

SRM MCET ANNALS



A Biannual Newsletter
from

SRM MADURAI

COLLEGE FOR ENGINEERING AND TECHNOLOGY

Volume 1 Issue 2

PREFACE

It is with immense pleasure the second issue of our esteemed newsletter, SRM MCET ANNALS, is presented brimming with a myriad of accomplishments spanning curricular, co-curricular, and extra-curricular domains achieved over the past six months. While our inaugural issue, released in September 2023, laid a solid foundation with meticulous planning and execution, this latest edition showcases the progressive strides made through a series of impactful endeavours. Focusing on key milestones such as signed Memorandums of Understanding (MoUs), filed patents, proposed projects, published articles, participation and organisation in Faculty Development Programs (FDPs), webinars, seminars, and conferences, this issue encapsulates the vibrant spectrum of activities within our institution. More than just a compilation of information, it serves as a source of inspiration and motivation, empowering each reader to explore their full potential across various facets of academia.

CONTENTS

- MoU Signed
 - Journal Publications
 - NPTEL Certifications
 - FDPs Organised& Attended
 - Seminars/Conferences Organised & Attended
 - Webinars Organised & Attended
 - Other Curricular Activities
 - Patents Filed
 - Books Published
 - Projects Submitted
 - Sports
 - Cultural

MOU SIGNED



An MoU was signed between SRM Madurai College of Engineering and VI Microsystems when Mr.R.Vijaya Rajeswaran, Managing Director of VI Microsystems, Chennai visited our campus on 04.10.2023. This partnership aims to offer a multitude of services to our students. VI Microsystems specializes in aiding top product manufacturers in various areas such as digital home solutions, automotive infotainment, signal processing consulting, embedded applications, and automated testing. With this alliance, students can benefit from valuable resources and opportunities in both hardware and software development.

JOURNAL PUBLICATIONS

Dr.S. Rajkumar(Associate Professor of Chemistry), "Synergistic effect of adsorption and photo-catalysis on the removal of hazardous dyes using steam exploded banana fiber derived micro-cellulose" International Journal of Biological Macromolecules, 20 Dec 2023.(Elsevier)

Dr.S.Rajkumar (Associate Professor of Chemistry) "Synthesis, characterization, and evaluation of fluoride removal capacity of calcium-impregnated Euphorbia Neriifolin Carbon (Ca-Enc)" Environmental Science and Pollution Research, 20.01.2024, (Springer)

J.Bimal Roy, AP/English," DISCOVERING WOMAN SELF IN ANITA NAIR'S LADIES COUPE: AN ANALYSIS" UGC CARE Journal September 2023(education and society) ISSN 2278-6864

J.Bimal Roy, AP/English,"SURPASSINGGENERIC LIMITATIONS- A READING OF ANITA NAIR'S CHAIN OF CUSTODY" UGC CARE journal November 2023 (junikhyat journal) ISSN2278-4632

Dr.R.Ashok Kumar, AP C HoD/Mech., " Reuse of Used Paper Egg Carton Boxes As A Source To Produce Hybrid Agnps-carboxyl Nanocellulose Through Bio- synthesis And Its Application In Active Food Packaging" International Journal of Biological Macromolecules - August 2023 –Elsevier

Dr.R.Ashok Kumar, AP C HoD/Mech., "Effect of cellulose nanofibers from Red coconut peduncle waste as reinforcement in Epoxy composite sheets" Cellulose Chemistry and Technology - October 2023

Dr.R.Ashok Kumar, AP C HoD/Mech., Book Chapter "Corrosion behavior of additive manufactured materials and composites" Chapter -9 C CRC Press - October 2023

Dr.R.Ashok Kumar, AP C HoD/Mech., "CORROSION AND INHIBITION STUDIES ON AISI 316 WITH AISI 410 FIBER LASER WELDED JOINTS" Bulletin of the Chemical Society of Ethiopia, Vol. 38 Iss. 3, pp.811-823, ISSN 1011-3924, Chemical Society of Ethiopia and The Authors, <https://dx.doi.org/10.4314/bcse.v38i3.20>, March-2024.

Dr.R.Ashok Kumar, AP C HoD/Mech., Book Chapter "Fabrication techniques for printed and wearable electronics" Chapter -5 C IOP Publishing - December 2023

Dr.A.N.Balaji, Professor/ Mechanical, "Mechanical Characteristics of Naturally Woven Coconut Sheath/Short Sisal Fiber Reinforced Polymer Hybrid Composites", Journal of Polymer C Composites, Volume 12, 2024 (Accepted for Publication)

Dr.J.Jeyaranjani, Assistant Professor/IT presented a paper on "Regressor based Supermarket Sales Prediction using Time Series Data", and got published in the 2nd International Conference on Futuristic Technologies (INCOFT), at SGB Institute of Technology, Karnataka, between 24th to 26th Nov 2023

Dr.J.Jeyaranjani, Assistant Professor/IT published a book chapter titled "Computational Intelligence for Green Cloud Computing and Digital Waste Management " in IGI Global Publishing, December 2023.

Dr.S.J.Subhashini, Associate Professor and Head /IT, published IEEE paper A Review on Alzheimer's Disease Detection using Machine Learning (as third author) in the 2nd International Conference on Augmented Intelligence and Sustainable Systems, ICAISS 2023 .

