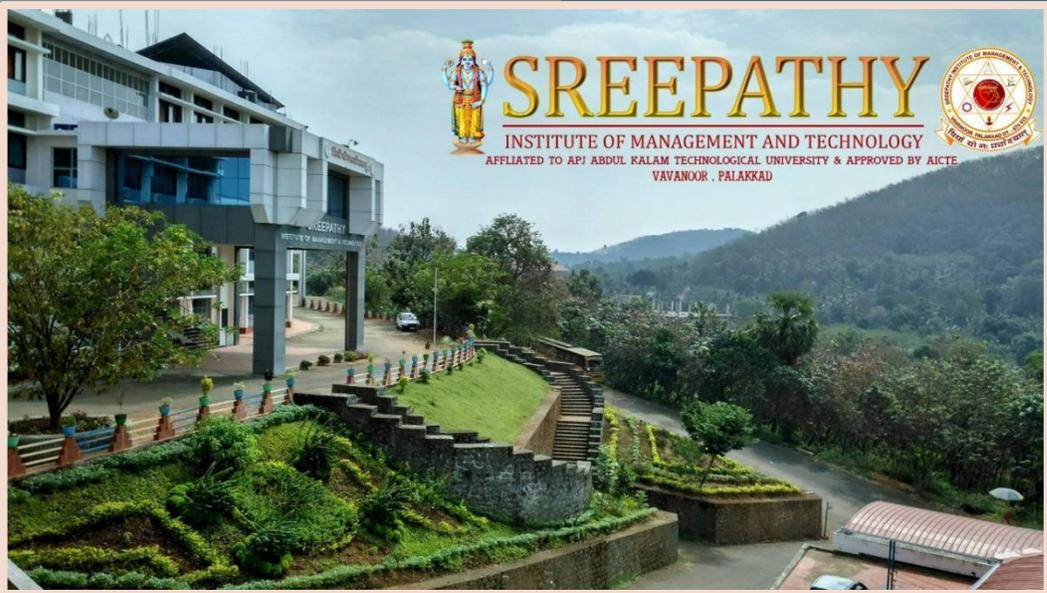


SREEPATHY

MONTHLY NEWS LETTER



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KTU SPONSORED FACULTY DEVELOPMENT PROGRAMME ON RESEARCH METHODOLOGY

Three days' faculty development programme on Research Methodology was conducted at Sreepathy Institute of Management and Technology, Vavanoor from 24/08/2022 to 26/08/2022. This programme was jointly organised by the Department of Computer Science and Engineering and Department of Mechanical Engineering sponsored by KTU. The resource persons of the programme are Dr Gopakumar (Professor and Head, of MES College of Engineering, Kuttipuram), Prof. (Dr) Devi V, (Principal, Royal College of Engineering and Technology, Thrissur), Dr K. T. Madhavan, Retired Scientist, National Aerospace Laboratories Bangalore, Dr Mubarak M Associate Professor of MEA Engineering College, Perinthalmanna, Dr V Rajasekhar Associate Professor, Dept. of CSE, SRMIST, Vadapalani, Dr Ramkumar P. N., Head of the Department ME, and Dr Hema P Menon., Head of the Department, CSE.



DAY-1 (24/08/22)

The event was started with a prayer song by Mr. Sreedath M. K, AP-ME. Dr Ramkumar P. N., HoD, ME delivered the welcome speech followed by a presidential address by Dr K.T. Madhavan (Head, R&D, SIMAT). The event was inaugurated by Prof. Sushma M HoD ECE. Mr. Janardanan M.K. (Administrative & Placement Officer, SIMAT) felicitated the program. Mr.



Syam Prasad G, AP/ME gave vote of thanks to the participants. The event was conducted in offline mode with 30 participants.

First session was on “Introduction to Research”. This session was handled by Dr Gopakumar Professor and Head, of MES College of Engineering, Kuttipuram. He discussed about research and the need for research. The research process improves the quality of life and also leads to the development of new gadgets. In the second half he discussed on types of research and about selection of area of research. There are two types of research, academic and industrial. Research works carried out in academic institutions are called academic research and research based on innovation of products and processes known as industrial research. He also discussed about research publications.

The second session was on the topic “Formulation of Research Problem” by Prof. (Dr) Devi V Principal, Royal College of Engineering and Technology, Thrissur. She talked about ‘research perspectives: real life thoughts’. A research is a highly intellectual human activity used in the investigation of nature and matter. It deals specifically



with the manner in which Information/Data are collected, analysed and interpreted and in the second half she discussed on the importance of research methodology.



