for the paper entitled "High Performance of Chitosan base sodium ion-rgo based hybrid composites for supercapacitor application during 15-16th July 2022.

Mr. Subash Chandrabose, II-year Mechanical Engineering secure third place in the Sai Ram College of Engineering's business model competition. He proposed a business plan for a "small automated hydroponics kit,".

The team Latency zero comprising Akash R, BHARATH P, Gokula Krishnan A, won first place in the Yet another Hackathon 22 conducted by ACM-SVCE. YAH'22 is a 24- hour hackathon and the main objective of this event is to develop a UI that creates an impact on our society.



Mr.Siva Prasath S and Raghul S,final year mechanical engineering students has Participated in "Drive Against Drug-walkathon" organized by RRC, SVCE on 18/08/2022.

Mr.Muthu Selvam N of third year has Participated and received first place in 15th Tamil Nadu State Archery Meet in Junior Compound - Boys Team category conducted at MGR Janaki Women's College Grounds organized by The Archery Association of Tamil Nadu - TAAT Besant Nagar, from 14/10/2022 to 22/10/2022.

Mr. N. Muthu selvam of III year mechanical engineering has participated in the 15th Tamil Nadu state Archery Meet in Junior - Compound - Boys Team category and Junior - Compound - Mixed Team category and has won FIRST place and received Gold medal in both the categories.



Mr.Aaditya R of final year has successfully Presented a paper titled "Experimental verification of influence of surface texturing on the tribological characteristics of biomaterials" in the 2nd International Conference & Exposition on Mechanical, Material and Manufacturing Technology (ICE3T 2022) organized by the CVR College of Engineering, Hyderabad from 28/10/2022 to 29/10/2022.

Mr.Ramesh Aravind J M of third year has attended All India Trekking Expedition, Kerala Trek 1 JNV, Kulamavu organized by - NCC Directorate, Kerala & Lakshadweep from 06/10/2022 to 13/10/2022.

Mr. Prashanna Rangan, M.E. Industrial Automation and Robotics student has received "Dr. Kalam Young Achiever award" on 15th October 2022 at Anna University which was organized by world youth federation for the project entitled "Smart wearable Knee assist"



Justin Kiran and Bharath, third year mechanical students were the part of CaWID which has been funded a sum of Rs.10000 in the Startup Surge program conducted by the Entrepreneurship Promotion and Incubation Centre of SVCE (EPIC-SVCE).



E. Gurunathraj, second year mechanical student is the part of Metal Protection Pvt Ltd., which has been funded a sum of Rs.10000 in the Startup Surge program conducted by the Entrepreneurship Promotion and Incubation Centre of SVCE (EPIC-SVCE).



Our Go-kart team comprising Sanjay Kumar S, Tharun Rajan S, Roshan Benni Philip, Rahul Karuppiyah B, Raaghav V, Pradep Sreenivasan R, Varadharajan C N, Shashang G, Gokulakrishnan R, Vishal C B, Sriram K, Sudharshan, Ramanathan, Kumar JB, Gokulakrishnan participated in the 9th GKDC competition, which was held at Aruani Grid in Bangalore, Karnataka and was organised by ISNEE MOTORSPORTS PRIVATE LIMITED, on 22nd to 25th August 2022. Our team attained an overall national ranking of 15



M. Jayashree, third year and Pooja. S, second year received a scholarship of Rs. 55,000 each from 1985-89 batch alumnus.



Around 25 students from Mechanical Engineering department have completed their Internship in companies like Hyundai, Saint Gobain, L& T Rubber Processing machinery, southern railway, NTPC etc.

Faculty Publications

Dr. P. Raghu, Associate Professor, published a Paper titled “A Review of HCCI Engine Characteristics Using Biofuels” in GIS SCIENCE JOURNAL. VOLUME 9, ISSUE 5, 2022.

Dr. Senthamarai Kannan C, Associate Professor, published a paper titled, “Spider Bot – A Quadruped Robot for Data Gathering” in Journal of Engineering Science and Technology Review 15 (6) (2022) 15 – 19.

Mr. Nishal M and Mr. Ram Prasad K., Assistant Professors, published a paper titled, “Significance of additive manufacturing amidst the pandemic” authored by, in Materials Today: Proceedings 72 (2023) 2540–2546.

Mr. Arul Kumar M, Assistant Professor published a paper titled, “Vision based Eggshell Crack Detection System for Segregation” in International Journal of Engineering Research & Technology, Special Issue – 2022.