Dr.C.CallinsChristiyana, Professor and Head/CSE published a paper "ENVIRONMENTAL RISK FACTORS ANALYSIS FOR BRAIN TUMOR USING ADAPTED CHICKEN SWARM

OPTIMISATION" in the Journal of Environmental Protection and Ecology, Vol. 24, No 6, 1888–1899, October 2023.

Dr.C.Callins Christiyana, Professor and Head/CSE published a paper "INTEGRATING AI-DRIVEN ON-CHIP NEURAL NETWORKS INTO SOC ARCHITECTURES" in the ICTACT Journal on MicroElectronics, Vol. 9, No 3, 1640-1645, October 2023.

Dr.C.Callins Christiyana, Professor and Head/CSE published a paper "REMOTE PATIENT MONITORING AND CLASSIFICATION OF DIABETES SUBTYPES CLASSIFICATION USING DEEP-LEARNING RECONSTRUCTION ALGORITHM" in the ICTACT Journal on Soft Computing, Vol. 14, No 3, 3249- 3254, January 2024.

NPTEL CERTIFICATIONS

Dr.R.Vinoth, Asst. Prof of English, attended the 12-week course on "History of English Language and Literature", offered by IIT - Madras, from Jul-Oct 2023, and secured 4 credits - Elite Silver



Dr.T.Dhivya, Asst. Prof of Mathematics, Attended the 8 week course on "Accreditation and Outcome Based Learning" offered by IIT- Kharagpur, Aug-Oct 2023-Elite



Dr.M.Sangeetha, Assistant Professor(CSE), successfully completed NPTEL course offered by IIT-Madras, on JOY OF COMPUTING USING PYTHON in Oct.2023



Dr.R.Ashok Kumar, AP C HoD/Mech., 8 Weeks (Aug-Oct 2023) NPTEL Course "Laser Based Manufacturing" organised by IIT Guwahati. Got 94% and gold with Top 2%



Dr.A.N.Balaji, Profesor / Mechanical, 8 Weeks, NPTEL Course "Advanced Machining Processes" (Aug – Oct 2023) - Organized by IIT Guwahati - Course Completed with Elite + Silver (Top 5%)



Dr.R.Ashok Kumar, AP C HoD/Mech., for being recognized as NPTEL DISCIPLINE STAR (Completed more than 50 weeks of learning)



Dr.C.CallinsChristiyana, Professor and Head/CSE, completed 12 weeks course in " The Joy of Computing Using Python" during JUL-OCT 2023 and completed the course with the score of 94% (Topper 1%) and certified as Elite + Gold



Dr.S.J.Subhashini, Associate Professor and Head /IT completed 12 weeks course in " The Joy of Computing Using Python" during JUL-OCT 2023 and completed the course with the score of 94% (Topper 1%) and certified as Elite+Gold



Dr.R.Ashok Kumar, AP C HoD/Mech., 4 Weeks (Jan-Feb 2024) NPTEL Course "Inspection and Quality Control in Manufacturing" organised by IIT Roorkee. Got 77% and Elite with Silver



FDPs ORGANISED

Dr.R.Ashok Kumar, AP C HoD/Mech., organised a 6-Day (11.12.23 to 16.12.23) Faculty Development Program on the topic: "Quality Concepts and Research Issues in Engineering Applications"

Dr.A.N.Balaji, Professor, Dept of Mechanical Engineering, organized a National Level One Week Faculty Development Program (Online) on "Cutting-Edge Developments and Research Frontiers in Mechanical Engineering" from 4th - 9th December 2023.

Dr.C.CallinsChristiyana, Professor and Head/CSE organized a four-day online FDP on "Deep Learning Techniques for Image Retrieval Applications" during 18.01.24 and 21.01.24

Dr.S.J.Subhashini , Associate Professor and Head /IT and Dr.J.Jeyaranjani , Assistant Professor/IT organized Three Day workshop (22.01.2024- 24.01.2024) on Data Science for Healthcare Applications.

FDPs ATTENDED

Dr.T.Dhivya, Asst. Prof of Mathematics, Attended the 8 week course on "Accreditation and Outcome Based Learning" offered by IIT-Kharagpur, Aug-Oct 2023-Elite

Dr.D.Malathy, Assistant Professor (Chemistry), Attended 1 week (19-07-2023 To 27-07-2023) FDP Program on "Outcome Based Education for Effective Learning and Teaching" conducted by AMET University, Chennai

Dr.D.Malathy, Assistant Professor (Chemistry), Attended 6 days (25-09-2023 To 30-09-2023) FDP Program on "Emerging Modernization in Chemical, Physical and Biological Sciences" conducted by Vels Institute of Science, Technology and Advanced Studies, Chennai

Dr.D.Malathy, Assistant Professor (Chemistry), Attended 8 days (05-01-2024 To 12- 01-2024) FDP Program on " ICT Integrated Evaluation in Outcome Based Education" conducted by AMET University Chennai

Dr.M.Sangeetha, Assistant Professor(CSE), attended 2 days(23.09.2023- 24.09.2023) FDP on Outcome based education by Quiklrn

Dr. ANGELIN LINCY G, AP/Civil, attended 5 days National Webinar series 2.0 on "Construction, Assessment and Retrofitting of Structures - (CARS 2023)" from September 18 - 22, 2023 organized by SR University, Warangal, Telangana, and Technical association with Indian Society for Construction Materials and Structures (ISCMS), Roorkee, India.

