

SREEPATHY INSTITUTE OF MANAGEMENT AND TECHNOLOGY

VAVANOOR, PALAKKAD DIST – 679533

www.simat.ac.in



ANNUAL REPORT: 2021-2022

SREEPATHYINSTITUTE OF MANAGEMENT AND TECHNOLOGY

VISION

“Striving for excellence in generation and dissemination of knowledge.”

MISSION

- **To mould engineers of tomorrow, who are capable of addressing the problems of the nation and the world, by imparting technical education at par with international standards**
- **To instill a desire in students for research, innovation, invention and entrepreneurship**
- **To strive for creative partnership between the industry and the Institute**
- **To impart the values of environment awareness, professional ethics, societal commitment, life skills and a desire for lifelong learning**





Dr S P Subramanian
Principal

Introduction

This academic year has been a turnaround point for the institution. In spite of the difficult situation due to the pandemic, this year has gone down as one of the successful years of Sreepathy Institute of Management And Technology (SIMAT) due to the college being accredited by NAAC with the grade of B++. It was a historic occasion for the Management, staff and students and SIMAT is already planning for the NBA accreditation as the next step. Also the R&D department of SIMAT has headed by Dr. K T Madhavan (Retd. Scientist NAL Bangalore) and his team got a research grant of 18.514 Lakhs for the project titled “Power management system for energy efficient hybrid power source for UAV”.

The year 2021-2022 witnessed remarkable progress in the academic, co-curricular and extracurricular activities in the college. A lot of events were conducted as the situation slowly returned to normal. It is a privilege to present this report which documents the activities of SIMAT for the year 2021-22. This Annual report presents a holistic view of the academic, student centric support system and administrative mechanisms of SIMAT during the period.

University Results

The results produced by our students (2018-22 batch) in the University Examination is slightly below that of what was achieved in the previous year. The change from online examination mode to offline examination mode was a major factor. The consolation is that the results of SIMAT were higher than the Average University results and are as indicated below.

Sl No	Branch	No. of Students appeared	No. of students passed	Pass %
1	CE	33	16	48.48
2	CSE	47	24	51.06
3	ECE	13	7	53.84
4	EEE	18	6	33.33
5	ME	28	16	57.14
Overall		139	69	49.64



It is known that Sreepathy stands among the top 70 colleges in terms of results in the University out of around 140 Engineering Colleges in Kerala which is highly encouraging. The faculty and staff team feel proud to provide quality education by equipping our students with skills, confidence and a positive approach with an all-round development which is made possible with the financial assistance provided by our management.

Training & Placement

The academic year gone by was not a very prospective year for the department due to the post pandemic situation. A lot of placement training activities had been scheduled for the students providing top quality outsourced training for various batches in the areas of soft skills, mathematical aptitude etc.

The department also has made some commendable efforts in providing opportunities for the students to take part in various recruitment drives of around 60 plus organizations, via campus/off campus/pooled campus recruitment drives, job fairs etc. The details of few of our students who got placements, are given below

Sl No	Company	Mode of Placement	Date of drive	Students placed(Attended)					Total Placements
				ME	CE	EE	EC	CS	
1	TCS	ONLINE RECRUITMENT THROUGH KTU	OCT/ SEPT 2021	0 (22)	0 (8)	0 (5)	1 (18)	4 (25)	4 Parvathi S Menon;Surya.K;Sreeram.M.S; Dinoop.K.V.(CSE);Abhinand.P.S (ECE)
2	WIPRO THROUGH KTU	ONLINE RECRUITMENT	OCT/NOV 2021	0 (22)	0 (8)	0 (5)	0 (18)	2 (25)	2(Aswathy.S, Anirudh S Rajeev)
3	SUTHERLAND(VOICE), KOCHI	SIMAT RECRUITMENT	DEC 2021	5 (28)	4 (32)	5 (18)	3 (12)	7 (21)	24(Anagha, Anju Praveen, Arjun Aravind (ECE); Jagadeesan ,Vasudevan, Vishnu, Vivek, Arun Nair (ME); Sreenath, Gayathri, Neeraja, Gokul, Vaishnavi, Nimisha, Vaisakh (CSE); Vishnu Lakshmi, Akhil,Sivanath, Therinshim,Sraavan (EEE);Ankitha, Siluna, Sonula, Swathy, (CE))