Afternoon session was on “Formulation of Research Problem and Analysis”. The session was handled by Dr Ramkumar P. N., HOD-ME of Sreepathy Institute of Management and Technology, Vavanoor. In this session, he discussed on ‘Formulation of

Research Problem and Analysis’. A problem is the gap between the present situation and a more desirable one. Formulation of Research Problem is like identification of a destination before undertaking a journey. In the second half he discussed on formulation of hypothesis.

DAY-2 (25/8/22)

Forenoon session of the day was on “Acquisition and Preparation of Research Data” by Dr Mubarak M Associate Professor of MEA Engineering College, Perinthalmanna. He talked about various research approaches. The research approaches are mainly classified into two, quantitative and qualitative. Quantitative research is based on the measurement of quantity or amount and qualitative research is



concerned with qualitative phenomenon. And in the second half, he discussed about some methods for data collection and also about selection of appropriate method for data collection.

The afternoon session was on “Thesis and Paper Writing” by Dr Mubarak M. Associate Professor of MEA Engineering College, Perinthalmanna. In his talk, he started with some tips for doing literature survey. He also mentioned importance of research paper publication and Techniques in paraphrasing.

Usage of different vocabulary with the same meaning and changes in the Order of Words are some paraphrasing techniques helpful for paper writing.

DAY-3 (26/8/22)

First session of the third day was on “Research in Science and Technology: Methods and Approaches” by Dr K. T.



Madhavan, Retired Scientist, National Aerospace Laboratories Bangalore. He mainly discussed

about the importance of research and development. Scientific Research and innovation are quintessential for the progress of a nation and it is a very important facet of quality of education. Further he discussed the approaches and methods of research in science and technology.

The second session was on the topic “Mathematics in Research” by Dr V Rajasekhar Associate Professor, Department of Computer Science and Engineering, SRMIST, Vadapalani. He well explained about the importance of mathematics in research. He also discussed about the interpretation of mathematical equations in research papers.



Afternoon session was on “Challenges in Research” by Dr Hema P Menon Professor & Head,



Department of Computer Science Engineering, SIMAT. In this session, she started with the Journey of Transitions, Relationships, Challenges and Growth in research. Further she discussed various challenges faced in doing research.

After this session valedictory function was conducted. The

session started with valedictory speech by Dr Hema P Menon., HOD-CSE after that certificates were distributed and feedback was collected. The program ended with vote of thanks by Ms. Sreeshma K, AP-CSE.



PAPER PRESENTATION - SCIENCE CLUB

Paper presentation activity of science club was held in college seminar hall on 2nd August 2022. Any topic related to science was given for the contest. Students from various departments participated in the contest. Ms. Saranya K P (AP/EEE), Ms. Aswathi T K (AP/EEE), Ms. Jyothi. K K (AP/AS&H), Ms. Soumya P (AP/AS&H) were the judges of the events.



The participants in the events spoke on various topics. Mr. Abeedar spoke about the various mysteries involved about the Bermuda Triangle and its recent development. Mr. Muneer spoke about the metaverses. Mr. Sajas spoke about MOBOX, an NFT based gaming ecosystem. Mr. Ashfaq gave a talk on various methods of generation of power. Ms. Megha's talk stressed on the conveyance facility of the future. It was about electrical vehicles.

The competition was so tough that judges found the judging bit difficult. The result of the competition is as follows:

1. First prize shared by Mr. Abeedar and Ms. Megha of S6 EEE
2. Second prize won by Mr. Ashfaq of S6 EEE
3. Third prize shared by Mr. Muneer and Mr.S ajas of S6 EEE

All the Judges, Mr. Rejaneesh R (HOD EEE), Dr Sagar. M. Narayanan (HOD AS&H) and Mr. Hithes P, (AP/AS&H), Science club convener congratulated the winners.

NSS VOLUNTEERS TO HELP PEOPLE WITH DISABILITIES

NSS unit 233, SIMAT repair wheelchairs for Pratheeksha Palliative Care. As part of this, we collected damaged wheelchairs from palliative care. The volunteers, including senior volunteers, participated in the clean-up and repair of wheelchairs. On August 11, Sri. Jishnu B H (NSS Program Officer, SIMAT) handed over the wheelchairs



to Sri. Vijay Raghavan (Founder of Pratheeksha palliative center) in the presence of Sri.Hari (Assistant professor, SIMAT) and volunteers of NSS.