Dr.R.Ashok Kumar, AP C HoD/Mech., from 18-12-23 to 23-12-23 attended ATAL- AICTE sponsored FDP on Renewable Energy Based Electric Vehicle Technologies organised by Fathima Michael College of Engg. C Tech.

Dr.R.Ashok Kumar, AP C HoD/Mech., 8 Weeks (Aug-Oct 2023) NPTEL - AICTE sponsored FDP on "Laser Based Manufacturing" organised by IIT Guwahati

Dr.R.Ashok Kumar, AP C HoD/Mech., 6 Days from 22-1-24 to 27-1-24 FDP on "Design, Process and Applications of Additive Manufacturing" organised by EASA College of Engg. C Tech. (Online FDP)

Dr. R. PremaSumathi, AP /SCH, 3 days FDP from 8.1.2024 to 10.1.2023 on "Stress Management" organised by ICT Academy.

Dr.A.N.Balaji, Professor / Mechanical, 9 Days Online FDP from 04-01-2024 to 12- 01-2024 on "Intellectual Property Right& Patent Drafting" organised by AMET University, Chennai

M.Nithyakalyani, AP / IT, 5 days Offline FDP from 18/12/23 to 22/12/23 on "Microsoft Power BI Data Analyst Associate" organised by ICT Academy, venue at Vellammal Engg. College, Madurai

Dr.C.CallinsChristiyana, Professor and Head completed 12 Weeks (JUL-OCT 2023)- 12 Weeks NPTEL - AICTE sponsored FDP on "The Joy of Computing Using Python" organised by IIT Madras

Mrs.M.Nithyakalyani, AP/IT, attended 3 Days Online FDP from 22-01-2024 to 24-01-2024 on "Data Science for HealthCare Applications" organized by SRM Madurai College for Engineering and Technology

Dr.S.J.Subhashini, Associate Professor/IT completed 12 Weeks (JUL-OCT 2023)- 12 Weeks NPTEL - AICTE sponsored FDP on "The Joy of Computing Using Python" organised by IIT Madras

Dr.S.J.Subhashini, Associate Professor and Head /IT participated FDP on Salesforce Platform Developer 1 (Online FDP) conducted by ICT Academy on 02 Jan 2024 to 06 Jan 2024

Dr.J.Jeyaranjani, Assistant Professor/IT attended a 5-day ISTE sponsored FDP titled "Universal Human Values", organized by 3 HKBK College for Engineering from 11th to 15th September 2023.

Dr.J.Jeyaranjani, Assistant Professor/IT 3 days ACM Chapter sponsored an International FDP titled "Data Science and its Applications" organized by University of Technology and Applied Sciences (UTAS) Ibri, Sultanate of Oman from 5th to 7th Feb 2024

Mrs.M.Nithyakalyani, AP/IT, 6 Days Offline FDP from 12-02-2024 to 17-02-2024 on "Ethical Hacking" Sponsored by Anna University, venue at SSMIET Dindigul.

Dr.C.Callins Christiyana, Professor and Head attended 2 days FDP on "Outcome Based Education" organised by Quiklrn in association with SRM Madurai College for Engineering and Technology during 23.09.23 and 24.09.23

Dr.C.CallinsChristiyana, Professor and Head attended 5 days online FDP on "Salesforce Platform Developer 1" organised by ICT Academy during 02.01.24 and 06.01.24

Dr.C.CallinsChristiyana, Professor and Head attended 5 days online FDP on "Salesforce Platform Developer 1" organised by ICT Academy during 02.01.24 and 06.01.24

Dr.T.Premkumar, Assistant Professor of Mechanical, SRM MCET, attended 6 days FDP from 15.01.2024 to 20.01.2024, on the topic "Electric Vehicle" offered by ATS's Sanjay Bhokare Group of Institutes, Miraj

Dr.T.Premkumar, Assistant Professor of Mechanical, SRM MCET, attended 6 days FDP from 21.08.2023 to 26.08.2023, on

the topic "Multiverse Approach to Upskill Professionals in Contemporary Environment " offered by SRM MCET, Madurai Dr.K.Balamurugan Associate Professor / Mechanical, 6 Days Online FDP from 30- 10-2023 to 04-11-2023 on "Recent Advancements in Materials, manufacturing, and Technology" organised by Swarnandra College of Engineering and Technology, Narasapur, Andhra Pradesh.

Dr.K.Balamurugan Associate Professor / Mechanical, 6 Days Online FDP from 04- 01-2024 to 12-01-2024 on "IPR and Draftinhg" organised by AMET University, Chennai

Dr.R.Ashok Kumar, AP C HoD/Mech., 4 Weeks (Jan-Feb 2024) NPTEL - AICTE sponsored FDP on "Inspection and Quality Control in Manufacturing" organised by IIT Roorkee.

Dr.R.Ashok Kumar, AP C HoD/Mech., 12 Weeks (Jan-Apr 2023) NPTEL - AICTE sponsored FDP on Product Design and Manufacturing organised by IIT Kanpur.

Dr.A.N.Balaji, Professor / Mechanical, 6 Days Online FDP from 30-10-2023 to 04- 11-2023 on "Recent Advancements in Materials, manufacturing, and Technology" organised by Swarnandra College of Engineering and Technology, Narasapur, Andhra Pradesh.