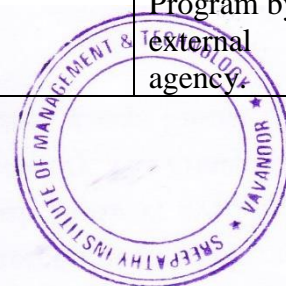


4	SUTHERLAND (NON VOICE), KOCHI	SIMAT RECRUITMENT	DEC 2021	8 (28)	7 (32)	3 (18)	4 (12)	12 (21)	34 students
5	HEXAWARE	ONLINE RECRUITMENT	JANUARY 2022				1 (7)	1 (25)	2 (Aswin V Haridas-CSE);Abhinand (ECE)
6	INFOSYS THROUGH KTU	ONLINE RECRUITMENT	FEBRUARY 2022	1(5)			3 (7)	1 (18)	4(Anju Praveen & Abhinand.P.S. ECE), Chitra.MR(ECE), Aneesh.P.S (ME), Abhirami.(CSE)
7	6 D TECHNOLOGIES, BANGALORE	ONLINE RECRUITMENT	JANUARY 2022				0 (7)	1 (18)	1(Sreeram- CSE)
8	CSS CORPORATION	ONLINE RECRUITMENT	JANUARY 2022				0 (7)	1 (18)	1(Neeraja- CSE)
9	EARNST& YOUNG through. G Tech.	ONLINE RECRUITMENT	FEBRUARY 2022					2 (12)	2 Abhinand (CSE); Anirudh .S. Rajeev
10	CAPGEMINI TECH. SERVICES LTD	ONLINE RECRUITMENT	FEBRUARY 2022				1 (6)	2 (12)	3(Aswathy.S. CSE); Anirudh.S. Rajeev(CSE); Anju Praveen (ECE)
12	BYJU'S LEARNING APP.	ONLINE RECRUITMENT	FEBRUARY 2022	0 (2)	0 (7)	1 (10)	0 (12)	0 (14)	1(Sravan) EEE
13	UST GLOBAL	ONLINE RECRUITMENT	MARCH 2022			1 (7)	1 (8)	1 (16)	3, Vishnulakshmi (EEE), Abhirami. AC (CSE), UMa (ECE)
14	NEST (All branches)	ONLINE RECRUITMENT(KTU)	APRIL 2022				0 (10)	1 (16)	1,Roshan.K.V (CSE)
15	LINWAYS TECHNOLOGIES	SIMAT	JUNE 2022					1(4)	1, Adarsh.M.(CSE)
PLACED DEPARTMENT WISE (OFFERS)				14	11	10	14	36	83
TOTAL STRENGTH DEPARTMENT WISE				28	32	19	13	47	139

Some of the major training programs conducted by the Placement and Training Department are listed below



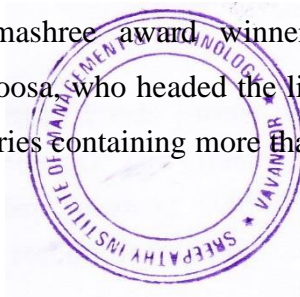
Sl.No.	Particulars Of Training	Program Conducted	Agency	Schedule	Total Students /Covered	Remarks
1	First Year Students	Orientation Program	In house	22-11-2021 to 27-11-2021	75	In house training
2	First Year Students	Campus to Corporate	The Next Level, Thrissur	26-04-2022	63	Program by external agency.
3	All staff of SIMAT	Faculty Development -- Motivation	Dr. Thomas George, Leads College, Palakad	11-12-2021	100	Program by external agency.
4	Second year students (All branches)	Learn the Language and present yourself	The Next Level, Thrissur	02-06-2022&03-06-2022	82	Program by external agency.
5	Second year students (All branches)	Career Guidance for B. Tech graduates	Unacademy Learning, Thrissur	26-05-22	82	Program by external agency.
5	Third Year (CSE, ECE and EEE)	Coding / Programming	Srishti Innovations, Infopark, Trivandrum	12-07-2022and 13-07-2022	65	Program by external agency.
6	Third Year (CE)	Introduction to softwares for Civil Engineers(Building Image Modelling)	InterCADD, Trivandrum	28-04-22& 29-04-22	25	Program by external agency.
7	Third Year (All batches)	Campus to Corporate	The Next Level, Thrissur	26-04-2022	93	Program by external agency.
8	Third Year (ME)	Piping design and Engineering	Paramount Institute of Piping Engineers, Thrissur	21-6-22&22-6-22	21	Program by external agency.
9	Third Year (All batches)	Career Guidance for B. Tech graduates	Umacademy Learning, Thrissur	26-05-22	112	Program by external agency.



10	Third Year (Circuit branches batches)	Cyber Security	Red Team Hacker Academy, Perintalman na	Jul-22	65	Program by external agency.
10	Final Year	Intensive Aptitude Training -3 days	Pragmatix Learning Resources, Kochi.	08-11-2021 to 10-11- 2021	135	Program by external agency.
11	Final Year	Pre Placement Training - 2days	Infinitz IT Solutions, Kochi	05-04- 2022&06- 14-2022	135	Program by external agency.
12	Final Year	Quality Control Engineer (NDT) training	Decibel, Pattambi	12-02-2021	27	Program by external agency.
13	Final Year	Career Guidance- Appearingf for GATE	Manifold , Thrissur	03-08-2022	90	Program by external agency.
14	Final Year	Career Guidance- Study Abroad	Eazy Link Academy, Thrissur	03-03- 2022	132	Program by external agency.
15	Final Year	Career Guidance- Management Studies after B. Tech.	Rise Institute, Thrissur	26-04- 2022	130	Program by external agency.
16	Final Year	Introduction to softwares for Civil Engineers(Building Image Modelling)	Inter CADD, Trivandrum	28-04-22	33	Program by external agency.

Induction Program

Student Induction Programme for the first year B. Tech students (2021 Admn) was held from 22nd November to 30th November 2021 in the College Auditorium as per the University norms. The programme was inaugurated by recent Padmashree award winner Padmashree Sri. Sathyanarayanan Mundayur also known as Uncle Moosa, who headed the library movement in Arunachal Pradesh and established more than 10 libraries containing more than 10000 books. He



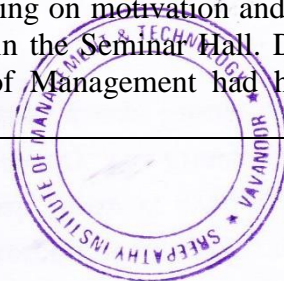
stressed on the need of appropriate technology in engineering and green technology. He also advised the students to have correct idea about the various social issues. A lot of other programs were conducted throughout the period including compulsory online sessions by the University. The students were given a brief idea regarding the various branches in Engineering, KTU rules/regulations, cyber laws, safety and co curricular activities such as IEDC, NSS and IEEE. The program ended with a cultural show by the students.

