

IEDC Annual Report

Innovation & Entrepreneurship Development Center

Sreepathy Institute of Management And Technology

Report Submitted By:

Sebin Sunny P
Nodal Officer (IEDC SIMAT)



Sreepathy Institute of Management & Technology
Vavanoor, Palakkad-679533

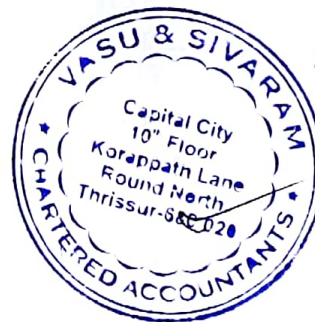
Affiliated to
APJ Abdul Kalam Kerala Technological
University
&
University of Calicut

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UTILIZATION CERTIFICATE

Certified that out of Rs. 3,30,000/- sanctioned by Kerala Start-Up Mission, towards Innovation and Entrepreneurship Development Centre (Sreepathy Institute of Management and Technology), an amount of Rs. 2,52,683/- was utilized for the purpose for which it was sanctioned, leaving a balance of Rs.77,317/- , lying with the concerned authority at the close of 31/12/2017 as shown in the Statement of Expenditure annexed.



For VASU & SIVARAM
Chartered Accountants
Firm Registration No. 004554S

CA. C. K. VASUDEVAN, FCA

Partner

Membership No. 018979

Place: Thrissur

Date: 11.01.18

Name & Signature
of the Chartered Accountant

SGBIN SUNNY P.
STAFF COORDINATOR
ENTREPRENEURSHIP DEVELOPMENT
CLUB SINAT.



Prof. (Dr.) K.K. BABU
DIRECTOR
Sreepathy Institute Of Management
and Technology
Vavanoor, Palakkad Dist - 679533

SREEPATHY INSTITUTE OF MANAGEMENT AND TECHNOLOGY, VAVANOR**Statement of Expenditure****Programme : Fund towards Innovation and Entrepreneurship Development Centre (SIMAT)****Duration : 1st August 2015 - 31st December 2017****Organised By : IEDC- Sreepathy Institute of Management and Technology**

Receipts	Amt	Payments	Amt
Amount sanctioned from KSUM	3,30,000.00	To Marketing Expenses	29,580.00
Revenue generated		" Payment To Guest Speakers	1,66,500.00
(various sources)	3,84,350.00	" Event Logistics Expenses	51,700.00
		" Refreshment Expenses	1,00,300.00
		" Competition Prize Expense	17,350.00
		" Student Registration fees	1,21,603.00
		" Workshop Materials	50,500.00
		" Industrial Visits	19,250.00
		" Lab Expenses	58,500.00
		" Project Support	21,750.00
		" Balance Carried Forwad	77,317.00
	7,14,350.00		7,14,350.00

Certified that I have exercised all kinds of checks to see that the grant has been utilized for the purpose for which it was sanctioned by Kerala Start-Up Mission.



For VASU & SIVARAM
Chartered Accountants
Firm Registration No. 004554S

CA. C. K. VASUDEVAN, FCA
Partner
Membership No. 018979

Name and Signature
of Co-ordinator

Name & Signature
of Head of the Institution

Name & Signature
Of Chartered Accountant

STAFF COORDINATOR
ENTREPRENEURSHIP DEVELOPMENT
CLUB SIMAT

Place : Thrissur

Date : 11.01.18



Prof. (Dr.) K.K. BABU
DIRECTOR

Sreepathy Institute Of Management
and Technology
Vavanoor, Palakkad Dist - 679533

SEBIN SUNNY.P

KSUM REPORT FORMAT

IEDC DETAILS					
Name of the College	Sreepathy Institute of Management And Technology				
College address	Vavanoor, Palakkad - 679533				
College code KTU/DTE	SPT				
Zone	North Central				
Fellow Responsible	Akhil Madhav				
Bank Details of the IEDC	Account Number	Bank	Branch	Beneficiary name	IFSC Code
	206201011002294	Vijaya Bank	Vavanoor	Entrepreneurship Development Club	VIJB0002062

IEDC Core Team Members					
Designation	Name	Mail ID	Contact Number		
Principal	Dr K K Babu	principal@simat.ac	9447027933		
Nodal Officer	Sebin Sunny P	sebinsunny@simat	9446870895		
Student Point of Contact	Vishnu C V	vishnucvd@gmail.c	7034525975		
Student Team				Academic Year	Specialisation
CEO	Vishnu C V	vishnucvd@gmail.c	7034525975	2017-18	EEE
CTO	Ajit Surya	ajitsuryak@gmail.co	9400601371	2017-18	CSE
CFO	Renveer A R	ar.renveer@gmail.c	8075673115	2017-18	ME
COO	Abhiram M V	abhimkl6@gmail.co	9048399228	2017-18	CE
CMO	Akshay Narayanan	akshaynarayanan@	9995175780	2017-18	ECE
CCO					
CXO					

Fund Utilization			
	2015-16	2016-17	2017-18
Fund from KSUM	200000	100000	30000
Revenue Generated (if any)	21,000	110350	253000
Total amount Spent	42,650	221303	373080
Balance Amount	178,350	167,397	77,317

Expenditure Split-up 2015-16		
Head	Particulars	Amount
Marketing	Flex, Banners, Posters, Printing etc	2800
Guest Speakers	Trainers, speakers etc	18500
Event logistics	Resource person TA & Others	5400
Refreshment	Refreshment to students & visitors	12150
Competition Prizes	Prizes distributed to students	1800
Student registration fees	summits, workshops, contests etc	2000
Total		42650

Expenditure Split-up 2016-17		
Head	Particulars	Amount
Marketing	Flex, Banners, Posters, Certificate Printing etc	12450
Guest Speakers	Trainers, speakers, expert talks, workshop etc	70000
Event logistics	Resource person TA & Others	17250
Refreshment	Refreshment to students & visitors	30500
Competition Prizes	Prizes distributed to students	1000
Student registration fees	summits, workshops, contests etc	31353
Workshop Materials	Arduino, Raspberry Pi, Robotic Kits, Sensors etc	47500
Industrial Visits	IV to different industries	11250

Total

221303

Expenditure Split-up 2017-18		
Head	Particulars	Amount
Marketing		14330
Guest Speakers		78000
Event logistics		29050
Refreshment	Refreshment to students & visitors	57650
Competition Prizes	Prizes distributed to students	14550
Registration fees	FDPs,summits, workshops, contests etc	88250
Workshop Materials	sensors and lcs	3000
Industrial Visits	IV to different industries	8000
IoT Lab	Replacing and setting up new components	58500
Project Support	Support for innovative projects	21750
Total		373080

