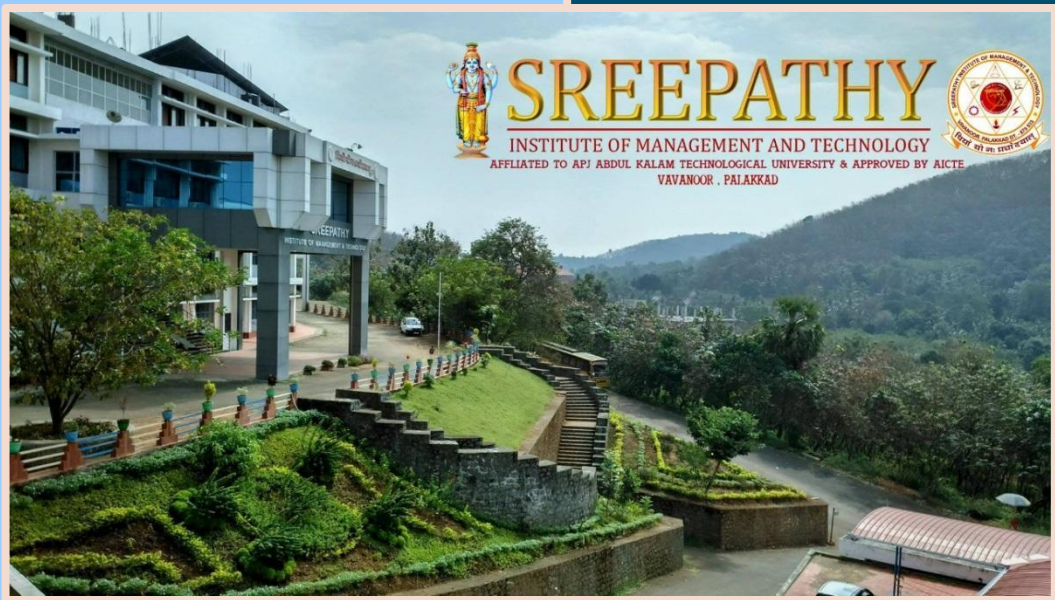


SREEPATHY

MONTHLY NEWS LETTER



ISSUE NO: 10

OCT 2023

SIX-DAY ATAL FDP - LEAN SIX SIGMA FOR BUSINESS PROCESS IMPROVEMENT

A six-day faculty development programme on Lean Six Sigma for Business Process Improvement was conducted at Sreepathy Institute of Management and Technology, Vavanoor from 09th Oct 2023 to 14th Oct 2023. This program was organised by the department of



Mechanical Engineering and sponsored by AICTE Training and Learning Academy. Overall 55 participants participated in the event.

The event started with a silent prayer. Dr. S. P. Subramanian, Principal, delivered the welcome speech. The inauguration was conducted online by AICTE national advisor Dr. Ramesh Unnikrishnan. Dr. K.T. Madhavan (Head R&D) and Dr. Ramkumar P. N., HoD ME, Coordinator-FDP, felicitated the program. Mr. Anoop K. C., AP/ME, gave a vote of thanks to the participants.

The first session was on “Overview of Lean Six Sigma with Industry 4.0”. This session was handled by Dr. Ramadas T., Assoc. Prof. Albertian Institute of Science and Technology, Kochi. He started the session by giving a brief introduction to the evolution of manufacturing,



from craft manufacturing to lean and agile manufacturing. He discussed the difference between these manufacturing paradigms and went in depth with the lean philosophy.

The second session held in the afternoon was on the topic “Process improvement in organizational development” by Dr. Sajjan M. P., Professor, Government Engineering College Thrissur. He started his talk with the need for and importance of process improvements in business organizations. The session became



more interesting when Dr. Sajjan elucidated the five steps to implement process improvements in an industry with applications and examples.



The forenoon session of the second day of FDP was on “Lean Six Sigma Primary Tools” by Dr. S. R. Devadasan, Professor, PSG College, Coimbatore. He said that the primary objective of implementing Lean Six Sigma is to decrease production costs and increase business profits. He explained the history of lean manufacturing and the various wastes associated with the lean paradigm.