Mr. Arul Kumar M, Assistant Professor, published a paper titled, “Design and Analysis of a 3-Finger Adaptive Gripper” in International Journal of Engineering Research & Technology, Special Issue – 2022.

BOOKS and BOOK CHAPTERS

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

Expert Lectures

Mr. R. Kaliyanasunder, Assistant Professor delivered an expert talk on Cooling System in IC Engines on 13/10/2022 in the Three Day Workshop on Engine Cooling System organized by the Department of Mechanical Engineering, SVCE.

Dr. S. Saravanan, Professor delivered an expert talk on Fundamentals of Thermodynamics on 14/10/2022 in the Three Day Workshop on Engine Cooling System organized by the Department of Mechanical Engineering, SVCE.

Dr K. Pitchandi, Professor delivered an expert talk on Fundamentals of Fluid Mechanics on 14/10/2022 in the Three Day Workshop on Engine Cooling System organized by the Department of Mechanical Engineering, SVCE.

Dr S. Arumugam, Assistant Professor delivered an expert talk on Fundamentals of IC Engines on 15/10/2022 in the Three Day Workshop on Engine Cooling System organized by the Department of Mechanical Engineering, SVCE

Dr P. Raghu, Associate Professor delivered an expert talk on Fundamentals of Heat Transfer on 15/10/2022 in the Three Day Workshop on Engine Cooling System organized by the Department of Mechanical Engineering, SVCE

Dr C Senthamarai Kannan, Associate Professor delivered an expert lecture on Design of Machine Elements on 26/10/2022 in the Faculty development program on design of Machine elements organized by Mailam Engineering College

Events Organised

Dr. S. Ramesh babu, Professor & head, Dr. C. Senthamarai Kannan, Associate Professor, Mr. M. Arul Kumar organized a two day International workshop on “PLC and Automation” on 27th and 28th December 2022. Dr. Ravindra Thamma Professor of Robotics and Mechatronics at Central Connecticut State University, USA. Was the resource person. 10 industrial participants, 25 external faculty members, 10 internal faculty members and 6 PG students participated in this workshop.





Dr. P. Raghu, Associate Professor, Dr. S. Arumugam, Mr. S. Saravanan, Assistant Professor organized a three day workshop on “Engine Cooling System” in association with CT research Institute, Chennai. Mr. K. Muthukrishnan, Architect, Thermal Systems, L & T Technology services was the chief guest. 12 members from Western Thomson Group attended this workshop.

Mr.KS. Ravindran, Vice President, SANMAR Engineering Technologies Private Limited inaugurated the Society of Mechanical Engineers on 6/10/2022 and delivered an expert lecture on Career Prospects of Mechanical Engineering



Mr. Vinay, Academic Program Manager – South delivered an expert lecture on 12/10/2022 on the topic “Hybrid and Electric Vehicle Engineering”. During his lecture he presented the usage of ANSYS analysis software in the design of Electric vehicle.

Dr. R Ramesh, Professor organized a workshop titled "Disaster Awareness and Management Training" in association with the Sri Sathya Sai Seva Organization Trust as DRGs (DISASTER RESPONSE GUARDS) for the first-year students of academic year 2022-23. 200 Number of students participated in the training program across various disciplines, 40 faculty members and 10 supporting staff also got trained and benefited. The objective of this workshop is to create awareness of various natural disasters and how to handle the situation through disaster management methods.

Faculty Achievements

Dr. C. SenthamariKannan Has served as reviewer of innovative ideas received under the INSPIRE Awards-MANAK for the year 2022-23

Dr. C. SenthamariKannan received Outstanding Oral Presentation Award for the paper titled "Digital twin of robot manipulator using ROS", in the International Conference on Robotics, Intelligent Automation and Control technologies, VIT, Chennai held between 23rd – 25th September 2022

Dr. S.Saravanan, Professor, Department of Mechanical Engineering is acquired a tremendous position in his research, and he is listed in top 2% of scientist in the scientific publications. This is based on his citation index on his research publications. This recognition is evidenced with "September 2022 World Scientist and University Rankings 2023 © 2023 AD Scientific Index Ltd.