Labs Sanctioned and installed as part of IEDC/KSUM				
Labs	Whether Installed?	List of equipments available	Amount of fund received	Amount of Funds Spent
Mini FAB				
IOT				
Mini IOT	Yes	Arduino, Arduino mini, Arduino nano, Raspberri Pi 3 & 2, STMicroNucleo development board, WeMos Dev board, Robotics Kit, Accelerometer Sensors, WiFi Router, LCD Displays, Led Displays, GSM boards, Wifi & Bluetooth modules, sensor kit with 50 different sensors, Ultrasonic Sound & Gas Sensors, Arduino mega, Arduino lillypad,	Nil	KSUM Fund: 18,500/- College Fund: 40,000/-
Future Tech				

IDEA DAY : Three student groups applied, but got rejected				
Date				
Name of students applied				
Department/Year				
No. of Students granted				
No. of Students Selected				
Total no. of Students particip				
Status of the project				

Patents Sanctioned				
Name of the patent	Stage of patent	Brief about the patent	Whether availed patent	If Yes, In INR

Startups formed							
Name of the Startup	Type	Sector	Sub sector	Link to page/app	Names of founders	Team count	Grant received
Smartek technologies	Registered	Electronics R&D	Home electronics devices	info@smartektechnologies.com 9447770876 smartek@gmail.com	Sibin K P, Vijith C, Sreerag PV, Sarath V M	4	Nil
EBS techno Solutions	Registered	Solar	Solar bricks		Ebsin Eby	2	Nil
Byte Trix	Ideation & Project Development	IoT	Wifi Switches	8089551380	Arjun P Warrior	5	Nil
Jwala techno solutions	Ideation & Project Development	Web/Android	Web/Android	jwalacreations4u@gmail.com	Vishnu C V	5	Nil
Forus solutions	Ideation & Project Development	Electronics Product Development	Motion Based LED lights	saranyamohan1297@gmail.com			
Catalia Electric	Registered	Electrical Equipments		cataliaelectric@gmail.com	Mahesh Shankar	3	Nil
Renevatio	Ideation & Project Development	Agriculture Equipments	Agriculture equipments	9846109525	Sarang B Divakar	5	Nil
Catalia Labs	Ideation & Project Development	Electronics Product	Solar based lights, IP CCTVs & Medical	akshaynarayanan@ieee.org	Akshay Narayanan	5	Nil
Catalia Labs	Ideation & Project Development	Electronics Product Development	Solar based lights, IP CCTVs & Medical Equipments	akshaynarayanan@ieee.org	Akshay Narayanan	5	Nil

Awards or Recognitions Won by Students (District/State/National in I&E)			
Name of Student	Department/Year	Name of Award	For what?
Mr. Sarang B Divakar,	ME - 2014 Batch	Best Project - FABXL	FABXL
Mr. Jesvin Jayson C, M	(EEE - 2015 Batch)	best presentation prize	FABXL
	Best performing IEDC	KSUM	KSUM
	#Best_College_Community_in_Kerala	Daan Utsav	Fourth Ambit
Handicapped vehicle r	(ME 2015 Batch)	India Innovation Challenge 2017 final phase qualifiers	DST, Texas Instruments, IIM B
(Rajeev & Manushank	EEE 2014 batch	second prize- Mind Spark (A technical game)	RCET Techfest
Akhila & Aswathy (ECE-2015 Batch)	First prize-Women of Excellence (Technical	RCET Techfest
Akshay (ECE-2015 ba	2015 Batch	2nd Prize roborace	NITC Thathva 17
Akshay (ECE-2015 Ba	2015 Batch	3rd prize	Project competition @ Maker village
Jesvin, Vishnu C V	2016 Batch EEE	KSCSTE Project grant	KTU, KSCSTE INNOVATE'17

Events Conducted					
Date	Event	Category of event	Funds spent	No. of Students	Conducted by
2015-16					
06-Nov-15	Seminar & Workshop on open source technologies and Entrepreneurship	Technology	16550	50	IEDC & Dept. of CSE SIMAT
07-11-Dec-2015	Workshop on Science & Technology, Entrepreneurship Development & Basics of	Technology	2200	20	IEDC, ISTE & ME Dept.
02-Feb-16	Entrepreneurship awareness programme	Entrepreneurship	1900	60	IEDC SIMAT, DIC Palakkad & Taluk Industries Office,
2016-17					
01-Jul-16	EXPERT TALK on Embedded Systems	Technology	3000	50	IEDC SIMAT, EEE Dept. & IEEE
08-Jul-16	EXPERT TALK on Energy Efficiency & Energy Conservation	Technology	3000	50	IEDC SIMAT, EEE Dept. & IEEE
15-Jul-16	An Introduction to Pattern Recognition	Technology	3000	50	IEDC SIMAT, EEE Dept. & IEEE
25-29-Jul-2016	Internship Programme on Embedded Systems (Workshop on Arduino, Simulation Softwares and Basics of Electronics)	Technology	20000	40	IEDC SIMAT, EEE Dept.
30-Jul-16	Seminar on Industrial Automation Opportunities	Entrepreneurship	700	50	IEDC SIMAT, EEE Dept., Prolific Systems
5&6 Aug	Robotics Workshop	Technology	72000	80	IEEE SIMAT SB & IEDC & Srishti Robotics
08-Sep	EDC Orientation	Entrepreneurship	500	75	SIMAT IEDC
22-Sep	Women in Engineering Empowerment session	Leadership	250	40	SIMAT IEDC, IEEE
20-Sep	Enrollment Campaign	Entrepreneurship	500	180	SIMAT IEDC
23-Sep	Executive Meeting	Entrepreneurship		28	SIMAT IEDC
03-05 Oct	Workshop on Raspberry Pi	Technology	12000	20	SIMAT IEDC & EEE Dept.
21-Oct	Carrier Development Programme	Leadership	2000	50	SIMAT IEDC & IMS Learning Center, Tcr

05-Nov	Workshop on Machine Learning	Technology	3250	50	SIMAT IEDC & CSE Dept.
09-Nov	Workshop on Simulation	Technology	3500	30	SIMAT IEDC & EEE Dept.
17-Nov	EDC Awareness Seminar	Entrepreneurship	3500	60	DC SIMAT and DIC, Ottapalar
19-21 Dec	Day Entrepreneurship Awareness Worksho	Entrepreneurship	15000	60	IEDC SIMAT and KITCO
20-Dec	Industrial Visit at Kapur Industrial Development	Entrepreneurship	8000	30	IEDC SIMAT and DIC, Ottapalam.
27-Dec	Entrepreneurship Awareness	Entrepreneurship	250	60	IEDC SIMAT & NSS
05-Jan	Idea Pitching Competition	Entrepreneurship	1500	58	IEDC SIMAT
25-Jan	One Day Worksho in MEP	Technology	3000	60	IEDC SIMAT & Dronacharya Institute, TCR
04-Feb-17	KEAM'17 Android Application Launch	Entrepreneurship	2000	100	IEDC SIMAT & Bytetrrix techno solutions
05-Feb-17	KEAM'17 Android Application Campaign	Entrepreneurship	0	1000	IEDC SIMAT & Bytetrrix techno solutions
07-Feb-17	Student Coordinators	Entrepreneurship	0	28	IEDC SIMAT
13-18-Feb-2017	Enrollment campaign	Entrepreneurship	0	150	IEDC SIMAT
20-Feb-17	My First App - Android application launch	Entrepreneurship	0	100	IEDC SIMAT & Bytetrrix techno solutions
7-10-Mar-17	Android Application Development Workshop	Technology	4250	20	IEDC SIMAT & Bytetrrix techno solutions
13-17-Mar-17	Workshop on Simulation Software	Technology	4500	20	IEDC SIMAT & EEE Dept.
13-Mar-17	Project Expo	Technology	2000	30	IEDC SIMAT & EEE Dept.
17-Mar-17	Official launch of ktulive.org	Entrepreneurship	0	200	IEDC SIMAT & Jwala Techno Solutions
17-Mar-17	Design Engineering Exhibition	Technology	0	240	IEDC SIMAT, AS&H Dept & IEEE
18-Mar-17	Official launch of EduMate Android Application	Entrepreneurship	0	200	IEDC SIMAT & Jwala Techno Solutions
18-Mar-17	One day workshop on Atmega Microcontrollers	Technology	5750	20	IEDC SIMAT & Bytetrrix techno solutions

