

MONTHLY NEWSLETTER



SINCE 2009

SREEPATHY

INSTITUTE OF MANAGEMENT AND TECHNOLOGY

Sreepathy Campus, Vavanoor P.O., Pattambi, Palakkad - 679533



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AI ESSENTIALS FOR EDUCATORS: INSIGHTS AND RESOURCES

The Govt. Vocational Higher Secondary School (GVHSS) Vattenad, Koottanad, Palakkad, hosted a workshop titled "AI Essentials for Educators: Insights and Resources", organized as part of the Model School Project - Skilled and Supportive Teachers. The event aimed to familiarize educators with the fundamentals of Artificial Intelligence (AI) and its application in education. On 7th December 2024.



The session featured Dr. Vinod C, Professor and Head of the Department of ECE at Sreepathy Institute of Management & Technology, Vavanoor P.O., as the resource person. Teachers from GVHSS Vattenad attended the workshop, which was designed to provide insights into AI tools, techniques, and resources that could enhance teaching and learning. The workshop began with an introduction by the Headmaster, Mr. Sivakumar PPR, who emphasized the importance of incorporating AI into educational practices to meet the demands of modern learning environments. The resource person delivered an engaging session, explaining the fundamentals of AI and showcasing practical tools and examples that educators could use in their classrooms. The interactive nature of the session encouraged participants to ask questions and discuss how AI could improve both teaching effectiveness and administrative efficiency.

To recognize the contribution, Dr. Vinod C was awarded a Certificate of Appreciation by GVHSS Vattenad. The participants expressed their gratitude for the session, noting that it provided valuable insights into how AI can revolutionize educational methodologies.



The event concluded successfully, fulfilling its objective of inspiring educators to adopt AI in their teaching approaches. GVHSS Vattenad remains committed to fostering innovation and skill development among its teaching community, paving the way for a more dynamic and technology-integrated educational framework.

“FLOWING FORWARD THE JOURNEY AND CAREERS IN WATER RESOURCES ENGINEERING”

The Department of Civil Engineering organized a technical talk titled "Flowing Forward: The Journey and Careers in Water Resources Engineering" on December 14, 2024, at 7:00 p.m through Google Meet. The session featured Ms. Saranya Viswanath, a Hydraulic Engineer at Systra, Bangalore, as the esteemed speaker. Mr.Sreekanth E M, Assistant Professor welcomed the speaker and explained the importance of the session.

Ms. Saranya Viswanath commenced the session by providing an overview of Water Resources Engineering. She defined the field and elaborated on its significance in managing and optimizing water resources for sustainable development. She discussed core areas of practice, including flood risk assessment and mitigation, where engineers identify flood-prone areas and develop strategies to minimize the impact of floods. She also spoke about climate change adaptation, which involves implementing solutions to address the effects of climate change on water resources. Another area she highlighted was watershed management and storm water control, which involves managing water catchment areas and designing systems to control urban storm water. Additionally, she explained hydraulic modelling and analysis, which includes conducting simulations and analyses to predict and manage water flow, and ensuring water supply by designing and managing water supply and treatment systems to meet community needs. She explained its role in dam design and dam break analysis, where engineers design dams and analyse the potential consequences of dam failure. She also discussed its application in urban infrastructure projects, which involve managing water resources in urban settings. She highlighted its significance in highway and railway projects, as well as airport projects, emphasizing the importance of water management in large-scale infrastructure developments.

The speaker emphasized the diverse career opportunities available in the field of water resources engineering. The session concluded with an engaging Q&A session, where Ms. Saranya addressed queries from the participants. Her insightful responses further clarified doubts and provided valuable guidance to the students. The technical talk was highly informative and inspiring, offering participants a deeper understanding of water resources engineering and its vital role in addressing global challenges. A total of 28 students participated in the session.



CHRISTMAS CELEBRATION

The Christmas celebration held on December 20, 2024, was a day filled with joy, creativity, and music. The college came alive with festive decorations, cheerful participants, and an exciting line-up of programs.