Dr. K. Pitchandi, professor and Dr, R. Ramesh, Professor were listed in the world scientists and University rankings 2023

Dr. S. RameshBabu, Professor and Head and Mr. M. Maheswaran, Assistant Professor performed consultancy work on



CFD analysis of the Thermostat for M/s. Western Thomson India Ltd. The consultancy work is related to the John Deere Thermostat Housing CFD Analysis” to re-design the current thermostat housing under certain loading conditions and to check the variation in flow with the current. Rs. 1, 69, 509 (One lakh, sixty-nine thousand, five hundred and nine)has been generated through this consultancy work

Dr. Prem Ananth M, Associate Professor, Mr. Risikesh J & Mr. Sidheswaren J, filed a patent titled, “Dual Shaft Leaf Shredder”, on 31st October 2022 with application no. :202241061116 and the same is published on 4th November, 2022

Mr. J. Sivaramapandian, D. Karthick thangaraj, and R. Dhanasekaran filed a patent titled, “Bund Forming Machine”, on 27th October 2022 with application no.: and the same is published on 1st July2022

Department of Applied Chemistry

Workshops/FDPs/Conferences Participated

vDr.S.Stanly & Dr. G Baskar has participated in One day work shop on “Innovations in Material Testing for Industries” held on 7th Oct. 2022 organized by Department of Applied Physics SVCE.

Dr.T.Balusamy and Dr.G.Devasagayam presented a paper on “Influence of Post Polishing on Passivation Behaviour of AISI 304 Stainless Steel Subjected to Surface Mechanical Attrition Treatment” in International Workshop on Emerging Materials and Modeling for Future Technology [EMMFT-2022] organized by Center for Nanoscience and Technology, Anna University, Chennai, during 3rd September 2022.

Y. Udayarajan, P. Thapasvi, T. Balusamy, T.S.N. Sankara Narayanan, K.Ravichandran, G. Devasagayam, and J. Hariharan, Surface Nanostructuring of Austenitic Stainless Steels for Biomedical Applications-An Overview was presented in International conference on Nano biosensors organized by Department of Inorganic Chemistry, University of Madras, Chennai during 29-30th September, 2022.

T. Balusamy, Participated in a one day workshop on Innovations in materials testing for industries organized by Department of Applied Physics, SVCE held on 7th Oct. 2022.

Dr. Stanly S has attended a workshop on “PLC and Automation” organized by Department of Mechanical Engineering, held on 27th and 28th December 2022.

Department of Applied Mathematics

Workshops/FDPs/Conferences Participated

August,2022

Dr.J.Vijayarangam and Ms.V.Gayathri, Assistant Professor, attended Faculty Induction Program on 10.08.2022.

September,2022

1.Dr.B.Thilaka, attended 3-Day Dr R Venkataram International Lecture Series – 2022 on “The Magic of Probability & Introduction to Decision Analysis”, organized by Bangalore Institute of Technology, 7.9.2022 - 9 .9.2022.

2.Dr.B.Thilaka, attended Two Week Online International Faculty Development Programme on “Current Trends in Applications of Mathematics”, from 21.09.2022 to 04.10.2022 organized by Vel Tech Rangarajan Dr. Sagunthala R & D Institute of Science and Technology, Avadi, Chennai.

October,2022

Dr.B.Thilaka, attended One day Workshop on “Curriculum Design”, organized by Sri Venkateswara College of Engineering, Sriperumbudur on 18.10.2022.

Faculty Achievements

August,2022

1.Asian Journal of Mathematics and Computer Research has awarded Certificate of Excellence in Peer Reviewing to Dr.R.Muthucumaraswamy, Professor and Head, in recognition of his outstanding contribution to the quality of the Journal, August,2022.

2.Asian Journal of Probability and Statistics has awarded Certificate of Excellence in Reviewing to Dr.R.Muthucumaraswamy, Professor and Head, in recognition of his outstanding contribution to the quality of the Journal, August,2022.

DAE-NBHM-JRF Grant:

Dr.R.Muthucumaraswamy, Professor and Head, and Dr.A.R.Vijayalakshmi, Assistant Professor, received Rs.6,68,036 as second instalment towards DAE-NBHM Financial Assistance for research project “Numerical Simulation of Hall Effects on moving vertical plate with Heat and Mass Transfer” for the financial year 2022-23.

NPTEL Discipline Star:

Dr.B.Thilaka, Professor, APM completed a 12-week FDP Equivalent NPTEL course Learning Analytic Tools, July-October, 2022 and has been awarded NPTEL Domain Scholar - Data Science (Computer Science), October, 2022.