27-Mar-17	ME IEDC Cluster Inauguration & Academia Industry	Entrepreneurship	4500	60	IEDC SIMAT & ME IEDC Cluster
2017-18					
05-Apr-17	NPTEL Local Chapter Inauguration	Technology	0	100	IEDC SIMAT & NPTEL
15-May-17	NTD'17 Celebrations	Technology	4500	200	IEDC SIMAT & KSCSTE
10-May-17	Introduction to social Entrepreneurship	Technology	0	30	IEDC SIMAT & Hosted by KSUM
11-May-17	Industrial Visit to Kapoor Industrial Development Plot	Entrepreneurship	4500	30	IEDC SIMAT & DIC
12-May-17	Project Exhibition & Competition	Technology	7500	25	IEDC SIMAT & EEE Dept.
13-May-17	Idea Pitching Competition	Entrepreneurship	1500	30	IEDC SIMAT & EEE Dept.
15-May-17	Expert Talk on Innovation & Technology	Entrepreneurship	3000	60	IEDC SIMAT
15-May-17	Begin Robotics	Technology	16000	30	IEDC SIMAT
15-May-17	Future Tech Talk - How to build a hardware startup	Entrepreneurship	0	20	IEDC SIMAT & Hosted by KSUM
18-May-17	FDP on Entrepreneurship	Entrepreneurship	0	16	EDII/DST/NSTEDB/KSUM
25-May-17	Internship Programmes for KTU Students	Technology	2500	200	IEDC SIMAT, Placement Cell
20-Jun-17	MOOC course campaign	Technology	0	1000	IEDC SIMAT & NPTEL
01-Jun-17	Internship Programmes Dronacharya Institute	Technology	0	48	Dronacharya Institute in association with IEDC -
01-Jun-17	Web Programming	Technology	0	53	Dronacharya Institute in association with IEDC -
02-Jun-17	C, C++ Workshop	Technology	0	28	KELTRON in association with IEDC - SIMAT, Placement
22-Jun-17	National Digital Library chapter Inauguration	Technology	0	200	IEDC SIMAT, NDL
05-Jun-17	Skill Development Training	Technology	4500	50	IEDC SIMAT, SREECAP
10-22/Jul-2017	FDP on Start Ups & Entrepreneurship	Entrepreneurship	1.5L	16	EDII/DST/NSTEDB/KSUM

27/28-Jul-2017	2 Day Workshop on 3D Design	Technology	800	25	IEDC SIMAT & ME IEDC cluster
28-Jul-17	CIRD Centre for Innovation,	Technology	0	25	IEDC SIMAT & R&D Cell
10-11/Aug-17	Two Day FDP in PE & DSP Laboratory	Technology	18000	25	IEDC Simat, ECE Dept, Pace Labs, Kochi
11-Aug-17	National-Level Workshop by ISRO	Technology	250	50	IEDC SIMAT, EEE Dept. ISRO & IIRS
19-Aug-17	Inception'18	Entrepreneurship	2650	27	IEDC SIMAT
21-Aug-17	ISRO Outreach Programme	Technology	1000	29	IEDC SIMAT, EEE Dept. ISRO & IIRS
18-Aug-17	Swachathon'17	Technology	0	20	IEDC SIMAT, Govt of India
30-Aug-17	Expert Talk & Demo on solar powered MAV's	Technology	250	25	IEDC SIMAT, CIRD & R&D Cell
16-Sep-17	India Innovation Challenge Presentation	Technology	500	20	IEDC SIMAT, EEE Dept.
19-Sep-17	Daan Utsav Campaign	Entrepreneurship	0	100	IEDC SIMAT, EEE Dept., Fourth Ambit
25-Sep-17	ISRO 26th Outreach Programme Inauguration	Technology	0	50	IEDC SIMAT, EEE Dept. ISRO & IIRS
23-24 Sep 17	Aantharya'17	Leadership	18000	100	IEDC SIMAT, IEEE
01-Oct-17	IEDC Enrollment Campaign	Entrepreneurship	600	190	IEDC SIMAT
06-Oct-17	Friday Tech Talk Series	Entrepreneurship	0	20	IEDC SIMAT, CSE Dept.
06-Oct-17	MSME Industrial Motivation Campaign	Entrepreneurship	4850	60	IEDC SIMAT, MSME, Govt. of India
07-Oct-17	CNC Innovation Lab Inauguration	Technology	0	80	IEDC SIMAT, ME Dept.
13-Oct-17	webinar on " Atmospheric Aerosols	Technology	0	30	IEDC SIMAT, EEE Dept. ISRO & IIRS
21-Oct-17	Career Development Seminar	Entrepreneurship	1000	56	IEDC SIMAT, EEE Dept. & IMS Learning Center TCR
24-Oct-17	Speak For Kerala/India Debate Competition Phase 1 competition	Leadership	0	200	IEDC SIMAT, Mathrubhumi & Federal Bank
25-Oct-17	Indo Israel Innovation Challenge 2017	Technology	500	20	IEDC SIMAT, EEE Dept.