Dr. S. R. Devadasan continued the second session in the afternoon with “Lean Six Sigma Secondary Tools”. He started with the discussion regarding the morning session and went on with the growth and characteristics of the six-sigma program.

The first session of the third day was on “Lean Six Sigma and its Frameworks by Mr. Vinod Sankaran, Strategic Quality



Consultant, Chennai. He started with an overview of Lean Six Sigma and Design for Six Sigma (DFSS). He concentrated on the define step of the DMAIC methodology of Six Sigma in the morning session. In the second session, Mr. Vinod Sankaran concentrated on the Measure and Analysis phases of the DMAIC methodology.

The first session of the fourth day was on “Measurement Systems Analysis for Lean Six Sigma” by Dr. Dhanish from NIT Calicut. He



Nagalassery, Kerala, India

Longitude	Latitude	35° C
76.144378°	10.762056°	

Thursday, 12, Oct, 2023 09:54 AM

discussed determining measurement system variation, which has mainly two key methods: the control chart method and analysis of variance (ANOVA).



Nagalassery, Kerala, India

Longitude	Latitude	35° C
76.144378°	10.762056°	

Friday, 13, Oct, 2023 02:08 PM

The afternoon session was on “Lean Six Sigma Implementation” by Dr. Gopal Sivakumar, Vision Excellence Consultancy. He continued with the Improve phase of the DMAIC methodology. This session was highly informative, as Dr. Gopal started with an overview of the

DMAIC methodology of six sigma.

The forenoon session of the fifth day was a field visit to ASAP CSP, Chathannur. The resource person for the field visit was Mr. Anas Anwar Babu, Master Trainer, ASAP, Kerala. He introduced how a business venture can be started, which the participants were able to correlate to Lean and Six Sigma approaches. The participants took a walk around the field, where we learned how lean principles are used for setting up the infrastructure. The



Thirumittacode -II, Kerala, India

Longitude	Latitude	35° C
76.15556°	10.742082°	

Friday, 13, Oct, 2023 12:52 PM

field visit was very exciting and added value to the understanding of the various concepts learned during the FDP programme.



The afternoon session was on “Lean Six Sigma Implementation” by Dr. Gopal Sivakumar, Vision Excellence Consultancy. He continued his session from yesterday’s improvement phase. He mainly pinpointed the control phase of the DMAIC methodology during this session.

First session on sixth day was on “Research Methodology” by Dr. Hema P Menon Professor & Head,

Department of Computer Science Engineering, SIMAT. Dr. Hema commenced the session with an insightful reflection on the transformative journey in research, encompassing transitions, relationships, challenges, and personal growth.



In the afternoon session, there was an MCQ test followed by a feedback session. Participants are asked to express their experience attending the FDP. After that, a formal valedictory function was organized.

Prof. Sushma M., IQAC Coordinator & HOD-ECE, delivered the valedictory speech. The programme ended with a vote of thanks by Mr. Sarath S., Assoc. Prof. ME, and Co-Coordinator.



The article discussion part was conducted by the coordinator, in which participants were divided into groups and discussed the given journals. Each participant actively engaged in the group activity and prepared the article summary. On the final day, each participant handed over the article summary of each

journal to the coordinator. A reflective journal is prepared by each participant, which includes three key learning outcomes, three key lessons (concepts and ideas), and an implementation plan obtained from the FDP.

The "hands-on session" gives an interactive learning experience where participants actively engage with materials, equipment, or software related to the subject being taught. It involves direct, physical involvement rather than just passive observation or theoretical instruction. The hands-on sessions of the FDP were handled by the coordinator, Dr. Ramkumar P. N., as per the schedule.

AWARENESS PROGRAM ON 'PROTECTION OF THE EYE AT WORK PLACE

With regard to the World Sight Day on October 12th at 3:00 pm in MS23, Department of Computer Science and Engineering in association with Department of Shalakyta Tantra (Dept. of ENT & Ophthalmology) of Ashtamgam Ayurveda Chikitsalayam; Vidyapeetham organized an awareness class focusing on 'Protection of the eyes at workplace'. The details covered during the session were beneficial for students who are bound to use computers for longer durations. The session was attended by 4th year CSE students and department faculty.

