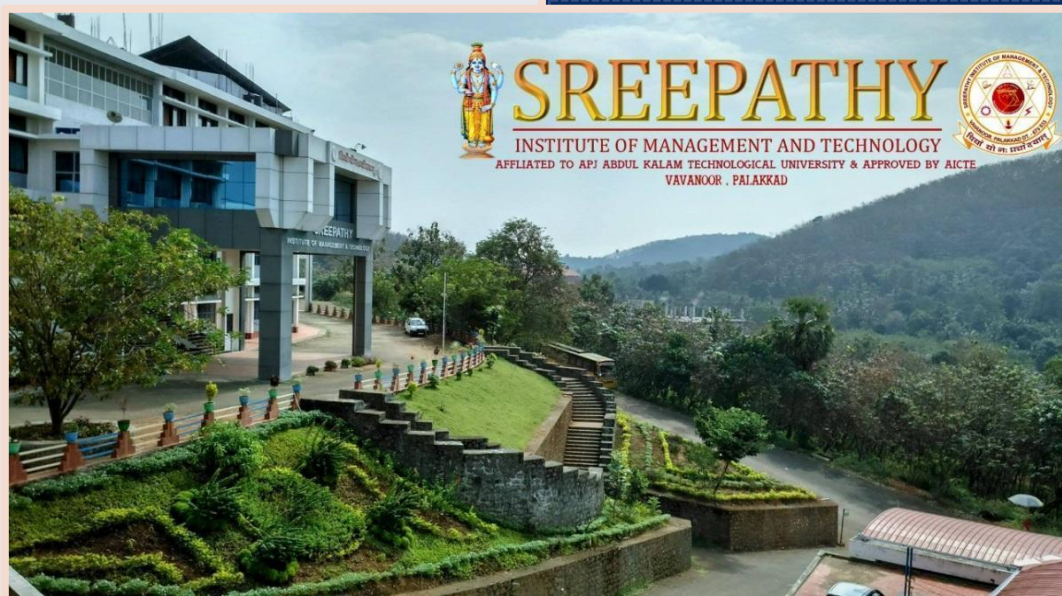


SREEPATHY

MONTHLY NEWS LETTER



ISSUE No :02
FEB 2024

REPORT ON COMPLETION OF ARDB PROJECT

POWER MANAGEMENT SYSTEM FOR ENERGY-EFFICIENT HYBRID POWER SOURCE
FOR UAV (ARDB Project ID: 1081994)

**SREEPATHY**
INSTITUTE OF MANAGEMENT AND TECHNOLOGY
Sreepathy Campus, Vavanoor P.O., Pattambi, Palakkad - 679 533


APPROVED AFFILIATED ACCREDITED INSTITUTION

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DR. K T MADHAVAN



MR. SUGESH M S



MS. PRASEEJA N V

Successfully completed ARDB project of Govt. of India “Power Management System for Energy Efficient Hybrid Power Sources for UAV”

The R&D Department of Sreepathy Institute of Management and Technology submitted the final report on the successful completion of the grant-in-aid project "POWER MANAGEMENT SYSTEM FOR ENERGY-EFFICIENT HYBRID POWER SOURCE FOR UAV". The project was funded by the Aeronautics Research and Development Board (ARDB) with a grant of ₹18.514 lakhs. The project work spanned two years, starting on [03/11/2021] and completed on [02/11/2023] with final presentation on 05th Feb 2024.

Sreepathy expresses sincere gratitude to the ARDB for funding and continuous support for the project. The support extended by Dr. P. V. S. Murthy, Chef Scientist and Head, UAV Division, CSIR-NAL and his colleagues throughout the work is gratefully acknowledged. We also extend our heartfelt appreciation to the college management for providing necessary infrastructure, resources, and unwavering encouragement. Finally, we thank our dedicated team members and staff whose valuable contributions were instrumental in the project's success.

The ARDB-funded project on the hybrid power management system for UAVs has been a resounding success. The developed system offers significant improvements in flight time, efficiency, and payload capacity, demonstrating its potential to revolutionize various applications in surveillance and beyond. This project has laid a strong foundation for further advancements in UAV technology.