[illegible]

Programs/Workshops Attended by N.O.			
Name of the Nodal Officer/ Faculty	Programs/Workshops	Conducted by	Venue
Sebin Sunny P	KSUM Summit'17	KSUM	Girideepam
Sebin Sunny P	KTU IEDC Cluster 12 Meeting	KTU, KSUM	MES IEDC
Sebin Sunny P	Nodal Officer's Orientation Camp	KSUM	MIT Ernakulam.
Sebin Sunny P	FDP on Start Ups & Entrepreneurship	EDII/DST/NSTEDB/KSUM	RSET, Ernakulam
Sebin Sunny P/ Sarath K	Fab Asia Network	KSUM/FAN3/FAB	Mill Hall - Ernakulam
Sebin Sunny P	Startup India Short term course	Govt. of India/Startup India/Upgradation	Upgradation
Sebin Sunny P	IEDC Nodal Officer's Meet	KSUM	Kerala Technological
Sebin Sunny P	FDP on Entrepreneurship	EDII/DST/NSTEDB/KSUM	SIMAT, Palakkad
Sebin Sunny P	Nodal Officer's Meet	KSUM	ULC Cyber Park
Sebin Sunny P/Vishnu Vellekat	Sankethaprevesham17	KTU,AICTE,KSUM	Girideepam, TVM
Sebin Sunny P	Palakkad IEDC meet (PEM'17)	KSUM	Ahalya, Palakkad
Sebin Sunny P/ Rejaneesh R	Google App Excellence Summit'17	Google	Sheraton Grand, Kalamassery
Sebin Sunny P/ Sarath K	IEDC SUMMIT'17	KSUM	International Convention
Sebin Sunny P	YES Summit 2017	KSIDC	Le Meridian, Kochi
Sebin Sunny P	Start Up Expo Judge	Tech fest	Royal College of Arts
Sebin Sunny P	PMKVY Meet up by AICTE	Skill Development: AICTE & Govt	SCMS, Kalamassery
Sebin Sunny P	Japan B2B Meet @ Holiday Inn Cochin	Indo Japan Chamber of Commerce	at Holiday Inn, Kochi

External Programs/Workshops Attended by Students				
Name of the Student	Department/Year	Programs/Workshops	Conducted by	Venue
Sarath MK, Nihil M, Mahesh Shankar, Nikhil Godan	ECE,EEE - 2016	Technopreneur, the techno managerial symposium	IEDC Govt. Model Engg	Govt. Model Engg College
Mr. Vishnu C V & Mr. Sivaprasad	EEE - 2016	Startup Meetup	IEDC Tiroor Poly	Tirur Polytechnic
2. Nikhil Godan (ECE-2014B) 3. Sarang D (ME-2014B)	EEE/ME/CSE/EC/CE 2016	IEDC Summit 2016	KSUM	Girideepam, Trivandrum
Vishnu C V	EEE 2016	Design Workshop	KSUM	Girideepam, Trivandrum
Ajay Scaria	EEE 2016	Seminar on Social Entrepreneurship	KSUM	Girideepam, Trivandrum
Jishnu Prakash	EEE 2016	Project assistance at Peringode s	IEDC SIMAT	Peringode Govt. HSS
Mr. Arjun P Warrior & Mr. Vineeth	EEE 2016	Silicon Valley Start in College Program	Sv.Co	Sv.Co
12 students from several Dept.	EEE/ME/CSE/EC/CE 2016	Entreprenia'16	NSS college of Engineering, Palakkad.	NSS college of Engineering, Palakkad.
20 students from several departm	EEE/ME/CSE/EC/CE 2016	Industrial Visit to Ashtangam	Ashtangam Ayurvedic co	Ashtangam
Akshay Narayanan	ECE-2016	Thathva NIT	NIT C	NIT C
Deepak	CSE-2016	KITES	LBSCE	LBSCE
Sarath M Warrior	ECE-2016	Maker's Workshop	KSUM	Federal Institute of science & Technology, Angamaly
Akhila EM, Priyanka T, Anagha G	2016	Workshop in Ethical	District Industries Center	Top in Town, Palakkad
(Sreehari TV, Sreejith PD, Sruthi Sreekumar, Swetha K, Sudheep	2016	Workshop in 3D Printing	District Industries Center	Top in Town, Palakkad
2 project teams	2016	Smart Hackathon	Govt. of India	
Aparna T, Aiswarya Pradeep, Apoorva Menon of Civil Engg.	2017	FabXL Workshop	KSUM	Vidya Academy of Science & Technology.
1. Prosthetic Hand (Haritha Balakrishnan.M, Jishnu	2017	Project Competition	Jyothi College of Engineering	Jyothi College of Engineering

Mr. Sarang B Divakar, Mr. Vishnu K R & Mr. Vyshnav Viswan (2015 Batch)	2017	2017	ILB Techshop	KSUM	Christ Knowledge City
Mr. Jesvin Jayson C, Mr. Nithin T & Mr. Renveer (EEE - 2015 Batch)	2017	2017	fabXL Workshop	KSUM	Sahrdaya Engineering College
40 students from different branch	2017		Start Up India Programme	Govt. of India	
Mr. Vishnu Vellekat (IEDC Dept. Coordinator) & 5	2017		Sankethapravesom Induction Programme	Govt. of Kerala, AICTE,	Girideepam, TVM
11 students represented our college	2017		IEDC SUMMIT'17	KSUM	Adlux International Convention Centre,
SIMAT), Jesvin Jayson C (EEE, 2015 Batch), Nithin T (EEE,	2017		YES Summit 2017	KSIDC	Le Meridian, Kochi.
Ajit Surya K (CSE, 2015 Batch) and	2017		Tinker Hub Leadership Camp 2017	Tinker Hub	CUSAT
(Sanjay Sasikumar, Arun Rajan, Sanandu G Potty,	2017		Start Up India League	Startup India	ACE College of Engineering, Trivandrum
(Rajeev K, Shibin A, Kannan S, Aravind - 2014 EEE	2017		Two day workshop on Microsoft	IEDC	Royal College, Akikkavu
(Rajeev & Manushankar, EEE 2015)	2017		Mind spark	IEDC	Royal College, Akikkavu
Akhila & Aswathy (ECE-2015 Batch)	2017		Women of Excellence (Technical)	IEDC	Royal College, Akikkavu
(Vishnu & Sivaprasad, EEE 2015)	2017		start up expo	IEDC	Royal College, Akikkavu
Akshay (ECE-2015 batch) & Deepak	2017		Thatva @ NITC	fest	NITC
Akshay (ECE-2015 Batch), Deepak K V , Renuka and Athira U	2017		Project competition @ Maker Village	KSUM	Maker Village
Mr. Nidhin M (2015 Batch ME Dept)	2017		Student Coordinator's Meet	KSUM	JCET, Lakkidi

Monthly Reports

2016



Sreepathy Institute of Management and Technology
Innovation & Entrepreneurship Cell
Activities in the month of August 2016



Sl.No.	Date	Activity	Description
1	5&6 Aug	Robotics Workshop	An innovative workshop on ROBOTICS was jointly conducted by IEEE SIMAT SB & IEDC on 5th and 6th of August 2016
2	13-Aug	Startup Meetup	Mr. Vishnu C V & Mr. Sivaprasad K of S3 EEE attended a Precursor Workshop for IEDC Student Coordinators.. to groom the Team@IEDC Nodal Centres for "IEDC SUMMIT 2016"
3	23-Aug	IEDC Summit 2016	Mr. Sebin Sunny P (IEDC Coordinator) & 10 students represented SIMAT in the IEDC Summit 2016.
4	23-Aug	Design Workshop	Mr. Vishnu C V participated in the Design Workshop conducted as a part of IEDC summit 2016
5	23-Aug	Seminar on Social Entrepreneurship	Mr. Ajay Scaria attended a one day seminar on Social Entrepreneurship conducted as a part of IEDC summit 2016.
6	31-Aug	Project assistance at Peringode school	Student volunteers were sent to Peringode school to help students to make projects to present before Education Minister.
7	31-Aug	Silicon Valley Start in College Program	Mr. Arjun P Warrior & Mr. Vineeth P of S7 EEE registered as team leads for the start in college program of Silicon Valley