Dr.A.N.Balaji, Professor / Mechanical, 8 Weeks (Aug-Oct 2023) NPTEL - AICTE sponsored FDP on "Advanced Machining Processes" organised by IIT Guwahati

Dr.A.N.Balaji, Professor / Mechanical, attended a 6-day ATAL Academy FDP from 11-12-2023 to 16-12-2023 on "Techniques for Data and Knowledge driven Multi- Criteria decision Models" organised by PSNA College of Engineering and Technology, Dindigul.

SEMINARS / CONFERENCES ORGANISED

Dr.K.Balamurugan Associate Professor of Mechanical Engineering, organized a webinar on "Machine learning and optimization algorithms", on 30-9-2023.

Dr.R.Ashok Kumar, AP C HoD/Mechanical Engineering, convened arranged conference on "Quality Circle Forum of India (QCFI) – An Introduction" on 14.10.2023

The faculty of CSE and IT jointly organized a seminar on "Career Exploration and Skill Development" for CSE and IT Students on 04.11.23

The faculty of EEE organized a seminar on "Awareness on Startup and Entrepreneurship" on 9.11.2023.

Dr.R.Ashok Kumar, AP C HoD/Mech. C Dr.P.Deepamangai, AP/EEE, " My Story - Motivational Session by Successful Entrepreneur / Start-up founder" on 25.11.23

The Department of EEE organized a seminar on "Electrical Energy Conservation C Electrical Safety" for the students of EEE and all teaching and non-teaching staff at SRM Madurai College for Engineering and Technology, on 19.12.2023.

Dr. Angelin Lincy G convened an offline Interactive Session on "Exploring the Frontiers of Research: Unveiling Opportunities and Confronting Challenges" on 13.02.2024



SRM MADURAI

COLLEGE FOR ENGINEERING AND TECHNOLOGY

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai



FIRST SERIES OF NATIONAL CONFERENCE

NCON'2024

APRIL 15th - 17th, 2024

TECHNICAL SPONSORS




EVENT SPONSORS





With the noble vision that knowledge that is unlimited and manifold which can be gained and explored through healthy exchange of ideas, SRM MCET in the first year of its inception arranged for a National level 3-day series of conferences from April 15 – 17 2024 in the domains of EEE, ECE, CSE, IT, Civil, and Mechanical. Two significant factors about the conduct of this NCON'24 were: firstly, it was meticulously planned by the collective team of SRM MCET in September 2023, and secondly the executive body who materialize this plan was the students of SRM MCET. The synergy was so full of vitality that pulled academicians from prestigious institutions, technocrats from illustrious organisations, and startup & veteran industrialists from renowned concerns. The blend was impressively strong in tuning the minds of learners. The interaction was so healthy and vibrant with whys and why nots and the sessions were resourceful with latest update of technology and the industrial needs. Participants across the nation thronged at SRM MCET auditorium. And for those requested, online presentation was arranged. In short the 3-day national conference was an eye-opener to the students.



SEMINARS / CONFERENCES ATTENDED

Dr.R.Ashok Kumar, AP C HoD/Mech., Conference Paper "Carbon C Silicon Based Alloy Wheel Structural Study using ANSYS" International Conference on Emerging Trends in Materials, Energy, Electronics & Information-ICETMEEI-2023, Organized by PSN Institute of Technology on 21-09-2023.

Dr. AngelinLincy G, AP/Civil attended a seminar organized by ICT Academy of Tamilnadu, on Bridge '23 (52nd edition) – Madurai, A High impact Industry- Institute Interaction Event of India, on 30th Sep2023,

Dr.R.Ashok Kumar, AP C HoD/Mech., One Day 30-09-23 BRIDGE'23 organised by ICT Academy, Venue: Courtyard Hotel, Madurai

Dr. AngelinLincy G AP/Civil, attended a lecture meeting on "Key Environmental Regulations and Approval Procedures in India", Organized by Institution of Engineers, Madurai Local Centre on November 18, 2023.

Dr. R. PremaSumathi, Nationalconference on Recent trends in Mathematics and its Applications in Association with Dr. V.Swaminathan Endowment on 21,22 December 2023.



On 29.09.2023, the faculty of EEE conducted a webinar on "Wearable Antennas for Body Area Communications" . Dr. S. Bashyam from SRM Institute of Science and Technology, delivered the lecture.



On 29.09.2023, Dr.A.N.Balaji, Professor/Mechanical, arranged a webinar on "Recent Advancements in Engine Technology". The expert was: Dr. S.Gowthaman, Kalasalingam Academy of research and Education.



On 29.09.2023, Dr.J.Jeyaranjani, Assistant Professor/IT organized a webinar on "Scratch Coding Visual Interface", The resource person was Dr. S. Vidhya, Associate Professor, Sri Sai Ram Institute of Technology.



On 30.09.2023, Dr.S.J.Subhashini, Asso.Professor/IT, organized an Online Quiz Contest on Machine Learning and 63 students took the test and clarified their queries pertaining to the subject.



On 30.09.2023, Dr.C.Callins Christiyana of CSE.organsed a webinar on the topic "Artificial Emotional Intelligence". Faculty and Students of various Engineering Colleges attended and benefitted.