ENTREPRENEURSHIP AWARENESS PROGRAMME

IEDC-SIMAT in association with MSME-DFO, THRISSUR organised a One-day expert talk on " ENTREPRENEURSHIP AWARENESS", on 02nd Feb 2024 from 10:00 am to 4:00 pm. The session was conducted in the seminar hall. A total of 68 students attended the session.



The session started with a welcome note by Mr. Krishnan K N, Nodal Officer IEDC-SIMAT. Adv. Mr. Peethambaran K introduced the president of the session to all the participants. The session was chaired by Mr. Jayan C Padmanabhan, Managing Director, SAICO Pvt. Ltd. and President, Kerala Vyapari Vyavasaya Ekopana Samithi, Kulappully unit. Dr. S. P. Subramanian, Principal, inaugurated the session. After the inauguration Mr. Jayan C Padmanabhan, in his presidential address, explained the role of MSME in enhancing and supporting the entrepreneurial activities in Kerala. He pointed out the need for awareness programmes to the students. Mr. Sreeram Pillai, Instructor, MSME-DFO, Thrissur, delivered the vote of thanks.

After the formal sessions, Mr. Sasidharan V K, Rtd. Manager, Canara Bank introduced the schemes available for entrepreneurs. He pinpointed the need of understanding different



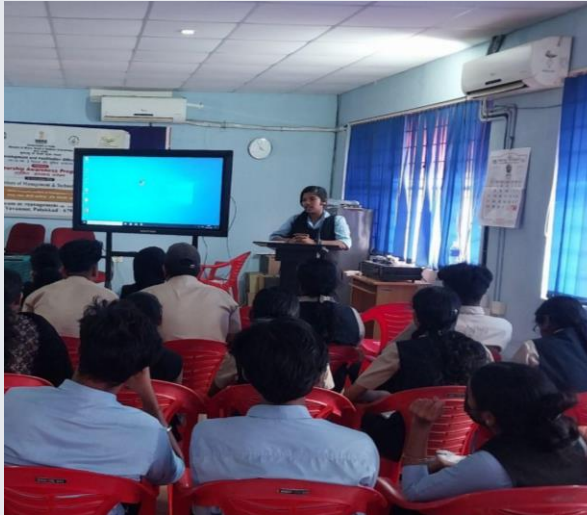
schemes before applying for loans and also pointed out a clear picture of the activities to be completed before approaching the bank for a loan.

The schemes of Govt. of Kerala in enhancing the entrepreneurial ecosystem was well explained by Mr. Sabir, Entrepreneurship Development Executive, Nagalassery Panchayath. He also listed some industries who availed different schemes in and around Nagalassery Panchayath.

Mr. Jethuram V, Instructor, MSME-DFO, Thrissur, explained the roles, programmes and policies of MSME in building and enhancing the entrepreneurial ecosystem in Kerala.

Adv. Mr. Peethambaran K handled the motivation session. He asked the students about their ambitions and also gave some ideas on how to scale up the ambitions.

Student feedback was collected at the end of session and Ms. Sreelakshmi P C, participant from S4 ME gave the feedback on the entire session. The session concluded at 4 pm.