Faculty Publications

July,2022

Rajaraman.R and Dr.R.Muthucumaraswamy, published an article titled “Numerical Simulation of Radiative and Viscous Dissipative Fluid Flow along an oscillating vertical plate”, Symmetry, July 2022.

September,2022

1. Nagarajan, Sundar raj, R.Muthucumaraswamy, published a paper titled “The influences of thermal expansion on flow past an inclined accelerated sectional plate with persistent mass diffusion” in International Journal of Applied Mechanics and Engineering.

2.Dr.B.Thilaka published an article titled “Grade Sizes in Hierarchical k-Grade Models”; in Far East Journal of Mathematics(FJMS), online version Vol.134, 2022, pp 13-26.

October,2022

V. Sangeetha, J. Vijayarangam, and P. Elumalai, Mid-range technique and fuzzy Big-M method based solution for fuzzy transportation problem, AIP Conference Proceedings, 2516, 200008 (2022); <https://doi.org/10.1063/5.0109704>.

Expert Lectures

vAugust,2022

IIC Activities:

Dr.B. Saravanan, Innovation Ambassador delivered inaugural address and reviewed IIC activities of Mentee Institution Hindusthan College of Engineering and technology (Autonomous) Coimbatore under Mentor Mentee Scheme on 18.8.2022.

Department of Humanities and Social Sciences

Workshops/FDPs/Conferences Participated:

Dr.Amutha Charu Sheela, Assistant Professor attended the International training program on “Continuing Education Programme on Forensic Linguistics, Language, Law, and Society” from 22/08/22 to 28/08/22 organized by the Department of Humanities and Social Sciences, IIT Patna. She has attended a workshop on “International Training Program on “Text and Context in Translation” from 18/07/22 to 23/07/22 organized by the Department of Humanities and Social Sciences, NIT Trichy.

Ms. Anitchamalar, Asst. Professor has attended nine FDPs. “International FDP cum Workshop on Plagiarism Detection and Removal in Research Paper and Ph.D. Thesis using software” on 31/07/22 organized by Blue Crest University, Liberia and Research India Foundation, “National FDP on Innovation Ambassador Training Foundation Level” from 01/08/22 to 16/08/22 organized by MoE’s Innovation Cell and AICTE, “International FDP cum Workshop on Plagiarism Detection and Removal in Research Paper and Ph.D. Thesis using software”, Digital Storytelling and Project Based Learning with Canva” organized by Centre for Teacher Accreditation on 12/09/2022, “Inclusive Pedagogy” on 22/09/2022 organized by Centre for Teacher Accreditation, “ELTOC Chapter 3 Block 1” on 23/09/2022 organized by Professional Development English Language Teaching Division, Oxford University Press, “ELTOC Chapter 3 Block 4” on 24/09/2022 organized by Professional Development English Language Teaching Division, Oxford University Press, “Reflection as a Practice to Improve Learning Outcomes” on 29/09/2022 organized by Centre for Teacher Accreditation, “Diasporic Dreaming and The Post-Colonial Imagination: A Creative Writing Journey” on 07/10/2022 organized by St. Mary's College, Thoothukudi. “Curriculum Design” on 18/10/2022 organized by SVCE, “Building Reading Comprehension Skills in Students” on 19/10/2022 organized by Centre for Teacher Accreditation.

Mr.S.Bharathikumar, Asst. Professor has attended five National level Elt@i sponsored webinars. “National Webinar on Differentiated Instruction- Why and How” on 03/10/2022, “National Webinar on “Teachers’ Day Celebration” on 05/10/2022, “National Webinar Is Something Burning? Oil, Literature, and Hydrocarbon Culture” on 10/10/2022. National Webinar on

“Asian Perspectives on 12/10/2022. “National Webinar on “Life Skills for Personal and Professional Harmony” ELT: Round 2” on 19/10/2022.

Dr. M.V. Iyuswariya Lakshmi Assistant Professor has attended two FDPs. “Research, Publication, and Patent in Humanities and Sciences” from 22/08/2022 to 30/08/2022 organized by SRM Institute of Science and Technology, Chennai. “Engaging in Teacher-research” on 12/10/2022, 14/10/2022, 2/11/2022, and 9/11/2022. She has attended the Virtual seminar International Teacher Identity- Reweaving the English Classroom

Dr. S. Bhargavi Assistant Professor has attended three FDPs. “Task-based English Language Teaching” from 26/09/2022 to 01/10/2022 organized by Vardhaman College of Engineering, Hyderabad. “Contemporary Trends and Significance of English Language Communication” from 10/10/2022 to 15/10/2022. She attended Eight-Day Faculty Development Program on Research, Publication, and Patent in Humanities and Sciences from 18/08/22 to 19/08/22 organized by the School of Social Sciences and Languages, VIT, Chennai.