On 30.09.2023, Dr.K.Balamurugan Associate Professor of Mechanical Engineering held a webinar on "Machine learning and optimization algorithms", The Resource Persons were Dr.S.Kavitha, Asso. Prof from Department of Mechanical Engineering, Kalasalingam University, and Dr.G.S.Samy, Associate Dean Research and Development, Academy of Maritime Education and Training, Chennai.



On 05.10.2023, Dr. Callins Christiyana Professor and Head of CSE, convened a webinar on "Wearable Device"



On 12.10.2023, Dr.T.Dhivya, AP/Mathematics organized a webinar on "Multi Objective Network Optimization". Students, Research Scholars, and Academicians of various institutions were the participants.



On 12.10.23, Dr. AngelinLincy G, conducted a Webinar, "Design for Construction Ergonomics". Dr.C.Vigneshkumar, PhD (IIT Guwahati) delivered the lecture.



On 13.10.2023, Ms.M.Nithyakalyani, AP/IT, convened a webinar on "MASTERING THE FUTURE: A JOURNEY INTO THE WORLD OF ROBOTICS", Dr.M.Sabareeswaran, Associate Professor/ Mechanical Department, SSMIET delivered the lecture.



WEBINARS ORGANISED



On 31-08-2023, Dr.R.Ashok Kumar, AP & HoD/Mech., organized on the topic "Introduction to PLM and its career opportunities". The invited expert was Mr. Vasanth Selvaraj, PLM Consultant, LMtec Digital Solutions GmbH, Germany.



On 24.09.2023, Dr.T.Premkumar, Assistant Professor/Mechanical organized on the topic "Modern 3D Printing and its Prospects". The expert was Dr.K.Mayandi, Associate Professor, Kalasalingam academy of Research and Education.



On 26.09.2023, Dr.R.Ashok Kumar, AP & HoD/Mech., organized "Quality Assurance : Bridging the Gap Between Mechanical Engineering and Software Testing ". The resource person was Mr.Anandaraj Selvaraj, Stores & Digital Test Lead, Cognizant Technology Solutions, Australia.



On 26.09.2023, the faculty of EEE hosted a webinar on "Cyber-Physical Power Systems (CPPS)". Dr. G.Y. Rajaa Vikhram, Assistant Professor of Electronics and Instrumentation Engineering, SRM University, Kattankulathur, was the resource person.



On 27.09.2023, Dr.A.N.Balaji, Professor/Mechanical, arranged a webinar on "Awareness program on IPR Registration", The expert was Dr. M.Sivasubramanian, Associate Professor, Department of Automobile Engineering, Kalasalingam Academy of research and Education.



On 14.10.2023, Dr. R. PremaSumathi, AP/Mathematics organized a webinar on “The role of Mathematics in Artificial Intelligence”. The event was conducted in Hybrid mode. Dr. C.Paramaeshwaran, Asso.Professor, was the resource person.



On 18.10.2023, Dr.R.Ashok Kumar, AP &HoD/Mech. & Dr. Angelin Lincy, AP&HoD, Civil, jointly organized a webinar on "Emotional Intelligence", Mr.Prashanth Ganesh, Chief Operations Officer, PreSkale, Coimbatore, delivered the information.



On 19.10.2023, the Department of Electrical and Electronics Engineering hosted an online webinar focusing on “Carbon Capture Utilization and Storage” Dr. S. Rajalingam, an Associate Professor from Saveetha Engineering College gave the input.



On 20.10.2023, Dr.C.CallinsChristiyana of CSE.organised a webinar on the topic “AI for Remote Sensing”. Faculty and students of various Engineering Colleges attended the program.



On 21.10.2023, Dr.R.Ashok Kumar, AP & /Mech., organized a webinar on "Quality and Design in Oil & Gas, Chemical and Power industries“. The expert was Er. Sailosh TK, Piping Engineer, Worley.



On 21.10.2023, Dr.P.Gandhimathi, AP/Physics, organized a webinar on "Impact of Quantum Dots on Engineering" that covered a wide range of topics related to quantum dots and their applications in various engineering fields. Dr.M.Priya Professor- Associate Dean - Research of Saveetha Engineering College, was the expert.



On 24.10.2023, Dr.R.PremaSumathi, AP/Mathematics organized a webinar on “Applications of Differential Equation in Engineering Field”. Students of I semester were the beneficiaries.



On 25.10.2023, Dr.D.Malathy, Assistant Professor of Chemistry, convened a webinar on "Nanofibres for Different Applications“. S.Sowmya, of Vels Institute of Science, Technology and Advanced Studies, Chennai, delivered the lecture.



On 27.10.2023, Dr.S.J.Subhashini, Asso.Professor and Head /IT, organized a webinar on “Applications of AI and ML in Healthcare”. The resource person was Mr. B.Geluvraj, ASP/CSE, New Horizon College of Engineering, Bengaluru.



On 28.10.2023, Mr C HariNainyar Pillai, AP/CSE, organized a webinar on "Intelligent Agents a Paradigm shift to Information Technology".



On 28.10.2023, Dr.P.Gandhimathi AP/Physics, organized a webinar on “Future of Wireless Technology-Li-Fi”. Dr. B. Anitha Vijayalakshmi, Professor of Electronics and Communication Engineering, Saveetha School of Engineering SIMATS, Chennai delivered the lecture.