Co-curricular and extracurricular Activities

In the co-curricular and extracurricular areas more facilities/ opportunities were created during the year as the college slowly reverted back to the offline mode. Students were encouraged to participate in the various arts / cultural / technical events both in the college and intercollegiate level. Many of our students won prizes in these events. Also sports events were also conducted. Some of the program conducted by the college, achievements of students and staff are listed below

Program Conducted at college level

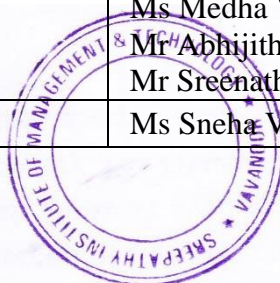
Sl. No	Program Conducted
1	Virtual Farewell by all departments to the outgoing 2017 batch during the month of July/August 2021
2	SIMAT was an examination center for the conduct of JAIIB Exams on 28/8/21 and 29/8/21 with Ms. Jayasree N. Vettath, AP, CSE as the Center Head and Mr. Gireesh V. T. as IT Admin.
3	Felicitation of Mr Sandeep Nithyanandan on 13th October 2021 in the college Seminar Hall for bagging the First rank in the recruitment process for the post of Scientist / Engineer in ISRO
4	NAAC Visit Completion - Appreciation Program involving all staff members for the successful completion of NAAC visit was conducted on 19th November 2021 by Sreepathy Management in the Seminar hall.
5	Amplexor '21 Student Induction Programme Inauguration for the first year B. Tech students (2021 Admn) was held on 22nd November in the College Auditorium. Inauguration by Padmashree Sri. Sathyanarayanan Mundayur
6	Electoral Enroll Campaign - was conducted on 24/11/2021 by the Electoral Registration Office, Pattambi. The Deputy Tehsildar, Mr. Haridas, inaugurated the program.
7	Scholarship was distributed to two needy students from ECE department which was donated by 2010 – 14 batch of ECE department. An amount of Rs. 20,000/- in the form of scholarship in memory of their classmate Mr. Pavithran T M (1992 – 2019) was distributed on 03rd December 2021.
8	One day Faculty Development Program mainly focusing on motivation and improving admissions was conducted on 11th December 2021 in the Seminar Hall. Dr. Thomas George K, Chairman & Director, LEAD College of Management had handled the session.



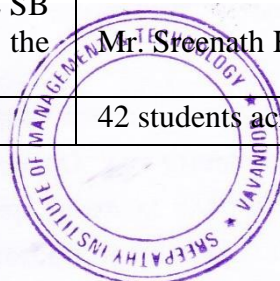
9	Christmas celebrations on 23/12/2021
10	CSE & ECE jointly organised an Art and Craft workshop for SIMAT lady Staff on Feb 23 rd 2021.
11	“Cooking Without Fire and Wire” was organized jointly by the Department of CSE and ECE under the leadership of Dr. Hema P Menon and Prof. Sushma M on 11th March 2022.
12	Staff Recreational Tour To Bhoothathankettu Dam, Paniyeli Poru on 01/04/2022
13	Annual Arts, Sports and Tech festival ‘Kalaash 2022’ on 12/05/2022 & 13/05/2022
14	One day Workshop on ‘Rural Development’ through collaboration between Local Self Government Department and Higher Education Institutions jointly by IIT Palakkad, KILA Thrissur and the college. The function was inaugurated by Sri. M B Rajesh, Honourable Speaker of Kerala Legislative Assembly and MLA Thrithala . Constituency on Thursday, 9th June 2022. On the same day, under the SAMATHVA – Bridge the Digital Divide Scheme, laptop distribution was arranged in the college seminar hall.
15	REVERBERATION – 2022, an event to Felicitate university rank holders and Alumni get-together of 2016-2020, 2017-2021, 2018-2022 Batch, was conducted at college Auditorium on 02nd July 2022, Saturday.

Student’s achievements

Sl No	Event, Date and Venue	Achievers
1	Achieved SGPA 10 in KTU S8 examination results published in July 2021	Anjitha P C – S8 CE Saranya P – S8 CE
2	Bego Energy, a startup founded by SIMAT Alumni and current students was identified as a startup by Kerala Startup Mission.	Badarudheen (2009 Batch), Uma Parvathi M M (2017 Batch), Srejin K (2017 Batch), Sreehari G (2017 Batch) Vishnu M P (2016 Batch)
3	Selected for the KSCSTE Project financial assistance with the assistance of Mr. Sebin Sunny P, Asst. Prof. EEE (PI)	Yesudas P Hareesh R Akhil V Rahul C P (2019 Batch)
4	Speaker of the webinar "An Insight to Competitive Programming" conducted by IEEE SIMAT SB on 12/09/2021	Vaishnav S, S5 CSE, Ambassador, IEEE Xtreme 15.0
5	First rank in the recruitment process for the post of Scientist / Engineer in ISRO	Mr. Sandeep Nithyanandan of 2012-16 batch CSE
6	Selected as EdSoc Campus Ambassador, AISYWLC 21.	Mr Venkitesh M P - S5 CSE
7	Selected as Co-Lead, Program Committee, Global Youth Congress 2021.	Vaishnav S, S5 CSE
8	Selected as AISYWLC 21 Student Branch Associate	Ms Medha Vasudevan - S3CE Mr Abhijith P - S7 CSE Mr Sreenath K V - S7 CSE
9	Selected as Ambassador TSC'21.	Ms Sneha V P - S5 CSE