The day began with the preparation of the Christmas crib. Organized and prepared by second-year students, the crib showcased creativity and teamwork. The students carefully designed the Nativity scene, incorporating hand-crafted figures and decorative elements. Staff and students worked together harmoniously, sharing ideas and ensuring that the crib reflected the essence of Christmas. The display became a centrepiece of the celebration, admired by all for its beauty and symbolic significance.

Food Fest

The food fest was a grand success, featuring nine vibrant stalls set up by students. Each stall offered a variety of dishes prepared at home, adding a personal and heart-warming touch to the event. The students displayed immense culinary talent, presenting a range of cuisines, from traditional delicacies to innovative recipes. The

atmosphere buzzed with excitement as attendees savoured the delicious food and appreciated the effort and creativity of the participants. The food fest not only showcased the students' skills but also fostered a sense of community and collaboration, making the program truly wonderful.



Musical Performance by "Soul Beats"

The college's musical band, "Soul Beats," delivered a stunning performance,

captivating the audience with their harmonious tunes and vibrant energy. Their playlist included Christmas carols, popular songs, and original compositions, leaving everyone mesmerized.



Staff Cake-Cutting Ceremony

The staff came together for a special cake-cutting ceremony, symbolizing unity and celebration. The cake was beautifully decorated, and the moment was cherished with smiles, laughter, and camaraderie.



Special Program: "Shebi Paadunnu"

The day concluded with a soulful ghazal musical evening titled "Shebi Paadunnu," featuring the renowned artist Shebi Samandar. His enchanting voice and heartfelt renditions created a serene and emotional ambiance, leaving the audience spellbound. The performance included a blend of classical and contemporary ghazals, each resonating deeply with the audience. Shebi Samandar engaged with the attendees by sharing the stories behind his compositions, adding a personal and intimate touch to the event. The hall was filled with melodious tunes, and the audience was moved by the depth and emotion in his music. The program truly highlighted the cultural richness of ghazal music, making it a cherished memory for all who attended.



COOKING WITHOUT FIRE AND WIRE

Cooking without Fire and Wire contest was conducted on 10th December, 2024 at Sreepathy Auditorium by Staff Club, SIMAT. This was coordinated by Dr. Hema P Menon



(Prof. & Dean R&D – CSE), Dr. Rahul T S (Assoc. Prof. & Head – CE), Mr. Rejaneesh R (Assoc. Prof. & Head – EEE)

Sreepathy Institute of Management and Technology (SIMAT) successfully conducted the "Cooking Without Fire and Wire Contest" on 10th December 2024, exclusively for the SIMAT family. The event was organized under the Staff Club of SIMAT and provided an exciting platform for participants to showcase their culinary creativity without using fire or electrical appliances. The contest was overseen by Ms. Sreebala P, Assoc. Prof. ECE with assistance from Mr. Jishnu, Mr. Anand, Mr. Sayand, Ms. Vidya, and Ms. Anjana, all from S8 CSE, who ensured the smooth flow of the event. The photo and video coverage of the entire event was handled by Mr. Jithinvas and Mr. Salman Faris, both from S8 CSE.



The event commenced at 9:30 a.m, with 16 teams participating, each comprising four members. The teams were tasked with preparing dishes using raw ingredients, demonstrating their creativity and culinary skills. The atmosphere was filled with enthusiasm as each team worked diligently to prepare their dishes within the stipulated time. The cooking session concluded at 11:15 a.m, followed by 30 minutes for plating and presentation.

The judging process began at 12:00 p.m, led by Dr. Anila MK and Dr. Udayakala P, both Ayurveda doctors from Ashthamgam Ayurveda Chikitsalayam, Naglassery. The evaluation was based on several criteria, including ingredient usage, flavour combinations, presentation, and health bene-



fits. After an in-depth evaluation, the judging process concluded at 1:45 p.m. The judges were then honoured with a token of gratitude by Dr. S. P. Subramanian, Principal of SIMAT.

First Prize: Team Thennilavu 2.0

Second Prize: Team Chalk to Chef

Third Prize: Team Dr. COOKs

All participating teams were recognized for their creativity and culinary excellence in various categories, with each team being awarded a prize.



The prize distribution ceremony commenced at 3:00 p.m, with Ms. Sreebala P welcoming the gathering and expressing her appreciation for the participants' efforts. Dr. S. P. Subramanian, Principal of SIMAT, delivered a felicitation address and presented the prizes to the winning teams. Category prizes were awarded to the deserving teams by the various heads of departments.