On 29.10.2023, Dr.A.N.Balaji, Professor/Mechanical, convened a webinar on "for Innovation“. The expert was Dr.S.ThangaKasiRajan, Associate Professor / Mechanical Engineering, Kamaraj College of Engineering and Technology, Virudhunagar.



On 30.10.2023, Dr. S. Anitha, AP/Mathematics organized “An Amperometric Biosensor: Steady State Current in the Case of Substrate and Product Inhibition by Adomian Decomposition Method”. Students, Research Scholars, and Academicians of various institutions participated in it.



On 31.10.2023, Dr.A.N.Balaji, /Mechanical, hosted a webinar on "Industry 4.0 and its applications", and the expert was Dr. N.Balaji, Prof/Mech. Sri Krishna College of Engineering and Technology, Coimbatore.



On 03.11.2023, Dr.R.Ashok Kumar, AP &HoD/Mech., arranged for a talk on "Synthesis and of Nanomaterials“ by Dr.Raghav GR Associate professor / Mech., SCMS school of Engg. and Tech., Ernakulam.



On 04.11.2023, Dr.CallinsChristiyana of CSE, organized a webinar on “Generative AI in Healthcare”. Dr. M. Poonkodi of Vellore Institute of Technology delivered the lecture.



On 04.11.2023, Dr.J.Jeyaranjani, Assistant Professor/IT, held a webinar "Data Science Usecases", The resource person was Dr. DeepaDhevanan, Technical Lead – AI/ML, Rudhra Info Solutions, .



On 08.11.2023, Dr.S.J.Subhashini, Asso.Professor and Head /IT organized a webinar on “THREATS & SECURITY MEASURES”. Dr.S.K.Somasundaram, from VIT University, Velloore Campus was the expert.



On 16.11.2023 Dr.C.CallinsChristiyana of CSE.organised a webinar on the topic “Impact of Open source software and its Applications”



On 18.11.2023, Dr.R.PremaSumathi, AP/Mathematics conducted a webinar on “Training on Mathematics Shortcuts”



On 25.11.2023, Dr.R.Ashok Kumar, AP &HoD/Mech, organized a webinar on "Artificial Intelligence". The expert was Mr. Balakumaran, Product Architect, Ideas 2IT Technologies.



On 25.11.2023, Dr.J.Jeyaranjani, Assistant Professor/IT, conducted a webinar on "An Insight in Machine Learning". Mrs.V.Viancy, Assistant Professor, Department of Information Technology, Loyola-ICAM College of Engineering and Technology, Chennai delivered the lecture.



On 25.11.2023, Dr.KBalamurugan Associate Professor/Mechanical Engineering hosted a webinar on "Research Scope in Functional Gradient metal matrix composites". The resource person was Dr. S. Suresh Kumar, ASP, Mechanical Engg, Kalasalingam University.



On 26.11.2023, Dr.A.N.Balaji, Professor/Mechanical, held a webinar on "Artificial Intelligence and Its Applications". The expert was Mr. R.AnandhaMurugan, Chief Technology Officer, Pruvity Group, India&Dubai. Co-founder of HR Blu Sky & MteamZ.



On 26.11.2023, Dr. Angelin Lincy G AP/Civil, held a webinar on "Applications of AI in Transportation Engineering".



On 28.11.2023, Dr.KBalamurugan Associate Professor/Mech., held a webinar on "Advanced Electric Vehicle". The resource person was Dr.M. Venkatesan, Prof & Head, ECE, Dhanalakshmi Srinivasan College of Engineering, CBE.



On 30.11.2023, Dr.R.Prema Sumathi, AP/Mathematics conducted a webinar on "Mathematical Model in Weather Forecasting". Participants from other institutions actively interacted with the resource person and gave good feedback for the session.



On 08.01.2024 Dr.R.Ashok Kumar, AP & HoD/Mech., arranged for a talk on "Behaviour Based Safety", delivered by Venkatesh Babu, Head EHS & S, Murugappa Morgan Thermal Ceramics Ltd., Ranipet.



On 10.01.2024, Dr.KBalamurugan Associate Professor/ME organized a webinar on "Advance Engineering in Oil & Gas Industries". The resource person was Mr. N.K. Vijay, Senior Project Planner, Atkins Realis, Chennai.



On 12.01.2024, Ms.G.Aninitha, AP/CSE, arranged a webinar on "Augmented and Virtual Reality". Dr.S.Sridevi of NIT Trichy was the resource person.



On 27.01.2024, Dr.T.Premkumar, Assistant Professor/Mechanical Engineering organized a webinar on "CFD Modeling in Industry 4.0". The expert was Dr.M.Muthukannan, Professor, Department of Mechanical Engineering, SSM Institution of Engg. and Tech.

WEBINARS ATTENDED

Dr.J.Jeyaranjani attended a Webinar on "For AI in fashion design" sponsored by IEEE, Delhi & IPC, AICTE organized by BVICAM, New Delhi on 9.9.2023

Dr.J.Jeyaranjani attended 3 days "Workshop attended" "Data Science for Healthcare Applications" organized by SRM Madurai College for Engineering and Technology from 22.01.2024 to 24.01.2024.

Dr.J.Jeyaranjani attended Webinar on "Financial Empowerment and Career Opportunities in Financial and Securities Market" organized by Aditya College of Engineering, Andhra Pradesh on 4-1-2024

Ms.G.Aninitha attended 3 days "Workshop Attended by" "Data Science for Healthcare Applications" organized by SRM Madurai College for Engineering and Technology from 22.01.2024 to 24.01.2024.