In conclusion, the awareness session on eye health at the workplace served as a beacon, illuminating the path to sustainable eye wellness. By empowering students with knowledge and practical strategies, the workplace transforms into a haven where eyes not only meet the demands of the digital age but thrive with vitality and resilience.



WOMEN AND SOCIETY

A session on women and society was held on 26th October by Dr. Smitha Das T V to bring attention to issues such as gender equality, reproductive rights, and violence and abuse against women.

The women cell of SIMAT aims to create social awareness about the problems of women and in particular regarding gender discrimination and develop the self-confidence of Women. To guide Women Welfare Laws, assert the importance of spiritual, economic, social, racial and gender equality, highlight the importance of health and hygiene, develop a multidisciplinary approach for the



overall personality development. The session dealt with the importance of women in society and the importance of knowing your worth. The speaker pointed out the need of women being independent and the need of self-confidence they should acquire to achieve success.

AWARENESS ABOUT OBE CONCEPTS

IQAC SIMAT conducted a session on “Awareness about OBE Concepts” for the teaching faculty on 07th Oct 2023, from 9.30 am to 11.00 am. The resource person was Dr. Sheela S, Prof. & Head, Dept. of EEE.



Dr Sheela S, set the tone of the session by specifying the learning outcomes of the session. She explained in detail the need for accreditation, vision and mission statements and the proper method of writing the course outcomes using the Blooms taxonomy action words. She also

specified the basis for mapping the Course outcomes to the Program outcomes using the key words specified in both the CO's and PO's.

The session was very informative and all staff members gained an accurate insight into the CO-PO-PSO mapping and justification. The learning outcomes specified at the beginning of the session were achieved. With a feedback from staff members.

NCC AWARENESS PROGRAM

An awareness session on NCC was held on 19th Oct 2023 from 11.30 am to 1.30 pm. The



program was handled by Colnl. Premjith and JCO Sri. Gopakumar from the 28 NCC Battalion, Ottapalm on request by the college.

The recipients of the program were the first year students of SIMAT. The welcome address was carried out by Sri. Janardanan. M.K. A&PO. He narrated the significance of starting NCC in Sreepathy for which application has already been submitted. The need for developing patriotism, unity and discipline among the students was highlighted to transform them to be citizens useful to the nation. Principal Dr. S.P. Subramanian impressed upon the students to groom quality in life for which the NCC is the best suited platform.

Colnl. Premjith addressed the students detailing the need for starting NCC in the country and the history of setting it up soon after independence. The moto of the NCC, benefits derived to the students, the hierarchy of NCC by way of Directorate, Groups, battalions, units. Etc was discussed. The structure of the defense services, induction to the NDA explaining the selection processes involved .etc. were interesting eye openers to the students. The question and answer time was also made available to the students. On request, the Coln. had interaction with the opted students who were eager to know more about Agniveer, NDA, Technical entry to Defense services. Etc. Under the guidance of the A&PO and Ms. Chandni, AP/CE; the team visited the entire campus and assessed the infrastructure like building space, toilets, library, canteen,

auditorium, playground.etc. which are prerequisites to sanction an NCC unit, however, subject to the Ministry's clearance. The NCC officials expressed gratitude and left at around 2.30 pm.

INTRODUCTION TO ARTIFICIAL INTELLIGENCE

On October 25th, 2023, the SIMAT Coding Club successfully conducted a session on "Introduction to Artificial Intelligence" for first-year students of the Computer Science and Artificial Intelligence and Data Science departments. The session was held in the Seminar Hall from 1:30 pm to 2:30 pm.