Sreepathy Institute of Management and Technology
Innovation & Entrepreneurship Cell
Activities in the month of September 2016



Sl.No.	Date	Activity	Description
1	08-Sep	EDC Orientation	An orientation on Entrepreneurship Development was conducted for 30 students by Mr. Sebin Sunny P, IEDC nodal officer.
2	22-Sep	Women in Engineering Empowerment session	A session on the topic Women in Engineering was conducted by Mrs. Smitha G, IEEE SB Coordinator.
3	20-Sep	Enrollment Campaign	Enrollment campaign started and a brief introduction of IEDC club was given to all classes by IEDC nodal officer and department coordinators.
4	23-Sep	Executive Meeting	Nodal officer, Department coordinators(AS&H,ECE) & student representatives discussed on various activities.
5	24&25-Sep	Entreprenia'16	IEDC SIMAT sponsored 12 students from various departments for ENTREPRENIA'16(National level start up workshop) conducted at NSS college of Engineering, Palakkad.
6	27-Sep	Student Startup	Two student startups were initiated by students of S7 CE & S7 EEE
7	29-Sep	Industrial Visit to Ashtangam	Mr. Sebin Sunny P (IEDC Nodal Officer) & 14 students from different students visited Ashtangam Ayurveda hospital as a part of "Coffee chat with an Entrepreneur" Programme.



Sreepathy Institute of Management and Technology
Innovation & Entrepreneurship Cell
Activities in the month of October 2016



Sl.No.	Date	Activity	Description
1	03-05 Oct	Workshop on Raspberry Pi	An introductory workshop on Raspberry pi was conducted on 3rd & 4th October 2016. 25 students from different departments attended the programme. Mr. Sarath K (AP-ECE), Mr. Sebin Sunny P (AP-EEE) & Mr. Shibu K (Lab Instructor-EEE) conducted the programme. Students were given a basic idea about Embedded system and they were familiarized with the basic operations of Raspberry pi. Mr. Nithin Narayanan(S1 ME B) presented his project on Raspberry pi during the event.
2	05-Oct	KTU IEDC Cluster 12 Meeting	Mr. Sebin Sunny P (IEDC Nodal Officer) attended the cluster level meeting of IEDC nodal officers conducted at MES Kuttipuram. Several startup level activities and KTU IEDC activities were discussed during the meeting.
3	21-Oct	Carrier Development Programme	An orientation to GATE and seminar on several carrier opportunities was conducted on 21st October 2016. Mr. Jomy P L (MD-IMS Learning center) & Mr. Roy Rocky (Operations Head - Dronacharya techno Solutions) handled the sessions. 60 students attended the event.Mr. Sebin Sunny P (AP-EEE), Mr. Saneesh P S (AP-CSE) & Mr. Jayanthan K S (AP-CSE) were present for the event.
4	21-Oct	Participation in tech fest	Arduino kits were provided to Akshay Narayanan (ECE - 2015 Batch) for participating in different techfest events.(Thathva of NIT & KITES of LBSCE)
5	22-Oct	Maker's Workshop	Mr. Sarath M Warriar attended the launch of products developed by the attendees of I2P MAKERS WORKSHOP on 22nd October 2016 at Federal Institute of science & Technology (FISAT), Angamaly.
6	26-Oct	Project Assistance to High School students of Peringode school	Students of Peringode Govt. HS were trained by IEDC members in Arduino & gesture controlled robot for their upcoming science fest.
7	26-Oct	Student Start Ups	Three student groups (Byetrix, Jwala Creations & Build next) initialized their pioneering works on the startup.
8	30-31 Oct	Nodal Officer's Orientation Camp	Mr. Sebin Sunny P (IEDC Nodal Officer) attended the nodal officer's orientation camp conducted at MIT Ernakulam.



Sreepathy Institute of Management and Technology
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Activities in the month of November 2016



Sl.No.	Date	Activity	Description
1	5-Nov	Workshop on Machine Learning	An introductory workshop on Machine Learning was conducted on 5th November 2016. 50 students from different departments attended the programme. Mr. Manu Madhavan (Research Scholar, NITC) handled the session. Students were given a basic idea about machine learning. Mr. Saneesh P S (AP-CSE) Coordinated the event.
2	9-Nov	Workshop on Simulation Software	A one day workshop on simulation software was conducted on 9th November 2016. 37 students from S3 EEE attended the programme. Mr. Sebin Sunny P (AP-EEE) & Mr. Shibu K (Lab Instructor-EEE) handled the session on simulation softwares and Mr. Sarath K (AP-ECE) handled the session on PCB designing.
3	17-Nov	IEDC Awareness Seminar	A one day awareness seminar on Entrepreneurship was conducted on 17th November 2016. The seminar was jointly organized by IEDC SIMAT and DIC, Ottapalam. Mr. P A Basheer (ADIO, Ottapalam) & Mr. Vinod K J (IEO, Pattambi) handled the sessions. Dr A K Vasudevan inaugurated the event. Prof. Thankachen P V (HoD-EEE), Mr. Vijayan K (Secretary-Sreepathy Trust) & Mr. Sebin Sunny P (Nodal officer-IEDC SIMAT) felicitated the event. 60 students attended the event. Students of S3 EEE coordinated the event.
4	22-Nov	fabXI Workshop Nomination	10 students from different departments were nominated for fabXI workshop series organized by KSUM & Fab labs.
5	22-Nov	IEDC Office	A separate office for IEDC was sanctioned by Principal & Management
6	22-Nov	Authorized Training Center by Kerala State Rutronix	Initiated steps to start an authorized training center of Rutronix (Supported by Govt. of Kerala) in SIMAT.
7	22-Nov	Advisory Board Meeting	A meeting with advisory board members was conducted on 22nd November 2016. Mr. P B Unni (Joint secretary-Sreepathy Trust) offered all possible help for IEDC under Confederation of Indian Industries (CII).
8	29-Nov	FDP in Entrepreneurship	Principal & Management nominated Mr. Sebin Sunny P (Nodal officer-IEDC SIMAT) for the 2 week FDP in Entrepreneurship jointly organized by NIESBUD & DST.