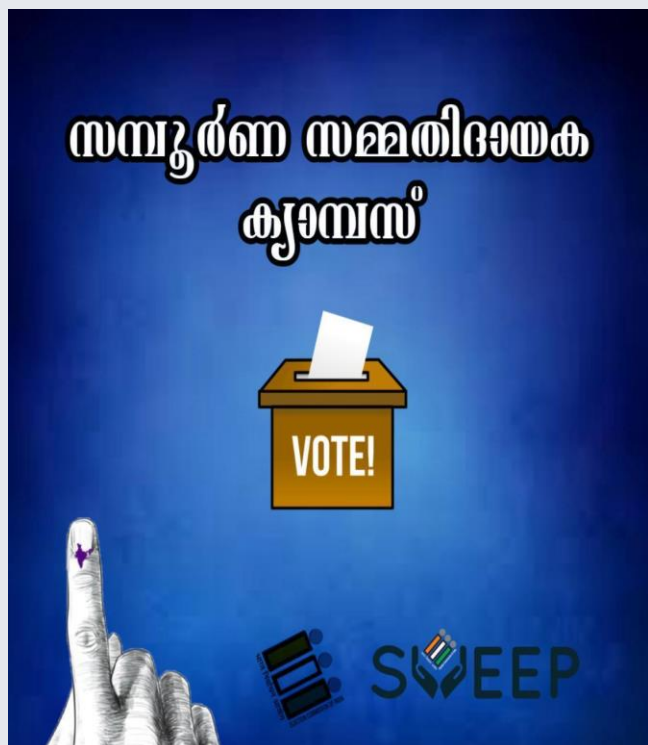


COMPLETE VOTER CAMPUS (SAMPOORNA SAMMADIDAYAKA CAMPUS)

This is an initiative of Election department to enrol all students of an educational institution into voter list and make them apply for voter ID.

This campaign started a week back collection of details of students through google form made by Mr. Hithes P (Electoral club coordinator). Students and staff were allotted specific time the campaign.

On 15th Feb 2024, staffs of Pattambi Taluk Mr. Sundaran, Mr. Rohith and Mr. Ragesh (Old student of SIMAT and Clerk of Pattambi Taluk) arrived in the college auditorium and explained the procedure to apply for voter ID.





Students of S6 CSE department Mr. Siddharth, Mr. Anand and Mr. Nikhil volunteered for helping the students in fetching their voter ID.

Earlier the day Mr. Hithes P (Nodal Officer for Electoral Club) welcomed the officials, Mr. Ragesh explained the modus operandi of applying for voter ID.

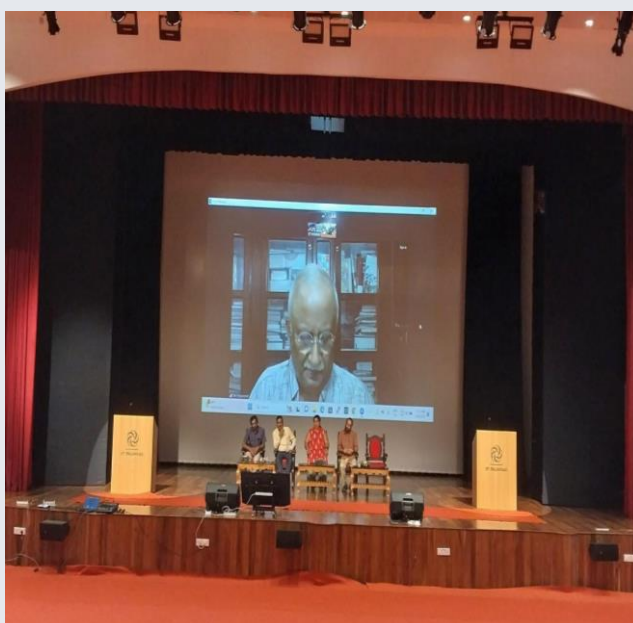
55 students from various departments of SIMAT and 5 students of SIAS participated in the campaign.

ENGLISH LANGUAGE FOR COMPETITIVE EXAM - NPTEL ONLINE COURSE

The online NPTEL course commenced on 22nd Jan 2024. The duration of the course is 12 weeks. The course ends on 12th April 2024. All of the students of S2 2023 batch have enrolled to the course in the month of December 2023 itself. All of the students registered for the exam as well. Tentative date for the offline exam is 24th April 2024. An awareness about the course has given to all students, like assignment submission on time, minimum number of assignments to be submitted in order to eligible for certificate. A sample demonstration of the Lecture videos & assignment uploaded in the NPTEL portal have own to all students through the interactive display in the seminar hall. The link to access the lecture videos & assignment uploaded in the NPTEL portal is already shared through students WhatsApp group.