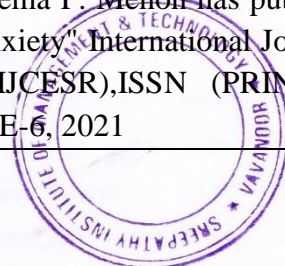
10	Secured first prize in Cartoon Drawing competition organized by Govt. Engineering College, Barton Hill, in association with NSS Technical Cell, APJ Abdul Kalam Technological University.	Mr. Vimal K N, S3 EEE
11	Secured SGPA 10 in the S1 KTU examination results published by university.	Ms Anjali K, S1 ECE
12	Completed a 1 month internship in Python at Aster Medicity, Kochi during the period 29/09/2021 to 30/09/2021	Mr. Sreeram M S, S5 CSE
13	Completed a 1 month internship in Python for ML/AI at Aster Medicity, Kochi during the period 29/09/2021 to 30/09/2021	Ms. Sruthy M, S5 CSE
14	Completed a 1 month internship in Python Django Full Stack Development at Fendra Solutions Malappuram during the period 01/10/2021 to 30/10/2021	Mr. Shahin Mohammed, S7 CSE
15	Developed an Audio enabled digital location indicator for the SIMAT campus during Nov 21.	S7 ECE Students guided by Mr. Vishnu Namboodiri, ECE Dept
16	Performed Kathakali in connection with NAAC peer team visit on 17th November 2021 in the college auditorium.	Ms. Gouri. M.N, S1 ECE
17	Frizbee 21 Campus Ambassador	Mr. Sarath Krishnan PV, S5 CSE Ms. Medha Vasudevan, S3CE Mr. Sravan S, S7 EEE
18	Hack() 2021 Campus Ambassador	Ms. Aysha Pareekutty, S5 CSE Mr. Sarath Krishnan PV, S5 CSE
19	The idea submitted to Adaptive Computing challenge organized by Xilinx was selected for hardware support and project grant. To do further research on the proposed theme, Kria KV260 vision AI Starter Kit worth INR 45,000/- was awarded to the team by Xilinx.	Mr. Yesudas P Y, Mr. Hareesh R, Mr. Akhil Vinod
20	Winners in the Gaming Series –“Gamify” conducted by IEEE SIMAT SB on 02/12/2021	Mr. Vishak M, Ms. Abhirami A.C.
21	IEDC SIMAT & Clementia, the CSE Association, jointly organized a 3 day PHP workshop for S3 & S5 students from 20th to 22nd December 2021.	Resource Person: Mr. Aswin V., Mr. Anirudh S. Rajeev & Mr. Sreeram M.S. S7 CSE Coordinators: Ms. Parvathy S. Menon & Ms. Niranjana V. K. S7 CSE
22	Outstanding Student Volunteer Award of IEEE SB SIMAT for his remarkable contributions in the year 2022.	Mr. Sreenath K V, S8 CSE
23	Visited the Nodal centre for Robotics and	42 students across all



	Artificial Intelligence (NCRAI) at Government Engineering College, Thrissur on 27th April 2022.	departments and 4 staff members
24	A session on "REACT NATIVE BASICS" was conducted on 24/06/22	Resource Person Nanda Krishnan K. (2019 Batch)
25	Project titled "Design and Fabrication of Domestic Waste Management System" in the state-level project competition held at Jawaharlal College of Engineering and Technology, Lakkidi, Kerala, on July 2, 2022, and won the second prize	Jagadeesan A K Aneesh P S Neeraj K Vishnu V Guided by Dr Ramkumar P N, HOD ME
26	Successfully completed 2 month Python, MongoDB and Flask Internship and training by Reverttech IT solutions from Jan to Feb 2022	Satheerth Nair, S2 ECE Gokul C H, S2 ECE

Publications

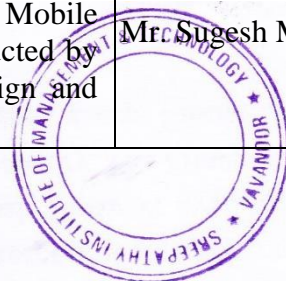
SI No	Publication
1	Uma Parvathi MM, Arshida P, Athira P, Srejin K, Suhana Husna P, Sebin Sunny P published the paper "Visage Radar: Detection system" International Journal of Innovative Research in Computer and Communication Engineering, Volume 10, Issue 7, July 2021, DOI: 10.15662/IJAREEIE.2021.1007058
2	Conference publication, Sebin Sunny "Real Time Data Monitoring Using LoRaWAN in Different Cloud Platforms," 2022 6th International Conference on Devices, Circuits and Systems (ICDCS), 2022, pp.455-459, doi: 10.1109/ICDCS54290.2022.9780797.
3	Ramkumar P N, Crecentine J K, Sreedath M K, Vinay Krishnan U, Krishnan K N had presented and published the paper titled Design Modification of Handmade paper Making Machine for Improving Productivity in the Second Virtual International Conference on Advanced Technologies and Research in Mechanical Engineering from 24th to 26th May 2022 organized by the Department of Mechanical Engineering, MEA Engineering College, Malappuram, Kerala, India, ISBN NO. 978-81-956814-0-2
4	Ramkumar P N, Sagar M Narayanan, Sarath Sankar K S, Sarath S, Syam Prasad G had presented and published the paper titled Barriers to Implementation of Industry 4.0 in the Developing Countries" in the Second Virtual International Conference on Advanced Technologies and Research in Mechanical Engineering from 24th to 26th May 2022 organized by the Department of Mechanical Engineering, MEA Engineering College, Malappuram, Kerala, India, ISBN NO. 978-81-956814-0-2
5	Gopika, Haritha H., Sabira Reshni I.K., Hema P. Menon has published the paper "Automatic prediction of depression and anxiety" International Journal Of Current Engineering And Scientific Research (IJCESR), ISSN (PRINT): 2393-8374, (ONLINE): 2394-0697, VOLUME-8, ISSUE-6, 2021