Sreepathy Institute of Management and Technology
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Activities in the month of December 2016



Sl.No.	Date	Activity	Description
1	05-17 Dec	FDP in Entrepreneurship Development @ Rajagiri Engg. College	Mr. Sebin Sunny P (IEDC Nodal Officer) attended a two week FDP in Entrepreneurship jointly organized by EDII (Entrepreneurship Development Institute of India, Ahmedabad), DST (Department of Science & Technology) & NSTEDB (National Science Technology and Entrepreneurship Development Board) at Rjagiri Engineering College, Kakkanad.
2	19-21 Dec	3 Day Workshop	A 3 day awareness workshop was jointly organized by IEDC & Association of ME from 19th to 21st Dec 2016. The programme was conducted by KITCO and was sponsored by NSTEDB, DST, EDII (Govt. of India) & DIC (Govt. of Kerala). The programme was coordinated by Mr. Sebin Sunny P (IEDC Nodal Officer) & Mr. Kuriyachan (Sr. Officer, KITCO). Mr. Anand, Mr. Dileep Kumar (Sr. Officers, KITCO), Mr. Byju (IEO, Shornur), Mr. Madhavan (Financial Literacy Center, Malappuram) handled different sessions. Mr. Saneesh P (AP-CSE), Mr. Vishnu V (AP-ME), Mrs. Nayana K (AP-CE), Mrs. Santhi R (AP-ECE), Mrs. Sarmishta (AP-AS&H) were present for the workshop. 75 students attended the workshop.
3	20-Dec	Industrial Visit at Kapur Industrial Development Plot.	An industrial visit was conducted on 20th Dec 2016 to Kapur industrial development plot. Dianaplast (Injection moulding unit), Prince dye making (textile dye makers), Aron international (Copper, Zinc manufacturers) & Plasmake (Powerlooms) were visited as part of the industrial visit. Mr. Sebin Sunny P (IEDC Nodal Officer), Mr. Shibu K (Lab Instructor, EEE), Mrs. Sreebala P (AP-ECE), Mrs. Nayana K (AP-CE), Mr. Saneesh P. S (AP-CSE), Mr. Vishnu V (AP-ME) and Mr. Rajesh accompanied the students. 60 students participated in the industrial visit.
4	22-Dec	Meeting with IEO	A meeting with officials of DIC (Govt. of Kerala) was conducted on 22nd December 2016.
5	27-Dec	Entrepreneurship Awareness	A talk on Entrepreneurship awareness was conducted on 27th Dec 2016 at Pattambi Govt U P School by Mr. Sebin Sunny P (IEDC Nodal Officer) as a part of NSS 7 day special camp. 50 students attended the session.
6	31-Dec	Nodal officers meeting	A meeting with IEDC student coordinators of VAST and Mrs. Swapna (VAST-nodal officer) was conducted on 31st Dec 2016.

Monthly Reports

2017



Sreepathy Institute of Management and Technology
Innovation & Entrepreneurship Cell
Activities in the month of January 2017



Sl.No.	Date	Activity	Description
1	05-Jan	Idea Pitching Competition	An idea pitching competition was conducted for students of S8 on 5th January 2017. 58 student groups participated in the event. 2 projects from each group were selected from each department and submitted for further valuations.
2	10-Jan	EDII Visit	Mr. Sebin Sunny P (IEDC Nodal Officer) visited EDII office at Kerala institute for Local Administration, Mulankunnathukavu. An official meeting was conducted with Mr. Sivan Ambattu (Sr. Faculty of EDII). It is decided to conduct a 14 day FDP in Entrepreneurship at SIMAT.
3	10-Jan	Workshop in Ethical Hacking	5 students from 2013 Batch EEE, (Akhila EM, Priyanka T, Anagha G, Anjali K Kumar, Anjali T C) attended a one day workshop on Ethical Hacking sponsored by District Industries Center on 10th January 2017 at Palakkad
4	11-Jan	Workshop in 3D Printing	5 students from 2013 Batch EEE (Sreehari TV, Sreejith PD, Sruthi Sreekumar, Swetha K, Sudheep A S) attended a one day workshop on 3D Printing sponsored by District Industries Center on 11th January 2017 at Palakkad
5	13-Jan	Staff Core Committee Meeting	Staff coordinator's meeting was conducted on 13th January 2017. Several activities and enrollment issues were discussed during the meeting.
6	15-Jan	Project proposal to DST	10 projects from different departments were selected and proposals were send to Department of Science & Technology for funding upto 2 Lacs/project
7	15-Jan	Proposal for NewGen IEDC	A proposal for setting up a NewGen IEDC in SIMAT was send to EDII. Ahmedabad.
8	17-18/01/2017	Fab Asia Network (International Conference)	Mr. Sebin Sunny P (IEDC Nodal Officer) & Mr. Sarath K (AP-ECE) attended an International conference, Fab Asia Network, at Mill Hall - Ernakulam.
9	25-Jan	One Day Worksho in MEP	A one day workshop in association with EEE department and Dronacharya Solutions was conducted on 25th January 2017. 60 Students from EEE & ME Departments (2013 & 2014 Batch) attended the workshop.
10	27-Jan	Startup India Short term course	Mr. Sebin Sunny P (IEDC Nodal Officer) successfully completed the short term course conducted by #StartupIndia (Govt. of India) offered to IEDC nodal officers and volunteers.
11	30-Jan	Smart Hackathon	2 teams (each from 2013 & 2014 EE Batch) participated in the smart hackathon program conducted by Govt. of India.



Sreepathy Institute of Management and Technology
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Activities in the month of February 2017



Sl.No.	Date	Activity	Description
1	01-Feb-17	IEDC Google Play Store Account	Mr. Sebin Sunny P created a google play store account for SIMAT-IEDC
2	04-Feb-17	KEAM'17 Android Application Launch	K.P.M Pushpaja, Trithala Block Panchayath President, launched the first android application created by students of SIMAT on 4th February 2017. Bytatrix Technologies (Arjun P Warrior, Ajay Scaria, Vineeth P, Nikhil & Mahesh Sankar of EEE 2013 Batch), Mr. Saeesh P (AP-CSE) & Mr. Sebin Sunny P created the android application.
3	06-10-Feb-2017	KEAM'17 Android Application Campaign	A campaign to popularize KEAM'17 application was conducted by students of EEE during the second week of february 2017.
4	07-Feb-17	Student Coordinators meeting	A meeting of KTU student coordinators was held on 7th February 2017. It is decided to divide iedc members in to different clusters under different departments.
5	13-18-Feb-2017	Enrollment campaign	As per students request the enrollment portal was opened for S2 & S4 students for aweek. 80 new students enrolled to iedc making the total count to 300.
6	20-Feb-17	My First App - Android application launch	An android application for kids was made and published by bytatrix technologies (booted under SIMAT IEDC) on 20th February 2017.
7	20-Feb-17	Best Performing IEDC's	SIMAT selected as a best performing IEDC from 150 Engg. & 100 Poly technic colleges by KSUM during the activity review conducted for the year of 2016. As a token of appreciation an amount of 1L was awrdd for the future activities of SIMAT-IEDC.
8	24-25-Feb-2017	FabXL Workshop @ Vidya Academy of Science & Technology	Aparna T, Aiswarya Pradeep, Apoorva Menon of Civil Engg. Dpt (2014 Batch) & Deepthi of ECE Dept. (2014 Batch) attended FabXL workshop held at Vidya Academy of Science & Technology.
9	24-25-Feb-2018	Industrial Visit to Neriamangalam Hydro Electric Power Station	Mr. Sebin Sunny P (IEDC Nodal Officer) accompanied IEDC members of EEE (2015 Batch) to Neriamangalam Hydro electric Power Station. Also the viability of wind farms at Ramakkalmedu was studied.
10	27-Feb-17	Cluster formation	IEDC members under different departments were grouped in to 5 different clusters. CEO, COO, CFO, CMO & CTO for all clusters were selected.