The event concluded at 3:50 p.m, with a vote of thanks delivered by Dr. Hema P. Menon, who expressed gratitude to all participants, judges, coordinators, and attendees for making the event a grand success.

This exciting and innovative event not only highlighted the culinary talents within the SIMAT community but also promoted healthy and sustainable cooking practices. It was a fantastic celebration of creativity, teamwork, and culinary skills, showcasing the spirit of the SIMAT family.

UNMANNED AERO SYSTEMS (UAS) OPPORTUNITIES AND FUNDING

The seminar on "Unmanned Aero Systems (UAS) Opportunities" was held at IIT Palakkad on December 2, 2024. The event was jointly organized by UAS Panel, AR&DB and IIT-Palakkad. The main objective of the seminar was to promote awareness on advancements and opportunities in the field of unmanned aerial systems, bringing together leading researchers, industry experts, and academia.

The program commenced at 10:00 a.m with a Welcome and Introduction by Dr. Abhishek, Chairman, AR&DB- UAS Panel. He outlined the seminar's objectives, emphasizing the growing importance of UAV technology in national and global contexts.

The Inauguration and Opening Address was delivered by Dr. Seshadri, Director, IIT Palakkad, who highlighted the institution's commitment in promoting cutting-edge research in aerospace and allied fields.

The technical sessions began with a presentation by DRDO (ADE), which provided insights into the defence applications of UAS technology and ongoing projects. This was followed by a presentation by DYSL-AT (DRDO), showcasing innovations in UAS systems for defence research. The seminar continued with a presentation by Prof. Hemendra Arya, IIT Bombay on UAS flight envelop expansion.

Technical Sessions



The next presentation was by a startup company, demonstrating the role of entrepreneurship and innovation in shaping the future of UAS. There was also presentation by ADE on design and development of UAV-past and future. Next lecture was by Dr. Abhishek, IIT Kanpur. This was a comprehensive presentation on opportunities for technical projects on Unmanned Air Systems. Dr. P.V.S Murthy, Chief Scientist, CSIR-NAL presented the work on loitering munition UAV with stealth features, being developed at NAL. The final presentation was by Gp Capt Khulbe, who highlighted various steps and processes involved in submitting new project proposals to AR&DB, focusing on strategic research and development priorities in unmanned systems.

The seminar successfully facilitated a platform for exchanging ideas and building collaborations among stakeholders in the UAS domain. It concluded with a vote of thanks, leaving participants enriched and motivated to contribute to advancements in this transformative field.



Sreepathy R & D Team

The team from Sreepathy Institute of Management and Technology, consisting of Dr. K.T.

Madhavan, Dr. Hema P Menon, Dr. Ramkumar P N, Dr. Rahul T S and, Dr. Vinod C, actively participated in the seminar, contributing their extensive knowledge and diverse expertise. Their discussions involved technical details and requirements for the projects relevant to Sreepathy through the AR&DB Grant-in-aid scheme. The sessions were immensely beneficial for our Institute, especially from the perspective of our R & D activities.