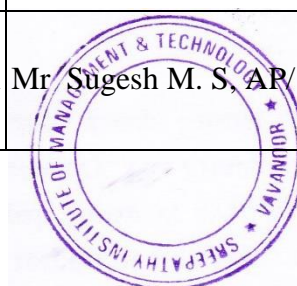
6	Akhil V , Hareesh R , Rahul C P , Yesudas P Y , Sebin Sunny P published the paper "IR Carbide Cannon"International Journal of Innovative Research in Computer and Communication Engineering,Volume 9, Issue 3, March 2021 , DOI: 10.15680/IJIRCCE.2021.0903015
7	Jasna P. S. , Aiswarya M. K. , Krishnapriya K.V. , Sisira P.C. , Jayasree N. Vettath. Published the Paper "D-PREDICT :DISEASE PREDICTION USING GAUSSIAN NAIVE BAYES ALGORITHM" International Journal Of Current Engineering And Scientific Research (IJCESR),ISSN (PRINT): 2393-8374, (ONLINE): 2394-0697, VOLUME-8, ISSUE-6, 2021

Staff achievements

SI NO	Event, Date & Venue	Name of Staff Members
1	Project titled "Power management system for energy efficient hybrid power source for UAV" submitted by Sreepathy R&D division got a research grant of 18.514 lacs. The grant was sanctioned by Aeronautics R&D board, Ministry of defence, DRDO, Govt. of India on 18/08/2021	Mr. Sebin Sunny P, AP/ EE
2	Event: Online faculty workshop on "Embedded Systems-An application driven approach" organized by the All India Council for Technical Education (AICTE), ATAL Academy, ST Microelectronics and Arm Education Date : 25th - 27th August,2021.	Mr. Sebin Sunny P, AP/ EE Prof. Sushma M, ECE Dept
3	Idea submitted was selected as one among the best 19 ideas by Prof. Rajat Moona, STMICROELECTRONICS and ARM TEAM in the ideathon conducted as part of the online faculty workshop on "Embedded Systems-An application driven approach" organized by the All India Council for Technical Education (AICTE), ATAL Academy, STMICROELECTRONICS and ARM EDUCATION from 25th - 27th August, 2021	Mr. Sebin Sunny P, AP/ EE
4	Portrayed in GEMS of Mentor India Portal Published by Niti Aayog, Govt of India.	Mr. Sebin Sunny P, AP/ EE
5	Event : 5-day faculty development Programme on "Entrepreneurship and Essential Skills for Innovation (EESI)" sponsored by APJ Abdul Kalam Technological University, Kerala, hosted by Department of Mechanical Engineering, MES College of Engineering, Kuttippuram from 06th to 10th September 2021.	Mr. Syam Prasad G, AP/ME
6	Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Machine Learning Algorithms for 5G Mobile Networks" from 04/10/2021 to 08/10/2021 conducted by Indian Institute of Information Technology Design and Manufacturing Kancheepuram.	Mr. Sugesh M.S, AP / ECE



7	Conducted an One-day workshop on Arduino jointly organized by Inspire, Association of ECE and IEDC on 06/10/2021 for ECE students in the software laboratory	Resource Person: Mr. Sebin Sunny P, AP/ EE Coordinator: Ms Sreebala P AP/ECE
8	As a part of preparation of faculty mentors for Universal Human Values (UHV) by AICTE, one of our faculty members from ECE department has successfully completed the 5-day Introductory UHV FDP in the online mode during 8 th to 12 th November	Mr. Sugesh M.S, AP / ECE
9	Attended an online workshop on DSP Lab with DSK 6713 organized by the Dept. of ECE, RIT Kottayam from 24/11/2021 to 26/11/2021.	Ms.AnjaliAnanthan and Ms.Praseena K (AP, ECE Dept)
10	Nominated as official in 65th state junior athletic championship 2021, Calicut University, held at CH Mohammed Koya Auditorium, Malappuram	Mr. Ratheesh T, Physical Education Instructor, AS&H Dept
11	Qualified as BEE Certified Energy Manager by the 21 st National Certification Exam.	Mr. Renjith P C, AP/EEE
12	Successfully attended and completed 4 days online FDP in ML & AI organized by ASAP, Microsoft, SAP labs and Edunet during 21st to 30th December 2021.	Mr. Sebin Sunny P, AP/ EE
13	Attended the IPR awareness/training program under the mission “National Intellectual Property Awareness Mission (NIPAM)” by Office of Controller General of Patents, Designs and Trade Marks on 17/01/2022	Dr. Ramkumar P N (AP, ME Dept)
14	Attended an online training on “Understanding Fingerprints & Mind Engineering” hosted on Speed-Learning Sundays by Educlouds, India & UK on 30/01/2022	Mr. Sarath S (AP, ME Dept)
15	Participated in a 5 day FDP on “Applications of Deep learning techniques in 5G wireless communication technologies” organized by department of ECE of VelTech Rangarajan Dr.Sagunthala R & D Institute of Science & Technology, Avadi ,Chennai from 08/02/2022 to 12/02/2022	Mr Sugesh M. S, AP/ ECE
16	Participated in a webinar on “How to write successful Research Proposal” held on 23/02/2022 conducted by Department of ECE of Sri Shakthi Institute Of Engineering & Technology, Coimbatore	Mr Sugesh M. S, AP/ ECE
17	Our faculty translated the transcripts of the NPTEL course "Differential equations for engineers" offered by IIT, Madras into Malayalam.	Dr. Ramkumar P N , ME Dept
18	Completed the one day online training program on “sEMG Signal Acquisition Using BIOPAC Data Acquisition System “organized by Department of Instrumentation &	Mr Sugesh M. S, AP/ ECE