Ms. G. Sandhiya Devi Assistant Professor attended two FDPs. “Research, Publication, and Patent in Humanities and Sciences” from 22/08/2022 to 30/08/2022 organized by SRM Institute of Science and Technology, Chennai. “Teacher Identity” 30/ 08/ 2022 organized by M & H, MGIT, Hyderabad. She has attended two workshops. “One Day Workshop on “Curriculum Design” on 18/10/2022 organized by SVCE. “Engaging in Teacher-research” on 12/10/2022, 14/10/2022, 2/11/2022, and 9/11/2022 organized by the Department of English, SSN College of Engineering, Kalavakkam.

Expert Lectures

T Murugavel, Professor and Head / HSS 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. He was included in the National Academy of Direct Taxes’ Panel of trainers.

Co-Curricular Activities

EWB SVCE

Engineers without borders club of Sri Venkateshwara college of Engineering conducted its inauguration for the year 2022-23 on 22nd, September 2022 between 10.30 AM - 12.30 PM at Function Hall. The event was graced by Mr. Alagu Sundaram Veerappan, Professional Member of EWB Hyderabad along with Dr. S Ramesh Babu, Professor and Head of Mechanical Engineering Department. The Faculty advisor of EWB-SVCE, Dr. R.Palani gave the welcome address to all the participants present at the event. It was then followed up by the pledge alongside our Honourable Mr. Alagu Sundaram Veerappan. The event comprised of over 117 participants.

BRIEF AGENDA OF EWB INAUGURATION

Ms. Ranjani and Ms. Srivarshini served as hosts for the inauguration. The event began with Tamil-Thai vazhutu, after which Dr. R. Palani (Faculty advisor of EWB-SVCE) gave the welcome address. The yearly report of the academic year 2021-22 was presented by Ms. Abinaya. Later the announcement of the newly elected EWB-SVCE board members for the academic year 2022-23 was made by Dr. R. Palani.

A memento was presented by the presider to the guest of honour. The chief guest Mr. Alagu Sundaram Veerappan (Professional member of EWB HYDERABAD) gave a talk on previous EWB works, current projects, and future work ideas. This was followed by the felicitation of core team members of the academic year 2021-22. Finally, Mr. Justin delivered the vote of appreciation, and the event was concluded with the National Anthem.



NCC ARMY

1. YUVA SHAKTHI'S ONLINE YOUTH EMPOWERMENT PROGRAM

Online Youth Empowerment Program was organized by "Yuva Shakthi Youth Welfare Association. Ms. B. A. Ashiq Cidhara, Secretary, Yuva Shakthi discussed about the book "Mandhira Saavi". Later, Mr. G. Lakshmi Narayanan, Yuva Shakthi Volunteer initiated a group discussion on "Online Shopping". 8 cadets of NCC (Army) SVCE and 1 ANO participated in the program.



2. CATC cum IGC/RDC SELECTION CAMP 2022

NCC (Army) cadet of Sri Venkateswara College of Engineering, Sriperumbudur attended the "CATC cum IGC/RDC Selection Camp 2022" under the guidance of ANO Capt. Dr. A. Bhaskaran. 01 cadet of NCC Army Wing SVCE and 502 cadets of Madras B Group attended the camp held at Jaya College of Arts & Science from 18 July 2022 to 27 July 2022.



3. YUVA SHAKTHI'S 75TH INDEPENDENCE DAY CELEBRATION

NCC (Army) SVCE cadets attended the “75 th Independence Day Celebrations” organized by Yuva Shakthi Youth Welfare Association under the guidance of ANO Capt. Dr. A. Bhaskaran. Cadets participated in the ADZAP competition. 8 cadets of NCC (Army) SVCE and 1 ANO participated in the program.