Dr. S P Subramanian, Principal, inaugurated the session, providing a formal beginning to the event. The coordinators of the Coding Club, Ms. Sreeshma K and Mr. Yadu P Dev, gave a brief introduction and overview of the Coding Club's activities and initiatives. The session was



presented by a team of five members from the Coding Club, who are currently pursuing their 3rd year of Computer Science Engineering. The presenters and their respective topics were as follows: Mr. Anand Venugopal introduced the audience to AI, covered the history of AI, and

discussed various types and applications of AI. Mr. Sanjay S Menon presented information on programming languages commonly used in AI, delved into Machine Learning, and provided an engaging session on Deepfake technology. During the Deepfake segment, students from the first year volunteered to participate in a Deep Fake experiment using their photos. Mr. Sidharth discussed the career prospects and job opportunities in the field of AI. The technical aspects of the seminar, including the creation of a dynamic and engaging PowerPoint presentation, as well as the handling of the Deepfake process, were skillfully managed by the Coding Club's technical team, consisting of Mr. Salman Faris and Mr. Jishnu Vijayan.

The session was graced by the presence of esteemed guests and faculty members. Dr. Sagar M Narayanan, Head of the Department of Applied Science and Humanities (AS&H) expressed his gratitude at the end of the session. The session received highly positive reviews from the attending first-year students. The message the presenters intended to convey was successfully understood, and students expressed their keen interest in joining the Coding Club, indicating a positive impact, and growing enthusiasm for AI and related technologies.

NEXUS BETWEEN INNOVATION, ENTREPRENEURSHIP AND INDUSTRY

In view of the 3rd semester NPTEL course, understanding Incubation and Entrepreneurship, IEDC-SIMAT organized a session on "**Nexus between Innovation, Entrepreneurship and Industry**" on 05th October 2023 from 2.30 pm to 4.00 pm. The resource person for the programme was Mr. Pratheesh M, Assistant District Industries Officer (ADIO), Taluk industries



office, Mananthavady. 134 students and one staff member from each of the departments attended the session. Mr. Krishnan K N, Nodal Officer, IEDC-SIMAT, greeted the gathering and

introduced Mr. Pratheesh M, former Industries Extension Officer, Thrithala, currently working as ADIO, Taluk industries office, Mananthavady. Mr. Pratheesh's talk was an enlightening experience, offering valuable insights into the world of Innovation and entrepreneurship and the value of these in the current industrial scenario of Kerala.

Mr. Pratheesh M emphasized the importance of having an innovative mindset to set-up a successful Entrepreneurship. He pointed out that being an entrepreneur is not just about starting a business but also about thinking differently, taking calculated risks, and being resilient in the face of challenges. He discussed the significance of identifying market gaps and unmet needs as the foundation for a successful startup. He also pointed out the role of incubators in nurturing a start-up at early stages and the advantages that a start-up would enjoy once entered into the ecosystem of Incubators.

The session was very much engaging and informative. Before concluding the session, he asked the students about their interest in getting into an entrepreneurial ecosystem.

INSIGHT TO IEEE XTREME 17.0

On September 20th, 2023, from 2:30 pm to 3:50 pm, IEEE SB SIMAT held a session titled "Insight to IEEE XTREME 17.0" in the seminar hall. There were 55 IEEE Members in total, and they had all registered through the link circulated. Mr. Sidharth, S5 CSE, carried out the anchoring. Mr. Satheerth, S5 ECE, gave the introductory remarks during which he extended a warm welcome to everyone present.

Mr. Parth B. Menon, the ambassador for IEEE XTREME SB SIMAT, led the session. The IEEE XTREME is scheduled to be conducted on 28th of October 2023 and he provided information on how to join this programme and earn prizes. He answered queries participants had concerning IEEE XTREME.



INDUCTION - RED HAT ACADEMY

Induction of Red Hat Academy program on “Modern Skills for a Modern World”, for S5 and S7



was conducted on 6th October, 2023, at the Seminar Hall of Sreepathy Institute of Management and Technology.

CLEMENTIA - INDUCTION PROGRAM

CLEMENTIA, the students' association of the Department of Computer Science and Engineering, SIMAT conducted an induction program. The session was held on Monday, the 16th October 2023 at the college seminar hall from 1:30 pm to 4:00 pm.