REGIONAL WORKSHOP ON LOCALISED SUSTAINABLE DEVELOPMENT GOALS

Unnath Bharath Abhiyan (UBA) is a flagship program of Ministry of Education, GoI, with a vision of transformational change in rural development processes by leveraging knowledge institutions to help build the architecture of an Inclusive India and to have a paradigm shift in academic and research programs of the country. Sreepathy Institute of Management and Technology is one among the Participating Institutes (PI) of the programme. On 24th Feb 2024, IIT Palakkad, the Regional Coordinating Institute (RCI) for Northern Kerala organised a One Day Regional



Workshop on Localised Sustainable Development Goals from 10 am to 5 pm at Agora Auditorium IIT Palakkad, Nila Campus, Kanjikode. Mr. Krishnan K.N, UBA Coordinator, SIMAT attended the workshop.

FACULTY DEVELOPMENT PROGRAM ON “COUNSELLING & ACADEMIC MENTORING”

Human Resource Development Centre of APJ Abdul Kalam Technological University organized a 5-Day FDP on “Counselling & Academic Mentoring” at Model Engineering College, Ernakulam from 5th to 9th Feb 2024. Two faculties from Sreepathy, Mr. Syam Prasad G (AP/ME) & Ms. Uma Maheswari P B (AP, AS&H) attended the program. After registration, the inaugural session started at 9.30 am on 05th Feb 2024. The programme was inaugurated by Dr. Vinu Thomas (Dean-Academics, KTU).



STUDENT LEADERSHIP TEAM

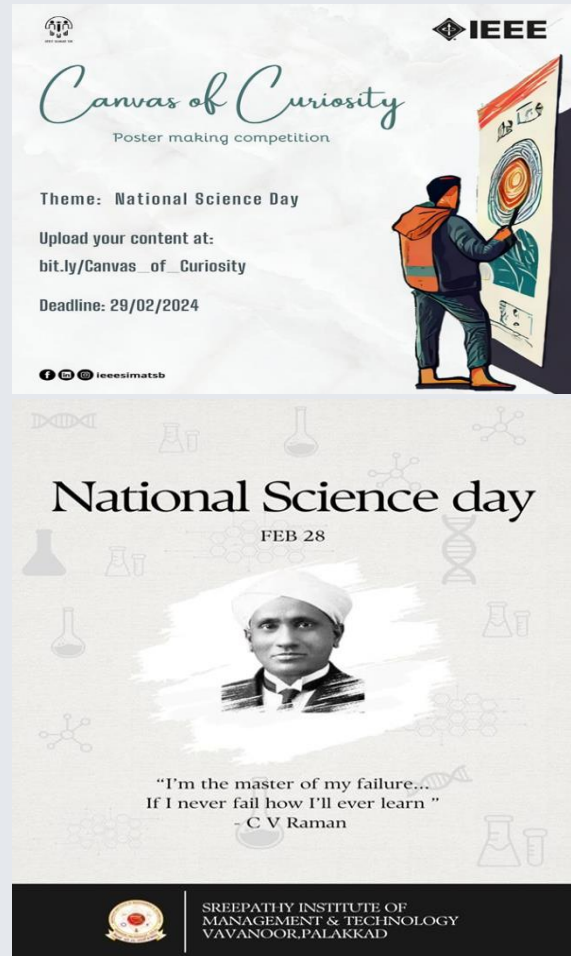
IEEE SB SIMAT invited all its members to form the Student Leadership team 2024 to put forward a step to showcase their leadership talents to empower others. Nominations were open for EXECOM, SIGHT, WIE, Web team, Content team, Design team, and Program committee. Around

58 members participated in the interview. The interview was conducted online and the members for various positions were selected based on their skills and performance during interview. The selections will be announced in the AGM.



CANVAS OF CURIOSITY – POSTERMAKING COMPETITION

IEEE SB SIMAT has conducted CANVAS OF CURIOSITY - Poster Making Competition. The theme was National Science Day. The deadline of the event was on 29th Feb 2024. The event was exclusive to all IEEE members. There were around 20 participants.



TRAUMA AWARENESS SESSION & NATIONAL TOOTHACHE DAY

NSS unit 233 conducted a Trauma Awareness Session along with a Dental Awareness Session on Feb 9th, 2024. The volunteers and the students of 1st year were asked to be seated in the seminar hall at 2:30 pm for the session. The program was handled by Dr. Arun V and Dr. Aswathy K on behalf of Indian Dental Association, Valluvanad.