4. 75TH INDEPENDENCE DAY CELEBRATION

NCC (Army) cadets of Sri Venkateswara College of Engineering, Sriperumbudur celebrated “75th Independence Day Celebration” under the guidance of ANO Capt. Dr. A. Bhaskaran. 10 cadets of NCC Army Wing, 24 cadets of NCC Air Wing and 17 cadets of NCC Navy Wing of Sri Venkateswara College of Engineering participated in the celebration. The Indian National flag was hoisted by Dr. R. Kumutha, Head of the Department, Civil Engineering, SVCE followed by National Anthem



5. CATC cum TSC IGC-RDC CAMP I

NCC (Army) cadet of Sri Venkateswara College of Engineering, Sriperumbudur attended the “CATC cum IGC/RDC Selection Camp 2022” under the guidance of ANO Capt. Dr. A. Bhaskaran. 01 cadet of NCC Army Wing SVCE attended the camp held at SCP Jain College in Minjur from 25 August 2022 to 01 September 2022.



6. CATC IV IGC/RDC LAUNCH CAMP

NCC (Army) cadets of Sri Venkateswara College of Engineering, Sriperumbudur attended the “CATC IV IGC/RDC Launch Camp” under the guidance of ANO Capt. Dr. A. Bhaskaran. 11 cadets of NCC Army Wing SVCE attended the camp held at Dhanalakshmi College of Engineering in Manimangalam from 17 September 2022 to 24 September 2022.



7. INDIAN AIRFORCE DAY

NCC (Army) cadets of Sri Venkateswara College of Engineering, Sriperumbudur attended the program on “Indian Air Force Day” under the guidance of ANO Capt. Dr. A. Bhaskaran. 5 cadets of NCC Army Wing SVCE and 1 ANO attended the program.



Red Ribbon Club

Events Organised:

The Red Ribbon Club of Sri Venkateswara College of Engineering organized "Drive Against Drug - Pledge" on 11.08.2022. The programme was coordinated by the RRC coordinator Dr. G. Sudha and the RRC executive committee members of SVCE. The event was graced by Mr. Sunil, Deputy Superintendent of Police, Kanchipuram along with Mr. Paranthaman, Inspector of Police, Kanchipuram District. The coordinator of RRC, Dr. G. Sudha gave the welcome address to all the participants present at the event. It was then followed up by the pledge alongside our Honorable Chief Minister Dr. M. K. Stalin, whose program was telecasted live.

At the program various government officials gave their insights about the drug and drug related impacts among the younger generation. They gave a detailed talk about how it affects a person and gives them a state of ecstasy which enables them to function without any morals. A special committee was commissioned to control the drug scandal that is happening in TamilNadu. Every student at the college was asked to take the pledge so that they would lead a drug free life.



The Red Ribbon Club of Sri Venkateswara College of Engineering organized "Drive against Drugs - Walkathon" on 18.08.2022. Forty seven students actively participated in the walkathon rally to Karanthangal village displaying placards for Drive against drugs. The objective of the Walkathon was to create awareness among local communities and to fight against the drug addiction. It provides necessary knowledge to avoid risky situations and information to make healthier personal choices. It aids in creating personal strategies for avoiding both negative peers and the inherent social pressures associated with the substances in social scenarios. Thus, this event witnessed a large number of people to support the event.

Music Club

The Music Club at Sri Venkateswara College of Engineering (SVCE) has been an active and vibrant part of the college's cultural scene. In the odd semester of the academic year 2022-23, the Music Club organized a series of events that showcased the talents of its members and contributed to the cultural life of the college. Here is a summary of these events:



The Art of Living foundation has instituted the Creatives Award to recognize and foster young talent to create awareness around the theme of "I Stand for Drug-Free India!" Interested students across all departments have participated in the event, showcasing their talents. Two events were conducted for all the colleges in and around Chennai including Arts Colleges. 3 minute short-film competition & slogan competition with the theme of "DRUG-FREE INDIA" were called for and a total of nine teams (around 45 students) represented SVCE in the short film and slogan competitions. One of the teams from our college, represented by students from ECE department, won the 1st prize in the Short film Videos category and the video was played in the event as well. The prize consisted of a certificate along with a cash award of Rs.15,000. It's pertinent to note that more than 45 colleges participated in the above event and our college team made the day.



Tamil Mandram Independence Day Celebrations:

To mark the celebration of Tamil Mandram Independence Day on August 12, 2022, the Music Club organized a soulful rendition of a prayer song by Ananya RC (Bio Tech 3rd year), Subhashree (3rd year Bio Tech), Jow Raymund I (Chemical 3rd year) and Sahana B (2nd year CSE department). The event marked a beautiful way to start the day with a sense of reverence and respect for the cultural heritage of Tamil Nadu.