As with all other events under Clementia, this event was also fully organized and conducted by



the students of the association under the guidance of Dr. Hema P Menon (HOD, CSE), and Mr. Jyothis K.P, (Assoc. Prof., CSE & Faculty Coordinator, Clementia). This event was enthusiastically hosted by Mr. Sreeram V K and Ms. Najma Yoosaf (student coordinators, S7

CSE) and many more students from the CSE department. The meeting started with the college prayer sung by Ms. Devika (S5 CSE) followed by a welcome speech by Ms. Akhila (S5 CSE).

The program started with Mr. Jyothis. K.P gave a brief overview of how Clementia was formed and its progress. Dr. S. P Subramanian (Principal) spoke a few words about Clementia, its growth, and how the association expanded throughout the years. Certificates of recognition were distributed to Mr. Abhinav Satheesh (S7 CSE) and Ms. Aysha Pareekutty (S7, CSE) by respected principal.

During the session, Mr. Sidharth (S5 CSE) also provided a class on how to build a career in Cybersecurity. He walked the participants through the step-by-step process of setting up a career in the field of cybersecurity. After the tech talk, we moved to the interesting and exciting part of the program which is games and cultural programs. The event came to an end at 4:00 p.m. with the vote of thanks being delivered by Ms. Akhila (S5 CSE).

CAMPUS CLEANING

As part of Gandhi Jayanthi, the volunteers of NSS UNIT 233 conducted a cleaning Drive on October 2nd. The aim of the drive was to pay tribute to Mahatma Gandhi's vision of a clean and hygienic environment. The NSS volunteers gathered early in the morning at the college and volunteers were divided into groups. Each group was assigned a specific area of the campus, and



volunteers were started program at 10:00 am. Volunteers were provided with gloves, dust bins then we started cleaning the campus The volunteers worked tirelessly and collected a significant amount of waste. The campus cleaning drive was a huge success as it not only helped in maintaining the cleanliness of the campus but also created awareness among the students about the importance of keeping the environment clean and green. Volunteers finished duty at 4:00pm In conclusion, the NSS unit of our college successfully organized a campus drive on Gandhi Jayanthi, which was a tribute to Mahatma Gandhi's vision of Swachh Bharat.

AIR FORCE DAY

NSS unit 233 SIMAT celebrated Air force day by pasting posters related to Air force on each department to give awareness about this day. The volunteers draw pictures of helicopters, Planes,



etc., and write quotes related to it and paste it on each department. This day marks a time to celebrate the courage, professionalism, and indomitable spirit of the brave men and women who protect our skies. The theme for Indian Air Force Day 2023 is “IAF – Airpower Beyond Boundaries.”

BETTER CLASS MANAGEMENT

A session on the topic “Better Class Management” was organised by IQAC for all the teaching staff members on 27/10/2023 from 1.00 PM to 1.45 PM in the seminar hall. The session was engaged by the Principal of SIMAT Dr. S P Subramanian and Dr. Sheela S (HOD EEE). The session started with a keynote address by the Principal Dr. S P Subramanian. He emphasized the significance of individual subject teachers maintaining strict classroom discipline in the class and



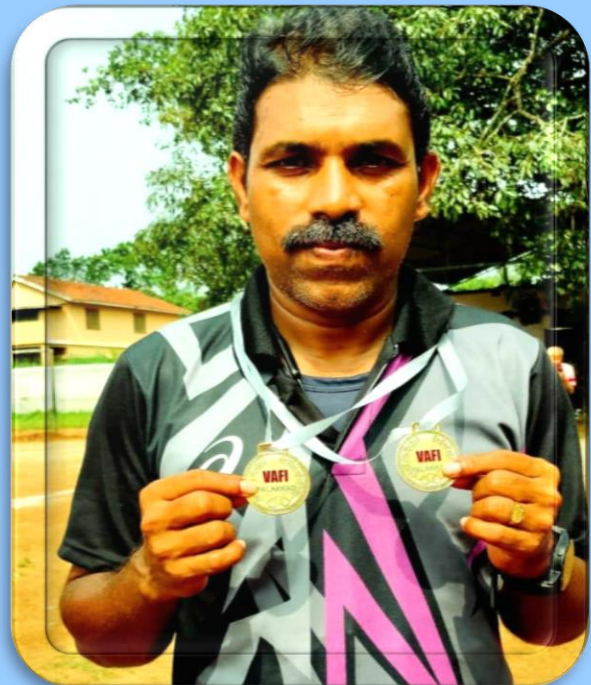
preparing well before taking the class. He stressed that both student outcomes and discipline within each subject area are the sole responsibilities of the teachers handling those specific subjects. The session was then handled by Dr. Sheela S (HOD EEE). She discussed about a few

points that were derived from journal papers published by various international authors on the topic of class management.