Sreepathy Institute of Management and Technology
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Activities in the month of March 2017



Sl.No.	Date	Activity	Description
1	2-4-Mar-17	FDP in Python & Image Processing	Mr. Sebin Sunny P (IEDC Nodal Officer) attended a 3 day FDP in Python & Image Processing at Vidya Academy of Science & Technology
2	7-10-Mar-17	Android Application Development Workshop	A one week workshop on Android Application Development using App Inventor was conducted from 7th to 10th March 2017. Prof. Thankachen P V inaugurated the event on 7th March 2017. Mr. Sebin Sunny P (Nodal Officer, IEDC), Smitha G (AP-EEE), Santhi R (AP-ECE), Sarath K (AP-ECE) & Sreeyenar (TA-ECE) felicitated the event. 30 students attended the workshop. The workshop was jointly organized by IEDC, IEEE, Bytatrix techno solutions & Association of EEE.
3	8-Mar-17	Project Competition @ Jyothi College of Engineering	Following projects of 2013 Batch participated in the project competition final conducted at Jyothi Engineering College and won consolation prize, 1. Prosthetic Hand (Haritha Balakrishnan.M, Jishnu Neelakandan.C S, Karthik.P, Shini.K, Sooraj Kumar.V P - EEE) 2. Wheelchair Mounted Robotic Arm (Vishnu.K, Vivek E M, Sanal P Sunny, Silpa K P, Syamprakash T - ECE) 3. Smart Floor Cleaning Robot with Waste Segregation (Chitra O.M, Induja K, Kiran Rajan, Pradyoth K, Visakh Puliyannoor - ECE)
4	11-12-Mar-17	fabXL Workshop @ Christ Knowledge City	Mr. Sarang B Divakar, Mr. Vishnu K R & Mr. Vyshnav Viswan (ME - 2014 Batch) attended a two day fabXL workshop organized by Christ knowledge city, KSUM & fablabs. They won funding of 40,000/- for a project proposed in the event.
5	13-17-Mar-17	Workshop on Simulation Software	A one week workshop on Proteus simulation software was conducted from 13th to 17th March 2017. The workshop was jointly organized by IEDC, IEEE & Association of ECE. Mrs. Santhi R (AP - ECE) inaugurated the workshop. Mr. Sarath K handled sessions on proteus libraries, simulation and project development. Mr. Sebin Sunny P (Nodal officer-IEDC) took session on simulating arduino and microcontrollers using proteus. 15 students attended the workshop.
6	13-Mar-17	Project Expo	A project exhibition & competition was organized by IEDC on 13th March 2017.

7	17-Mar-17	Official launch of ktulive.org	A site, www.ktulive.org, made by students of EEE (Vishnu C V, Sandesh C, Nithin T - EEE 2015 Batch) was launched by Dr. A K Vasudevan in an event organized by IEDC - SIMAT. Mr. Sebin Sunny P (Nodal Officer - IEDC) & Mr. Prem Kumar (SIMAT Administrator) felicitated the event.
8	17-Mar-17	Design Engineering Exhibition	Conducted a one day exhibition on evolution of design of various equipments on 17th March 2017. All students of S2 (2016 Batch) participated in the event.
9	18-Mar-17	Official launch of EduMate Android Application	An android application, EduMate, for KTU students was made by students of EEE (Vishnu C V, Sandesh C, Nithin T - EEE 2015 Batch) was launched by Dr. A K Vasudevan in an event organized by PTMA on 18th March 2017.
10	18-Mar-17	One day workshop on Atmega Microcontrollers	A one day workshop in Atmel microcontrollers was conducted on 18th March 2017. Mr. Sarath Shankar (AP-ME) inaugurated the workshop and Mr. Sebin Sunny P (Nodal Officer - IEDC) felicitated the event. The workshop was jointly organized by IEDC, IEEE, Bytatrix Techno Solutions & Association of EEE. 30 students participated in the workshop.
11	24-25-Mar-17	fabXL Workshop @ Sahridaya Engineering College	Mr. Jesvin Jayson C, Mr. Nithin T & Mr. Renveer (EEE - 2015 Batch) attended a two day fabXL workshop organized by Sahridaya Engineering College, KSUM & fablabs. They won the best presentation prize in the event.
12	24-25-Mar-17	IEDC Nodal Officer's Meet	Mr. Sebin Sunny P attended the Nodal Officer's meet conducted on 24th & 25th March 2017 at Kerala Technology Innovation Zone, Kalamassery. Sri. M. Sivasankar IAS (IT secretary, Govt of Kerala) inaugurated the event. Dr. Jayasankar Prasad (CEO, KSUM), Anoop P Ambika (Group of Technology Companies), Prof. Abha Rishi (Associate Professor, BITS), Prof. Anil Gupta (National Innovation Foundation), Sri. Vijay Paul (PCS partner), Sri. Kuncheria P Issac (VC, KTU) & Sri. V A Shamsudeen (DTE) handled different sessions.
13	25-Mar-17	Best performing IEDC	Mr. Sebin Sunny P (Nodal Officer-IEDC) received certificate for best performing IEDC in the year 2016 from Sri. Kuncheria P Issac (Vice Chancellor, A P J Abdul Kalam Technological University).
14	27-Mar-17	ME Cluster Inauguration & Academia Industry Interaction Session	Mr. Damodar Avanoor (CEO - Lohashilpi) Inaugurated ME-IEDC Cluster on 27th March 2017. He shared his experience with students and handled a session on Entrepreneurship
15	30-Mar-17	Proposal to KSCSTE	A proposal for project funding with Dr. Madhavan as Principal Investigator, Mr. Sebin Sunny P (Nodal Officer - IEDC) & Sugesh M S (AP-ECE) as co investigators was sent to KSCSTE.



Sreepathy Institute of Management and Technology
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Activities in the month of April 2017



Sl.No.	Date	Activity	Description
1	5-Apr-17	NPTEL Local Chapter for facilitating MOOC courses	SIMAT granted NPTEL local chapter by IIT-M and Mr. Sebin Sunny P (Nodal Officer, IEDC) appointed as SPOC (Single Point of Contact). Local chapter activities aim to promote Massive Online Open Courses among students and faculties.
2	10-Apr-17	Start Up India Programme	40 students from different branches registered for Start Up India Learning Programme offered by Govt. of India.
3	10-Apr-17	Proposal to conduct National Technology Day Celebrations 2017	A proposal to conduct National Technology Day Celebrations 2017 was sent to Kerala State Council for Science, Technology & Environment by IEDC SIMAT.
4	11-Apr-17	Project Expo	A project exhibition and competition was organized by IEDC - SIMAT for final year students of EEE.
5	13-Apr-17	Meeting with senior faculties of B K College, Amalagiri, Kottayam.	Mr Sebin Sunny P (Nodal Officer, IEDC) attended a meeting with senior faculties (Dr. Mini Thomas & Ms. Deepthi K, Associate Professors) of B Kcollege, Amalagiri , Kottayam and they have offered financial assistance for agricultural based project done by students.