Ms.G.Aninitha attended an International webinar titled on "Project Automation Tool" organised by Department of Computer Science and Engineering on 14-02-2024.

OTHER CURRICULAR ACTIVITIES

On 25.11.23 in association with CSI Professional Society, Dr.S.J.Subhashini, Asso.Professor and Head /IT, organized a Multimedia Presentation on Digital Era.

On 14.10.2023, Dr. J. Jeyaranjani, Assistant Professor, Dept. of IT, organized a Project Presentation Contest in which all 53 students from B.Tech.AIDS participated in the contest as a team. The students presented a variety of projects through a short animation.

On 18.11.2023, Dr. J. Jeyaranjani, Assistant Professor, Dept. of IT, organized a Technical Connection Contest in which 72 students participated in teams.

On 25.11.2023, Dr. J. Jeyaranjani, Assistant Professor, Dept. of IT, organized Poster Presentation Contest on the topic "Digital Era" in which 38 students actively participated and presented their original ideas.

On 25.11.2023, Dr.C.Callins Christiyana, Professor and Head, Dept of CSE, organized "Code Exploding" contest in which students of CSE, AIML, Cyber Security actively participated and benefitted.

On 04.11.2023, Dr. M.Sangeetha, Assistant Professor, Dept. of CSE, organized Blind Coding contest in which 156 students contested and showcased their skills.

On 30.10.2023, Dr.S.Chithiravel, Librarian, organized an online Library Quiz: LIST Test Series -7 on the Topic: Library and Information Science.

PATENTS FILED

Dr.P.Piramanayagam, Assistant professor Dept of Chemistry filed the following 4 Patents:

1. Title of the invention : INNOVATIVE DNA-BASED NANOPROBES FOR FLUORESCENT IMAGING OF CANCER CELLS

1st inventor

The Patent Office Journal No. 14/2024 Dt. 05/04/2024

Application No.202441026395 A

Publication Date : 05/04/2024

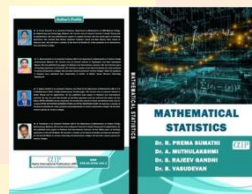
2. Title of the invention : EXPLORING BISMUTH-BASED DOUBLE PEROVSKITES FOR SOLAR CELLS USING MACHINE LEARNING PERSPECTIVE

2nd inventor

The Patent Office Journal No. 07/2024 Dt. 16/02/2024

Application No.202411008396 A

Publication Date : 16/02/2024



Dr. R. PremaSumathi , AP/ SCH, Published a book titled "MATHEMATICAL STATISTICS" with ISBN number : 978-93- 5762-124-3 as 1st author

3. Title of the invention : PD-LOADED BISMUTH FERRITE (BIFEO₃): A PEROVSKITE FOR ACETONE GAS SENSING AND PHOTOCATALYTIC DYE DEGRADATION

2nd inventor

The Patent Office Journal No. 10/2024 Dt. 08/03/2024

Application No.202441008506 A

Publication Date : 08/03/2024



Dr.A.N.Balaji, Professor of Mechanical Engineering, published a book titled "GEOPOLYMERIC COMPOSITE MATERIALS", Veda Publications, 2023.1st author

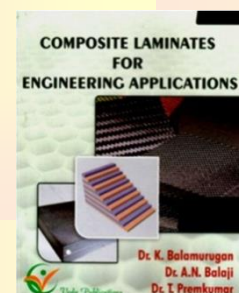
4. Title of the invention : BISMUTH FERRITE NANOPARTICLES IN FUNCTIONAL NANOCHANNELS: A NOVEL APPROACH TO ENHANCE 4-AMINOPHENOL DETECTION

3rd inventor

The Patent Office Journal No. 10/2024 Dt. 08/03/2024

Application No.202411014908 A

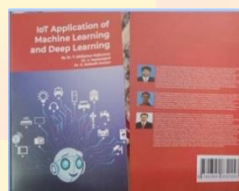
Publication Date : 08/03/2024



Dr. Balamurugan, Dr.A.N.Balaji, Dr.T.Premkumar, Faculty of Mechanical Engineering published a book on "COMPOSITE LAMINATES FOR ENGINEERING APPLICATIONS", Veda Publications, 2023, 1st author

Dr.Balamurugan, ASP/Mechanical Engineering, registered the following patent:

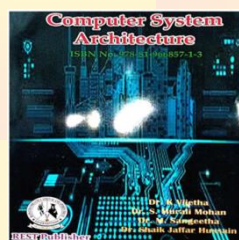
- Title of the Design: Virtual Reality Headset
Design number: 6337469
Grant date: 23 January 2024



Dr.J.Jeyaranjani, Assistant Professor/IT published a book titled "IOT APPLICATIONS OF MACHINE LEARNING AND DEEP LEARNING", Lulu Publisher, December 2023

Dr.A.N.Balaji, Professor/Mechanical Engineering, registered the following patent:

- Title of the Design: Accident Detector Helmet
Design number: 6349208
Grant date: 05 March 2024



Dr.M.Sangeetha, Assistant Professor (CSE), published a book titled "COMPUTER ARCHITECTURE" with ISBN number: 978- 81-966857-1-3