CONGRATULATIONS



- Mr. Vishnu Narayanan of S5 CSE got selection for KTU E-ZONAL Table Tennis.



- Mr. Ratheesh T (Assoc. Prof. - AS&H) participated as an athlete in the International Athletic Meet held in Al – Wasi Club, Dubai representing India and won Gold Medal in High Jump, Silver Medal in Long Jump, Triple Jump and 4 x 100 m relay, Bronze medal in 100 m race.

STUDENT ACHIEVEMENTS

- All S7 students actively participated in the one-day orientation and curation training by Kerala Knowledge Economy Mission (KKEM) on 12th Oct 2023.
- Registered students attended NPTEL exams for the course “Understanding Incubation and Entrepreneurship” on 28th Oct 2023 at the allotted centres.
- Mr. Syamkumar Baburajan of S3 has successfully attended a two-day workshop in Phase 1 of the “Creators of the Metaverse” Program in partnership with AICTE, supported by Meta Platforms Inc., conducted from September to Oct 2023.
- Mr. Nandakishor K V and Mr. Aflah N of S3 EEE participated Dr. A.P.J. Abdul Kalam Energy Quiz Competition 2023 conducted by online mode on 31st Oct 2023

- Mr. Akshay Venu S3 EEE participated table tennis tournament (zonal) at Cosmopolitan Club, Palakkad on 30th Oct 2023.
- Ms. Sree Durga C.K (S3 ECE), Mr. Satheerth M Nair, Mr. Gokul C H (S5 ECE), Mr. Pranav E M, Mr. Viswadev P.S and Mr. Muhammed Hunais (S7 ECE) participated in IEDC Summit 2023 at College of Engineering Trivandrum on 12th Oct 2023.

DAY OBSERVATIONS



STAFF ACHIEVEMENTS

- ❖ Ms. Meera K mentored S3, S5 and S7 students for the two-day workshop in Phase 1 of the “Creators of the Metaverse” Program in partnership with AICTE, supported by Meta Platforms Inc., conducted from September to October 2023.
- ❖ Mr. Rejaneesh R attended the program All Kerala Branch Counselors and Branch Advisors Meet organized by IEEE on 14th Oct 2023 at ABAD PLAZA, Kochi
- ❖ Mrs. Anjali Sasikumar, AP/EEE delivered a talk about latex for all S7 EEE & ECE students on 12th Oct 2023.
- ❖ Mr. Sugesh M.S (Assoc. Prof., ECE Department) actively completed the 2-day workshop on Business Intelligence using Power BI from 30th Sept 2023 till 01st Oct 2023 conducted by Microsoft certified trainer.
- ❖ Ms. Sreeja P (Assoc. Prof., ECE), Ms. Anjali Ananthan, Ms. Praseena K Ms. Shehras V.U (Assistant Professors, ECE) attended 3 day online FDP on Communication and Robotics System Modeling with MATLAB and Simulink from 19th Oct 2023 to 23rd Oct 2023.

- ❖ Ms. Anjali Ananthan (Asst. Prof., ECE) and Ms. Meera K (Asst. Prof. CSE) provisionally selected for PhD program under KTU for the academic year 2023-24 on 27th Oct 2023.
- ❖ Mr. Anoop KC, Asst. Prof. ME, attended a course on Electric Vehicles conducted by ASAP from 19th Oct 2023 to 21st Oct 2023.

PROGRAMME CONDUCTED

- ✚ As a part of Inspire, ECE Department Association Program, Alumni interaction with 2016-20 batch Alumni Ms. Sindhoori was conducted for S3 students on 12th Oct 2023.