Music Club Inauguration:

On September 26, 2022, the Music Club for the academic year 2022-2023 was officially inaugurated. The event was marked with an enthusiastic gathering of music lovers from across the campus. The Music Club members presented an eclectic mix of music performances, including classical, folk, and contemporary music, that captivated the audience.

The inaugural event of the new music club featured the launch of a new logo, which was met with great enthusiasm from the attendees. The event was graced by two esteemed chief guests, Rupender Venkatesh and Adithya Sriram, who are accomplished music producers and sound engineers in the industry they were also proud alumni and former members of the SVCE music club.



In addition to the logo launch, the chief guests presented the office-bearers with badges that featured the logo of the club. The badges served as a symbol of support for the club's initiatives and were greatly appreciated.

Rupender Venkatesh, who has worked with Leon James as an associate music producer in the films LKG and Oh My Kadavule, shared his experiences and insights into the industry. He spoke about the importance of teamwork and the creative process that goes into producing music.



Adithya Sriram, who has worked with Anirudh and is currently working on individual albums as a music producer and sound engineer, also shared his experiences and offered valuable advice to the students. He spoke about the technical aspects of music production and the need for innovation in the industry.



Prayer for Workshop on Data Science

On September 28, 2022, the Music Club collaborated with the Association for Computing Machinery (ACM) and the Association of Computer Engineers (ACE) to organize for workshop on data science. The event was marked with a prayer song presented by the Music Club Joint-Secretary Sahana B (2nd year CSE department), which set a tone of positivity and enthusiasm for the attendees.

Cultural Event during NAAC Peer Team Visit:

The Music Club played an integral role during the NAAC Peer Team Visit on September 30, 2022, by organizing a cultural event. The event showcased the rich cultural heritage of India and included a variety of music performances, including classical, folk, and fusion music. During the cultural demonstration, guests were treated to an exciting lineup of performances, which showcased the diverse musical talents of the students. The performances ranged from western music to rap and included instrumentals, medleys, and band performances.

The session was kicked off with an instrumental and medley performance, featuring a blend of Indian and Western music. The performance was a beautiful fusion of sounds, and the musicians demonstrated great skill and musicality.

Janani K, a 4th-year CSE student, graced the session with a western music performance. Her rendition of popular western tracks was met with great applause and appreciation from the audience.

Next up was VanKavin S, a 4th-year Mechanical Engineering student, who performed an original rap piece. His performance was high-energy, and he engaged the audience with his powerful lyrics and smooth delivery.

Following VanKavin's performance, Venkat Sri took to the stage to showcase his beatboxing skills. His performance was a display of creativity and technical prowess, and he wowed the audience with his impressive vocal precession .

Following Venkat's performance, Aathithiyan M V (The President) mesmerized the crowd with the iconic song raja raja chozhan composed by Isaigyani Ilaiyaraaja.



Finally, the session concluded with a band performance, featuring popular tracks like Vande Mataram by A.R Rahman, the Western Classical version of Shape of You, and Enjoy Enjaami. The band's performance was energetic, and the audience thoroughly enjoyed.



Prayer song for Various Club Inaugurations:

The Music Club actively participated in various club inaugurations at SVCE, including the ACE, ACM, C2C, CSI, Know-I, Cyberhub, and Speaker's Forum.



The Music Club Joint-Secretary Sahana B (2nd year CSE department) presented prayer songs that set the tone for the events and instilled a sense of positivity and enthusiasm among the attendees.

Prayer song for First Year Students Induction Programme:


On October 27, 2022, Sahana B (2nd year CSE department) presented a prayer song at the First Year Students Induction Programme. The event was marked with a spirit of positivity and enthusiasm, which set the tone for the induction program.

Tune In Tuesday:

The Music Club organizes "Tune in Tuesday", a jamming session to motivate young talents to come up with their compositions and covers. This event is being held on the 2nd and 4th Tuesdays of every month at the function hall from 3.15 to 4.15 PM.

The event was marked by an enthusiastic gathering of music lovers, who were encouraged to showcase their talents and collaborate with other music enthusiasts.

Overall, the Music Club at SVCE organized a series of events that demonstrated the diversity and richness of Indian and Western music. The Music Club member's performances were a testament to their passion for music and their commitment to promoting the arts on the SVCE campus.



SVChronicle

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