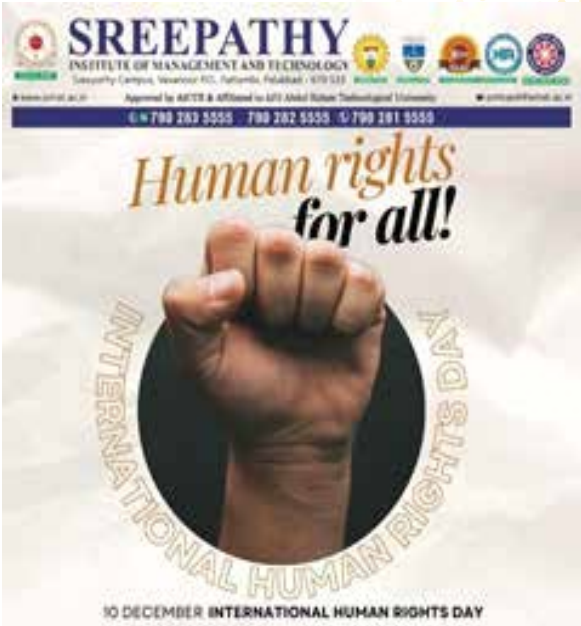
STUDENTS' ACHIEVEMENTS

1. Students of S1 participated in a food fest conducted on 20/12/2024.
2. Sayand K K, S8 CSE, Presented a paper entitled "EMG Signal Analysis and Real-Time Muscle Activation Classification Using Random Forest", in online mode at the Second International Conference on Recent Trends in Communication Engineering and Network Technologies CENT 2024, December 10-11, 2024, in Mumbai, India.
3. Jithin Vas M, S8 CSE, Presented a paper entitled "Exploring Electromyography(EMG) Signals for Prosthetic Control : A Comprehensive Survey", in online mode at the Second International Conference on Recent Trends in Communication Engineering and Network Technologies CENT 2024, December 10-11, 2024, in Mumbai, India.
4. Parth Krishnan B. Menon, a student of S8 CSE, has received an internship offer with a stipend at NULL CLASS Edtech Pvt. Ltd. as a Data Analyst.
5. Anirudh C, Arun Krishnan C. P., Mohammad Nassef, Mohammed Safvan T. P., and Arun M. P., students of S8 CSE, have received internship opportunities at BORCOM DYNAMICS.
6. Jishnu Vijayan and Salman Faris, students of S8 CSE, have been selected for an internship with a stipend at Karippal Innovations.
7. 6 students attended an online workshop on Smart Learn Series Of Blockchain Technology on 21st Dec 2024 organized by ASAP and edunet foundation. <https://drive.google.com/drive/u/1/folders/10MSMZGYdt4LqJ6MBfmVFyyc7SXnB4LX>.
8. NSS volunteers actively participated in a 7-day-residential camp from 21/12/2024 to 27/12/2024 at GHSS Chathanoor.
9. All the final-year students of the CE Department have successfully secured internships at Invent Infrastructures located at Palakkad.
10. Prabath of S6 CE actively participated in the music concert program by soul beats conducted as a part of Christmas celebration on 20/12/2024.
11. NSS Volunteers from S4 and S6 attended seven day residential camp from 21/12/2024 to 27/12/2024.
12. Aswin P.V Of S6 ECE participated in the maintenance activity of the rain gauge system installed by Centre for Development of Open Hardware (CDOH), ICFOSS, Trithalaa on 17/12/2024.
13. Arjun Raj of S6 ranked 3rd in Kerala state in the Essay writing competition on the topic 'Steering India towards fully sustainable future' in Vikasith Bharath Young Leaders Dialogue competition conducted by Central Ministry Of Youth Affairs And Sports on 20/12/2024.
14. Gouri M.N of S8 ECE got internship opportunity at Ozone Cool on 30/12/2024.
15. NSS Volunteers from S4 and S6 attended a 7-day-residential camp from 21/12/2024 to 27/12/2024.