	Control Engineering, NSS College Of Engineering, Palakkad on 02/03/2022.	
19	Technical official for National Federation Cup Athletic championship held at Calicut university stadium (organized by Kerala state athletic association) from 1st to 4th of April 2022.	Mr. Ratheesh T, Physical Education Instructor, AS&H Dept
20	Represented Kerala athletic team in National Masters Athletic championship held at Chennai from 27th to 30th of April 2022.	Mr. Ratheesh T, Physical Education Instructor, AS&H Dept
21	Part of a team that applied for patent on 04/04/2022 (Application No.202241020127 A). Title of the invention: A Method For Efficient Power Allocation In Multiple Input/Output And Small Cell Network Systems	Mr Sugesh M. S, AP/ ECE
22	Visited Kerala Police Academy Thrissur and taught Basics of Automobile Engineering to the police men.	Dr.Sagar Narayanan (HOD AS&H)
23	Successfully completed Suicide Prevention Online Training organized by the Institute of Mind and Brain in association with the University of Cambridge.	Dr. Ramkumar P N , ME Dept
24	Convened the one day workshop for research aspirants- SCISCO 09/05/2022	Dr. Hema P. Menon
26	Chaired a session in the Second Virtual International Conference on Advanced Technologies and Research in Mechanical Engineering during 24th to 26th May 2022 organized by the Department of Mechanical Engineering, MEA Engineering College, Malappuram, Kerala, India.	Dr Ramkumar P N (AP, ME Dept)
27	Delivered an invited talk on the topic "Sustainable manufacturing in Industry 4.0" in the Second Virtual International Conference on Advanced Technologies and Research in Mechanical Engineering during 24th to 26th May 2022 organized by the Department of Mechanical Engineering, MEA Engineering College, Malappuram, Kerala, India.	Dr Ramkumar P N (AP, ME Dept)
28	Was visiting faculty at Kerala Police Academy Thrissur and taught Basics of Automobile Engineering to Recruit Driver Police Constables of MSP and SAP BNs.	Dr.SagarM.Narayanan (HOD AS&H)
29	Coordinated the workshop on Research Paper Writing conducted on 11/07/22 organized by CSE & ME depts.	Dr. Hema P. Menon (HOD, CSE) & Dr. Ramkumar P.N. (HOD, ME)



College Association/Club activities

SIMAT conducts many activities regularly under various technical associations and clubs such as IEDC, NSS, Women's cell and IEEE to name a few. Some of the major events held in the college under the various during 2021-22 are tabled below.

Innovation & Entrepreneurship Development Center (IEDC)

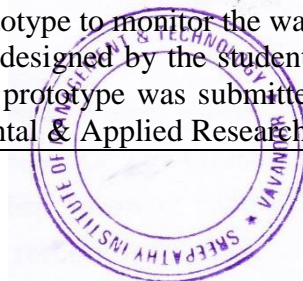
Innovation & Entrepreneurship Development Center (IEDC) was established in Sreepathy Institute of Management And Technology (SIMAT) in 2015. IEDC is a separate center with financial support from Kerala StartUp Mission (KSUM). The club was also recognized and supported by Directorate of Industry and Commerce, Government of Kerala(DIC, Palakkad). The major activities IEDC, SIMAT was involved in 2021-22 are listed below:

Sucess Story - Academic Year 2021-2022	
In March 2022 Kerala Startup Mission recognized SIMAT IEDC as a Technology Business Incubator (TBI) and SIMAT was Approved in principle to act as a Host Institute (#HIBIKL002887) for implementation of the Incubation component under MSME Innovative Scheme (a component under MSME Champions scheme) in the Meeting of 2nd PMAC held on 22/06/2022 at New Delhi.	
IEDC SIMAT was selected as one among 8 IEDCs as the top performing IEDC in the state of Kerala. Mr. Sebin Sunny P received the top performing IEDC award from Prof Bindhu, Higher Education minister, on 19th June 2022	
Incubated 3 Start-ups, namely, Happy Moon LLP, Norion solutions and Hesin Solutions.	
KSCSTE funded project titled "IR Carbide Cannon" was successfully submitted to KSCSTE in Aug 2021. The project was done by students of CSE under the guidance of Mr. Sebin Sunny P (Asst. Prof. in EEE Department)	

1	TBI-Orientation	An orientation session on working of start-ups and Technology Business Incubator in association with IEDC - KSUM, IIC, was organised on on 06th October 2021. Companies attended are Bego Energy, Start key Solution, Tripool Solutions, Techtraction, Hydroig Innovations, Growtips & Bytatrix solutions
2	Entrepreneurship & Career Development Webinar	Smitha (Technology Lead, Swifterz LLP) inaugurated the programme. Mr. Anand Tyagaraj (CEO, Swifterz) on 12th October 2021
3	Mirror: Soft skill and Career orientation program	Conducted by IEDC SIMAT 19th November 2021
4	National Level Awareness Programme on Entrepreneurship [SAMBHAV]	An online workshop for the students on 20th November 2021, as a part of Azadi Ka Amrit Mahotsav, MSME- Development Institute, Thrissur
5	A session on Student	Jointly organized by IEDC and ISTE on 9th December 2021 at