Dr.T.Dhivya, AP/Maths, registered the following patents

- Title of the invention : INNOVATIVE DNA-BASED NANOPROBES FOR FLUORESCENT IMAGING OF CANCER CELLS

2nd inventor

The Patent Office Journal No. 14/2024 Dt. 05/04/2024

Application No.202441026395 A

Publication Date : 05/04/2024

- Title of the invention : BISMUTH FERRITE NANOPARTICLES IN FUNCTIONAL NANOCHANNELS: A NOVEL APPROACH TO ENHANCE 4-AMINOPHENOL DETECTION

4th inventor

The Patent Office Journal No. 10/2024 Dt. 08/03/2024

Application No.202411014908 A

Publication Date : 08/03/2024

BOOKS PUBLISHED



J.Bimal Roy, Assistant Professor / English, published a book titled "AI AND ML RESEARCH METHODOLOGY", Cosmas Publication, 2024 as 1st author

PROJECTS PROPOSED

Dr. S. Anitha , AP/S&H-Maths, submitted a projectproposal to "Science and Engineering Research Board(SERB)" on 31.01.2024

Dr.D.Malathy, AP/Chemistry, Submitted ProjectProposal to "Science and Engineering Research Board(SERB)" on 10.02.2024

Dr.R.Ashok Kumar, AP &HoD/Mech., submitted aproposal for seeking GRANT-IN-AID from DRDO fororganizing a Three Day Workshop titled "ElectricVehicle: Current Trends and Future Prospects" from20.06.2024 to 22.06.2024.

Dr.R.Ashok Kumar, AP &HoD/Mech., submitted aproposal for seeking Financial support from CSIR, NewDelhi for organizing a National Conference on "CuttingResearch Technology in Mechanical Engineering" on20th April 2024

SPORTS

NATIONAL – LEVEL CHESS CHAMPIONSHIP



03.09.2023 was one of the most memorable days in the sports history of SRM MCET. With the official approval of TNSCA (TAMILNADU STATE CHESS ASSOCIATION Event Code: CO-53/SIV/23-24) SRM MCET jointly with Global Sports Foundation (Affiliated to Madurai District Chess Circle) and with the support of Sivagangai District Chess Association, convened the State Level Chess Tournament for students of four categories (under 9, 14, 17, C 19 for boys and girls separately) in its premises. The auditorium was thronged with 240 young and enthusiastic players and viewers. The halls were vibrant with the sparkling minds and their agile hands on chess pieces. For everyone it was a breathtaking moment to witness those pretty 6-year-olds making smart moves of their chess pieces nimbly with childish curiosity, while the 18-year-olds placed the pieces soberly with meticulous and meditated planning. SRM MCET Physical Director Dr.Sathish Kumar, Chief Guest Mr.Kannan, and the organising team members of SCH faculty and Chess Association, announced the winners list and distributed the prizes. On the whole, the 1st State Level Children's Chess Tournament at SRMMCET was a grand success.



ANNA UNIVERSITY ZONE-16 TOURNAMENTS



On 06.10.2023, a team of SRM MCET boys participated in the Table Tennis match at KLN College of Engineering, and reached up to the Quarter Finals



From 31.10.2023 to 02.11.2023 SRM MCET Cricket team participated in the tournament held at AlagappaChettiar Engineering College, Karikudi, and played up to the Quarter Finals



On 18.10.2023 students(13 Men; 8 Women) of SRM MCET participated in the Men and Women's Chess Tournament organized in the campus and the men secured the 10th position out of 13 teams, while the women secured 5th out of 8 teams



On 07.11.2023 SRM MCET Football team participated in the tournament held at AlagappaChettiar Engineering College, Karikudi, and played in the first round.

ALL INDIA
CARROM FEDERATIONTAMILNADU
CARROM ASSOCIATION

48th JUNIOR NATIONAL CARROM CHAMPIONSHIP 2023-24

VENUE : **SRM MCET AUDITORIUM**DATE : **10-02-2024 to 13-02-2024**SRM Madurai
College for Eng.&TechMADURAI DISTRICT
CARROM ASSOCIATION

10.02.2024-13.02.2024 was one of the most prestigious moment for SRM MCET. In the very year of its inception SRM MCET attracted the organisers of **48th Junior National Carrom Championship 2023-24** amidst competition from several other institutions. With the Chairman of the institution and the Minister of Commercial Taxes, Registration and Stamp Law having inaugurated the function, more than 500 participants with 150 referees and officials from 25 states across India enjoyed their stay. Astute minds with their youthful charm and vigour astonished everyone around with their trained agility and instant smartness.



PONGAL CELEBRATION AT SRM MADURAI



As part of student-initiated activities, Pongal Day was celebrated in the premises on 11.01.2024. Under the aegis of the management, students took the lead to organise and celebrated the “Tamizhar Thirunal” with various sport events all day marking the heraldry of Pongal 2024. There was jubilation in the air, enthusiasm in their hearts, and vibrance in their spirits. With the guidance and support of the teaching and non-teaching faculty, the students arranged the celebration. On the day, students came in traditional attire i.e. in dhotis and sarees and began the celebration by offering prayers to the Sun - one of the perennial energy sources to all forms of lives and technologies. The celebration was fun-filled with various activities that had the traditional flavour in their nature and theme, encapsulating the ethical values and encouraging a sense of togetherness and a culture of reciprocity.