STAFFS' ACHIEVEMENTS

1. Ms. Sreeja P, HoD i/c AI&DS, is nominated as NIRF coordinator with effect from 01-01-2025.
2. Mr. Jayan T V (Asst..Prof.Chemistry) was a delegate for the two day state science conference at regional science center & planetarium, Kozhikkode, organised by BSS Kerala Chapter. from 07.12.2024 to 08.12.2024.
3. Mr. Jayan T V (Asst.Prof.Chemistry) organised the a 7-day-NSS camp of NSS Unit : 233 at Govt.Higher Secondary School, Chathanoor from 21.12.2024 to 27.12.2024.
4. Ms. Uma Maheswari P B , Jishnu B H , Nimina K Unnikrishnan , Ms . Shamseena P T also took part in the NSS Camp conducted from 21.12.2024 to 27.12.2024.
5. Dr. Hema P Menon, Presented a paper entitled "The Role of Ethical Guidelines in Preventing Research Misconduct in Academia" at the 5th International Ethics Congress held online and also in-person on December 16-18, 2024/ Adana, Turkiye.
6. The team from Sreepathy Institute of Management and Technology, consisting of Dr. K.T. Madhavan, Dr. Hema P Menon, Dr. Ramkumar P N (HOD, ME), Dr. Rahul T S, and Dr. Vinod C, attended the seminar on "Unmanned Aero Systems (UAS) Opportunities" jointly organized by UAS Panel, AR&DB and IIT- Palakkad, which was held at IIT Palakkad on December 2, 2024.
7. Ms. Sreeshma K, Presented a paper entitled "A Review on Advancements in Contrast "Enhancement of Dental X-ray Images" at the Fifteenth International Joint Conference on Advances in Engineering and Technology, AET 2024, held on 30th December 2024".
8. Ms. Sreeja P. Assoc. Professor got selection for the part time PhD in KTU during 2024-25.
9. Ms. Sreeja P and Ms. Sribi M P attended a 5 day online FDP from 09/12/24 to 13/12 24 on Recent Trends in Robotics, Automation and Control organized by the Department of Electrical & Electronics Engineering of Vidya Academy of Science & Technology, Thrissur.
10. Mr. Rejaneesh R., Associate Professor, Ms. Archana P - AP/EEE, Ms. Saranya KP - AP/EEE., Ms. Anjali Sasikumar - AP/EEE., Ms. Niya Kochumon - AP/EEE and Ms.Praseena K - AP/ECE attended five days' online FDP on "Challenges and future directions of AI in energy systems" from 09/12/2024 to 13/12/2024 organized by Dept of EEE, NCERC Pampady.
11. Dr Ramkumar P. N (Professor ME) completed a certificate program on "Integrated Operations and Supply Chain Management in the Digital Era" by IIM Visakhapatnam and TCS ion.
12. Dr. Ramkumar P N (Prof. ME) and Dr. Hema P Menon (Prof. CSE), attended the 5th International Ethics Congress, Adana, Turkey, on December 16-18, 2024 with an oral presentation entitled "The Role of Ethical Guidelines in Preventing Research Misconduct in Academia".
13. Mr. Sreekanth E M AP, CE has joined for PhD in Department of Civil Engineering at NIT, Calicut during the academic year 2024-25.
14. Ms. Anumol Sukumaran published an abstract in the 16th annual research congress in Karpagam academy of higher education, Tamil Nadu on 14th December 2024. (ISBN:978-93-95898-56-0) <https://drive.google.com/drive/folders/1VcKLcQ7hJW-DoL9CCKSm9AZ1i5dGnEu5ZU?usp=sharing>.
15. Ms.Anjali Ananthan (Assistant Professor ECE Department) completed her 2nd DC meeting (Pre Comprehensive DC meeting) as part of PhD programme under KTU on 13/12/2024.
16. Ms. Athira Menon G (Assistant Professor ECE Department) successfully completed a 6-day online FDP on "Control system application perspective and aerospace vehicles" organised by the Department of EEE, MBCCET Peermade from 16/12/2024 to 21/12/2024.

DAYS OBSERVED



Karippal Innovations
selected students from 21-25 batch for
INTERNSHIP with STIPEND



Jishnu Vijayan
S8-CSE



Salman Faris
S8-CSE

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DEPARTMENT OF CIVIL ENGINEERING

INVENT INFRASTRUCTURES
SELECTED 2021-25 STUDENTS FOR INTERNSHIP
CONGRATULATIONS!



SANJAY T R



NAYANA K J



NASREENA THASNI K P

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Congratulations
for getting Internship opportunity at
BORCOM DYNAMICS



Anirudh C
S8 CSE



Arun Krishnan C P
S8 CSE



Mohammed Nasseef
S8 CSE



Mohammed Saifan T P
S8 CSE



Arun M P
S8 CSE

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Congratulations!

INTERNSHIP OFFER WITH STIPEND



PARTH KRISHNAN B MENON
(S8 CSE)
at
NULL CLASS Edtech Pvt. Ltd.
as Data Analyst

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- ♦ Advanced Communication Technology (ACT)
- ♦ VLSI Design & Technology (VLSI)
- ♦ Civil Engineering (CE)
- ♦ Mechanical Engineering (ME)
- ♦ Electrical and Electronics Engineering (EEE)
- ♦ Electronics and Communication Engineering (ECE)

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