	Startup Schemes and funding by KSUM	SIMAT.
6	Mentoring Session of Startup Awareness and Leadership Training (SALT) Program	Mr. Sreerag, Mr. Akhil T & Mr. Arjun P P (ME 2018 Batch) attended the program on 18th December 2021 in Trivandrum conducted by IEDC and KSUM
7	Xilinx Project Grant	The idea submitted by Mr. Yesudas P Y, Hareesh R, Akhil Vinod & Mr. Sebin Sunny P to Adaptive computing Challenge organized by Xilinx was selected for hardware support and project grant.
8	3 day Workshop on PHP	IEDC SIMAT & Clementia, the CSE Association , jointly organized a 3 day PHP workshop for S3 & S5 students from 20th to 22nd December 2021.
9	IEDC Awareness Session	An awareness session on Innovation & Entrepreneurship Development Center was conducted as a part of NSS 7 Days special camp on 23rd December 2021
10	ATL Marathon Workshop	Start-up Awareness & Leadership Training Programme organized by IEDC SIMAT and KSUM was inaugurated at PHSS Pallipuram on 19th January 2022.
11	KSUM SALT Meet up	IEDC SIMAT and KSUM organized a Startup Awareness & Leadership Training Programme at Govt. HSS Mezhatthur via Gmeet on 20th January 2022.
12	Arduino Workshop and SALT Inauguration	IEDC SIMAT and KSUM organized a Start-up Awareness & Leadership Training Programme at Sarvodayam VHSE and was inaugurated on 21st January 2022.
13	Hack to the Future – Two days Hackathon	A two day hackathon was organized on 12th and 13th of February 2022 via KDISC Zoom. The event was organized by IEDC SIMAT in association with KDISC.
14	Ideathon	An Ideathon was jointly organized by IEDC SIMAT and KDISC on 13th February 2022
15	Tinker fest	Tinker fest, an idea presentation competition, was conducted on 19th February 2022 via Gmeet.
16	ATL Marathon	An awareness workshop on ATL Marathon was jointly organized by IEDC SIMAT and Atal Innovation Mission on 27th February 2022 via GMeet.
17	Bamboo Cluster Exposure Visit	K-DISC through its district arms the District Innovation Councils (DICs) have initiated the One District One Idea – MSME Innovation Clusters programme (ODOI). As a part of the initiative SIMAT & Govt College, Chittoor, were identified to study the Bamboo cluster of Palakkad District.
18	Vellinezhi Kalagraman Cluster Exposure Visit	As a part of the ODOI initiative SIMAT & Govt. Victoria College, Palakkad, were identified to study the Vellinezhi Kalagramam cluster of Palakkad District.
19	Realtime Reservoir Monitoring system Field Test	A project entitled, Realtime Reservoir Monitoring, was developed by students of EEE to monitor the water level of Peechi dam. As a first step a prototype to monitor the water level of Peechi dam in real time was designed by the students of the EEE department, SIMAT. The prototype was submitted to Er. Suprabha N (Director, Fundamental & Applied Research, KERI)



		on 10th March 2022.
20	One Day Workshop on An Insight To Signal Processing	One Day Workshop on An Insight To Signal Processing was Conducted by the Department of CSE in association with IEDC and ISTE on 29/04/2022 at Seminar Hall
21	Arduino week	IEDC SIMAT was identified by Arduino to host the Arduino week in the last week of March 2022 ending 4th April 2022.
22	Flutter Workshop	IEEE SB SIMAT conducted a workshop on 'FLUTTER' in association with IEDC SIMAT and ReverTech on 25th June 2022 at the college campus.
23	Hands on Training Workshop in MatLab	A hands on training workshop in MATLAB was conducted on 14th and 15th July 2022. The boot camp was jointly organised by IIT Palakkad, MathWorks and IEDC SIMAT.

National Service Scheme (NSS) activities

NSS SIMAT has been actively involved in providing hands-on experience to young students in delivering community service through various programs and commemoration of important days. Some of the major events are listed below

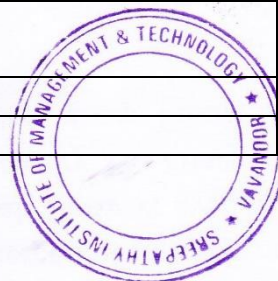
Sl No	Event	Partner	Date
I	Extension Activities		
1	Neighbourhood Community		
	(a) Painting work at adopted school	GBLPS Koodallur	15/01/22
2	Swatchh Bharath		
	(a) Nipunya-Cleaning Program	Nature Club, SIMAT	06-04-21
	(b) Cleaning at adopted school	GHSS Chathanoor	10-02-21
	(c) Cleaning at adopted school	GHS Nagalassery	10-03-21
	(d) Campus cleaning		13/11/21 to 17/11/21
	(e) Navin Virya-Biogas Plant Design Challenge	TKM college of engineering	17-09-21
3	Blood Donation	Blood Bank, District Hospital Palakkad	20/01/21
	(a) Blood donation campaign	RUDHIRASENA	15-09-21
4	Gender Sensitization		
	(a) Awareness video on world menstrual hygiene day		28/05/21
	(b) National girl child day activities		24/01/22
5	Pain & Palliative Care		
	(a) We Can-Fund raising for cancer treatment		06-05-21
	(b) Visit to Pradeeksha Bhavan	Arikil, SIP Convention	28/11/21
6	Mapping project		



	(a) Internship on OSM Mapping	APJAKTU NSS CELL & Kerala IT Mission	22/04/21 to 27/04/21
	(b) Open street mapping project	APJAKTU NSS CELL & Kerala IT Mission	22/04/21 to 27/04/21
7	Orientation program		
	(a) Oru manassayi onnucheram- Orientation program		04-12-21
II	Commemoration/Celebration of Important National/International Days		
1	National Technology Day		05-11-21
2	World Menstrual Hygiene Day		28/05/21
3	World Environment Day		06-05-21
4	World Ocean Day		06-08-21
5	International yoga day		26/06/21
6	Independence day		15/08/21
7	National teacher's day		09-05-21
8	NSS day		24/09/21
9	Gandhi Jayanthi		10-05-21
10	National Constitution day		26/11/21
11	National Mathematics day		22/12/21
12	National youth day		01-12-22
13	National girl child day		24/01/22
14	Republic day		26/01/22
15	World science day		28/02/22
16	International Women's Day		03-08-22
III	Camps		
1	'Ardram'- 7 day special camp	Pratheeksha palliative care, Koottanad	23/12/21 to 29/12/21
IV	Awards / Recognitions		
1	Appreciation from adopted school (GHS Nagalassery)		
2	Appreciation from District Blood Bank, Palakkad		

IEEE SB SIMAT

Sl No	Events	Date
1	Webinar session on the topic "An Insight to Competitive Programming"	12/09/2021
2	Induction program for Freshers	24/11/2021 to 25/11/2021
3	Crossword competition MARVELOUS	29/01/2022
4	A puzzle competition FÆZE.	01/02/2022