INDEPENDENCE DAY

Independence Day marks the end of British rule in 1947 and the establishment of a free and independent Indian nation. It also marks the anniversary of the partition of the subcontinent into two countries, India and Pakistan, which occurred at midnight on August 14–15, 1947.

NSS Unit 233, SIMAT celebrated Independence Day at the college. The programme started with manava geetham. Mr. Jishnu B H (PO, NSS)



delivered the welcome speech and Ms. Jayasree N Vettath (APO NSS) addressed the volunteers. Smt. Sushma (Vice principal of SIMAT) hoisted the flag. The main speaker and chief guest was Mr. Hithes. P (AP/AS&H). He gave greeting to volunteers. As part of the celebration, our



security staffs who were retired from the Indian Army were honoured and they also shared experiences with volunteers. After this function, volunteers planted saplings around the college campus and at Vavanoor School campus. There were also some groups of students who were engaged in cleaning the campus. The program ended up with a vote of thanks by Ms.

Medha V (Volunteer secretary, Unit 233 SIMAT) and the volunteers of unit 233 distributed sweets in the nearby locality of the SIMAT campus.

AZAADI-PATRIOTIC SONG COMPETITION

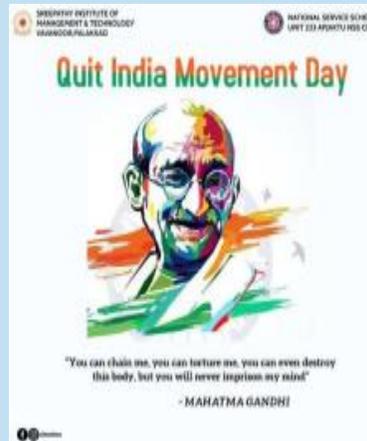
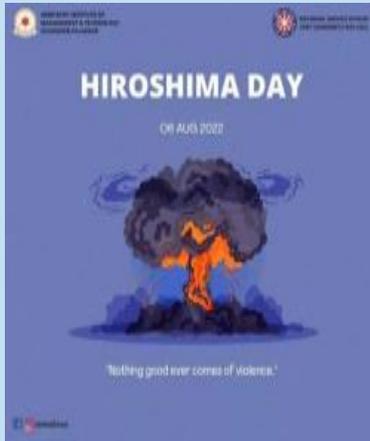
As a part of the Independence Day celebration, the NSS unit 233, SIMAT conducted a Malayalam patriotic Song competition "Azaadi". All students were invited to participate. The entries were taken through WhatsApp. Many students participated in the competition and prizes were also distributed.

INDEPENDENCE DAY QUIZ COMPETITION

As a part of the Independence Day celebrations, the NSS unit 233, SIMAT, conducted an online quiz competition based on "Indian independence". All students were invited to participate. The competition was conducted through Google form and winners were selected based on individual scores. Many students participated in the competition and prizes were also distributed.



DAY OBSERVATIONS



FACULTY ACHIEVEMENTS

- Ms. Sreeshma K. attended a 5-day Faculty Development Programme organized by SCMS School of Engineering on Advancements in Image Processing from 29/08/22 to 02/09/22
- Ms. Divya Visakh attended a 5 Day FDP on Natural Language Processing & Information Retrieval - Research Trends & Applications jointly organized by Rajagiri School of Engineering & Technology and ICFOSS from 29/08/22 to 02/09/22.
- Ms. Jayasree N. Vettath attended AICTE Sponsored 6 Day STTP on Artificial Intelligence & Applications from 29/08/22 to 03/09/22.
- Norion Solutions, EEE start up incubated at TBI SIMAT participated in the final pitch of idea grant by KSUM. The team is led by Mr. Rejaneesh R.
- Agricure, EEE student start up incubated at TBI SIMAT participated in the final pitch of idea grant by KSUM. The team is mentored by Mr. Sebin Sunny P.
- Norion solutions, EEE student start up incubated at TBI SIMAT was selected for Microsoft for start-ups programme. A grant of USD 10K was awarded by Microsoft for idea prototyping.
- Mr. Syam Prasad G contributed as resource person in KTU Sponsored 3 Day FDP on “Orientation Programme for NSS Programme Officers organized in three regions:
 - Mar Baselios College of Engineering & Technology, Thiruvananthapuram on 12/08/2022
 - Saintgits College of Engineering, Kottayam on 18/08/2022
 - ICCS College of Engineering & Management, Thrissur on 25/08/2022