The session was very informative and gave them awareness on how to handle



teeth problems and about road safety. The session ended at 4:00pm



COLLEGE CLEANING & LIBRARY CLEANING

NSS volunteers conducted college cleaning and library cleaning on Feb 10th from 9.30am to 3.00 pm. The volunteers helped in container gardening around the college premises. The work was successful.

Some volunteers of NSS UNIT 233 SIMAT gathered in the college premises at 1:30pm. The volunteers were divided into groups. Some cleaned the NSS room while the others cleared all the litters all around the college. The cleanup drive was a huge success. Volunteers finished the duty at 3:30 pm.



DAYS OBSERVATIONS



Valentine's day Musical programme held in SREEPATHY CAMPUS

STUDENT ACHIEVEMENTS

- ❖ Mr. Aflah & Mr. Nandakishor from S4 EEE actively participated in the quiz competition conducted in MA college, Kothamangalam organized by KSEBEA on 17th Feb 2024.
- ❖ Ms. Medha Vasudevan of S8 achieved a merit scholarship from NACTET.
- ❖ Students of S8 successfully completed their internship from Inter University center for Geospatial Information Science & Technology
- ❖ All students S6 attended a 5 day (30 hours) Training Program on 'Cyber Security' for students conducted by the placement Department, in association with TECHBY HEART, Kochi from 12th Feb 2024 to 16th Feb 2024.
- ❖ Ms. Soorya O T (S2 AD), Ms. Harsha M (S2 CE) , Ms. Elma Teresa (S2 CSE), Ms. Aryalakshmi (S2 CSE) were participated KTU TECHFEST AND KETCON 2024 at UKF College of Engineering & Technology Parippally ,Kollam.
- ❖ Ms. Shifa Nasrin P.A. of S6 CSE got selected to attend National Integration Camp (NSS).
- ❖ S8 CSE students attended boot camp by QSpider JSpider on 20th Feb 2024.
- ❖ All students of S8 ME participated on APJAKTU Tech Fest & KETCON 2024 hosted by Ahalia School of Engineering & Technology, Palakkad on 16th Feb 2024.
- ❖ Mr. Satheerth Nair of S6 ECE got selected as a student representative in IEEE Kerala chapter.
- ❖ Mr. Jino Babu E & Mr. Suraj K P (S8 ME) won the "Mech Prize" merit scholarship of National Council for Technology & Training.



STAFF ACHIEVEMENTS

- Ms. Chandni P K Divakaran attended a 3 day FDP on "Theoretical Foundations and research applications in Deep learning and Machine learning"
- Ms. Meera K Assistant Professor, CSE attended a three day online FDP titled "Research Foundations and Perspectives of Data Science and Deep Learning" during 12th Feb to 14th Feb 2024.
- Ms. Sreekala R Associate Professor, AI & DS attended a three day online FDP on AI and Machine learning during 26th Feb 2024 to 28th Feb 2024.
- Mr. Krishnan K N participated in two-day sessions of Kerala Start up mission: "Directing the aspiring Entrepreneurs" & "Journey from IEDC to technology Business Incubator"; as a part of National level boot camp "Evolve 360" for Nodal Officers of Higher Education Institutions.

- Ms. Praseena K (Assistant Professor ECE Department) participated in 3 day FDP on “Practical Aspects of Communication Engineering with Hands-on” held from 22nd to 24th Feb 2024 organized by Department of Electronics and Communication Engineering of Vidya Academy of Science And Technology in hybrid mode.
- Mr. Sugesh M.S(Assoc. Prof., ECE Department) attended 5 days online FDP on ‘5G implementation in Matlab’ from 26th February to 1st March 2024 conducted by Dr. Satyam Agarwal, Asst. Prof Dept. of Electrical Engineering, IIT Ropar.

PROGRAMMES CONDUCTED

- ✓ Mr. Sreedath M K (Assoc. Prof., ME) coordinated various literary competitions (off stage items) as a part of “Sargotsavam” Arts fest of SIMAT in the month of February 2024.
- ✓ Mr. Ratheesh KT (Assoc. Prof. Physical Education) coordinated, Chess (8th to 15th Feb 2024) and Table Tennis (21st and 22nd Feb 2024) tournament