5	A 5 Day learning series on the topic “Java and the concept of object orientation”	27/02/2022
6	A 5-day learning series of PCB DESIGNING	27/02/2022
7	WRITE IT OUT to Introduce students to the possibilities of ”Integrated approach in science and technology for Sustainable Future”	07/03/2022 to 10/03/2022
8	Agatha Quiztie by WIE	09/03/2022
9	A poem writing competition Spill The Ink .	09/03/2022 to 12/03/2022
10	A video making competition JUST A MINUTE on “Integrated Approach In Science And Technology For A Sustainable Future”	10/03/2022
11	Introduction to NEXTREME	17/4/2022
12	Programming tutorial of ” Programming in C”	26/04/2022
13	HAIKU Competetion	06/05/2022
14	Photographic competition Pixel lens	07/05/2022 to 14/05/2022
15	A treasure hunt “CHASSEAY TRESOR”	28/05/2022
16	Aptora Aptitude Test	05/06/2022
17	A talk on “Ten important Lessons I have learned for satisfying Life”	04/06/2022
18	Drawing competition Art Buzz	05/06/2022-08/06/2022
19	Poster designing competition Green Way	05/06/2022-08/06/2023
20	Quiz competition Trivia Junkies	06/06/2022
21	A talk on “Why (and how) Engineers should become Trans disciplinary Thinkers”	07/06/2022
22	CODIGO-The Coding Competition	15/06/2022
23	Ace It - Interview Round	19/06/2022
24	RJ competition	16/06/2022
25	Workshop on ‘FLUTTER’	25/06/2022
26	Advertisement competition known ‘NAAPTISTA	30/06/2022
27	A farewell ‘VALEO’to outgoing members	16/07/2022

Womens Development Cell

Sl. No	Events	Date	Remarks
1	WE FOR WOMEN Interactive speech	08/03/2022	Smt. Deepa Palanad, Kathagali Singer

Department Associations

Sl No	Event Name	Date	Remarks
Programmes Conducted by Association of Civil Engineering VYUHA			
1	Civil engineering Department Alumni Meet	07-11-2021	



2	Civil Engineering Association “VYUHA” Inauguration and a session on civil engineering practices.	01-06-2022	Mr.Nithin M T, Mr. Sreeraj K C, Invent Kerala
3	Seminar on Visualising flows: "Seeing is believing"	02-06-2022	Dr. K T Madhavan, Head, R&D
4	Farewell	03-06-2022	
5	Seminaron " After B Tech what is next?"	29-06-2022	Mr. Manoj, Delta4 Group
Programmes Conducted by Association of Computer ScienceEngineering CLEMENTIA			
1	Introduction to Augmented Reality & Virtuality	19-07-2022	Mr.Adithyan K.
2	React Native Basics	24-06-2022	Mr. Nanda Krishnan K
3	SCISCO-One day workshop for research aspirants Research Fundamentals- Formulation of Reaserch Problems	05-Sep-22	Dr.K.B. Maheswaran Namboothiripad
4	SCISCO-One day workshop for research aspirants Research proposals and funding opportunities	09-05-2022	Dr. K.T. Madhavan
5	Insight to Signal Processing	29-04-2022	Dr. R. Jayadevan
6	Networking and cyber security	07-03-2022	Dr. M. Sethumadhavan
Programmed Conducted by ECE Association INSPIRE			
1	Online Send Off For S8 ECE Students	11-07-2021	An Inhouse Program
2	A Workshop on Arduino	06-10-2021	An Inhouse Program
3	Icebreaking Session for S3, S5 and S7 Students	26-11-2021	An Inhouse Program
4	Alumni Interaction	23/03/2022 and 30/03/2022	An Inhouse Program
5	Tech Talk by Alumni	20-06-2022	Mr. Amal Das (Alumnus, SIMAT ECE 2015-2019)
Programmed Conducted by EEE Association BLITZKRIEG			
1	Conducted a quiz program- “KSEB POWER QUIZ- 2022” in association with KSEB	20/10/2022	Program in Association with KSEB for students of all departments



2	“VAAKUM VARAYUM - The SIMATian Art”	25-May22 to 1-Jul22	A program during the open hour
Programmes Conducted by Association of Mechanical Engineering ARMS			
1	Webinar on "Gearing up for a successful career after B. tech"	30-05-2021	Dr. T N Jagadeesh Kumar, Former Head, Employability Centre Thrissur
2	Student career enhancement programme - 1	03-12-2021	Mr. Sachinraj K K (S7 ME)
3	Student career enhancement programme - 2	10-12-2021	Mr. Akshilesh S (S7 ME)
4	Student career enhancement programme - 3	17-12-2021	Mr. Jagadeeshan A K (S7 ME)
5	Training program on Piping Design and Engineering	21/06/22 & 22/06/22	Mr. Jayan AN, Managing director, Paramount Institute of Piping Engineering
6	Farewell to Passing out Batch (2018-22)	24-06-2022	Mr. Ranjith P (Mechanical Association Chairman)

I feel extremely happy and privileged over the development of the college even during the pandemic and with the kind dedication and guidance by the Sreepathy Trust, our staff members and students, I am confident that Sreepathy will be known among top Engineering Colleges in Kerala in the near future. Students are oriented here towards conspicuous value additions, namely, the quest for knowledge, the desire for innovation, the approach for total personality development and the pride in being a member of SIMAT family. The institute has rightly envisioned becoming a role model in technical education and the most preferred choice of students, parents, faculty and industry.

Thank You and Best Wishes



Dr S P Subramanian
Principal

Sreepathy Institute of Management
and Technology, Vavanoor-679 538