Sreepathy Institute of Management and Technology
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Activities in the month of May 2017



Sl.No.	Date	Activity	Description
1	02-May-17	NTD'17 Celebrations assistance granted by KSCSTE	An amount of 10,000/- was granted by KSCSTE (Kerala State Council for Science, Technology & Environment) to conduct National Technology Day Celebrations 2017 on 2nd May 2017 (C-08/NTD/2017/KSCSTE)
2	10-May-17	Introduction to social Entrepreneurship	Conducted a live telecast on the session "An introduction to Social Entrepreneurship" hosted by Kerala Start Up Mission on 10th May 2017. The session was handled by Mr.Ullas Marar. 20 students from different departments attended the event.
3	11-May-17	Industrial Visit to Kapoor Industrial Development Plot	An industrial visit to Kapoor Industrial estate was conducted on 11th May 2017 as a part of National Technology Day Celebrations. 60 students from several engineering departments attended the visit. Aron International (Copper Manufacturing), Plasmake (Injection Molding), Dianaplast(Power Looms) & Prince dye making were visited.
4	12-May-17	Project Exhibition & Competition	As a part of National Technology Day Celebrations 2017, a project exhibition and competition was conducted for engineering students. 12 project teams participated in the competition. 3D Printer (Sreejith P. D, Sruthy, Swetha K, Sreehari & Sudheep-2013 EEE Batch) won the first prize and Smart Audit Andro Board (Arjun P Warrior & Mahesh – 2013 EEE Batch) won the second prize.
5	13-May-17	Idea Pitching Competition	As a part of NTD'17 celebrations, Idea pitching competition was conducted on 13th May 2017. 5 teams participated in the event. Mr. Vshnu C V & Mr. Nithin T (2014 EEE Batch) won the first prize for presenting their idea, EduMate, an app companion for KTU students.
6	15-May-17	NTD'17 Inauguration	The formal inauguration of NTD'17 was conducted on 15th May 2017. The inaugural event started with a silent prayer followed by the welcome address delivered by Mr. Sebin Sunny P (IEDC Nodal Officer). NTD'17 Celebrations were inaugurated by Sri. Mohanan (Nagalassery Block Panchayath Member, Vavanoor). Dr. George C T (HoD, AS&H Dept. SIMAT), Prof. Thankachen P V (HoD, EEE Dept. SIMAT) & Mr. Prem Kumar (Administrator, SIMAT) felicitated the event. Mr. Seeyenan E.K (IEDC Asst. Coordinator) delivered the vote of thanks. 30 students from different schools near SIMAT and 50 students from various departments of SIMAT attended the inaugural event.

7	15-May-17	Expert Talk on Innovation & Technology	As a part of NTD'17 an expert talk on Innovation and technology was organized for engineering students. Dr. E D Dias (Associate Professor, St. Aloysius College, Thrissur) handled the session.
8	15-May-17	Begin Robotics	Begin Robotics, an awareness workshop on robotics, was organized for school students on 15th May 2017 as a part of NTD'17. The workshop started with an introduction to the history of robotics and students were given simulation exercises on the basic movements of rover bots. The simulation exercises were followed by hands on session in which the students were familiarized with arduino development boards and sensor interfacing. The workshop was handled by Mr. Sarath K (S Cube Technologies)
9	15-May-17	Future Tech Talk - How to build a hardware startup	A live telecast on the session "How to build a hardware startup" hosted by KSUM was conducted in the seminar hall at 3.00PM. The session was handled by Amaldev - An IIT graduate, Entrepreneur, Researcher, Amateur Shutterbug and still a student madly in love with electronics hardware development. 10 students from different departments attended the event
10	18-May-17	FDP on Entrepreneurship	Mr. Sebin Sunny P, Mr. Sarath K, Mr. Sarath Shankar K S, & Mr. Ben Austin were nominated by the college authorities to attend a 2 week National level FDP at PSG technology,3Coimbatore.
11	20-May-17	ICFOSS Volunteers	Varsha T (ECE 2016 Batch), Ranveer A R (ME 2015 Batch) & Jesvin Jayson C (EEE 2015 Batch) were nominated by IEDC SIMAT to volunteer popularization of Free & Open Source Softwares.
12	21-May-17	KSUM IOT Community	Rakesh K P (ME 2015 Batch), Ranveer A R (ME 2015 Batch), Jesvin Jayson C (EEE 2015 Batch), Vishnu C V (EEE 2015 Batch) & Sandesh C (EEE 2015 Batch) were nominated by IEDC SIMAT nodal officer to the KSUM IOT community.
13	25-30/05/2017	UpGrad Career Week	30 students registered for an online programme to give directions to make a move to careers of tomorrow - Data Analytics, Digital Marketing, Product Management & Entrepreneurship by UpGrad

14	25-May-17	<p>Internship Programmes for KTU Students</p> <p>IEDC SIMAT in association with SIMAT Placement cell arranged different internship programmes for KTU students of all departments.</p> <ol style="list-style-type: none"> 1. Robotics & Embedded Systems 2. Civil Internship Programme 3. Internship @ Lohashilpi, Perinthalmanna 4. Internship @ Hykon India Pvt. Limited 5. Internship @ Steel Industrial Forgings Limited, Athani 6. Internship @ Micro systems, Kongad 7. Internship @ Star Pipes & Fittings Pvt. Limited, Thrissur. 8. Embedded Systems Using PIC, Java Programming, PHP Development, PLC SCADA, HVAC/MEP by Dronacharya institute. 9. Monsoon Internship Program by ICT Academy 10. Internship @ Ociuz Technologies 11. Internship @ Jamsons Enterprises Pvt. Limited, Chetiyangadi, Thrissur. 12. IOT, JAVA, Cloud computing, Embedded system, Industrial automation, Animation, Auto CAD/Revit, Networking, IOT by KELTRON 13. Industrial training by CODEE 14. Internship @ KSEB 15. Internship @ TELK 16. Internship @ HMT 17. Internship @ FACT
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Sreepathy Institute of Management and Technology
Innovation & Entrepreneurship Cell
Activities in the month of June 2017



Sl.No.	Date	Activity	Description
1	1-Jun-17	Granted National Level FDP	In a meeting held with Mr. Sivan Ambatu (Project Coordinator & Senior Faculty, EDII) a two week National Level FDP in Start Ups & Entrepreneurship was granted to SIMAT IEDC with Mr. Sebin Sunny P (Nodal Officer-IEDC SIMAT) as the FDP coordinator. The FDP is scheduled from 10th to 22nd July 2017. The programme will be organized by EDII (Entrepreneurship Development Institute of India) and supported by DST (Department of Science & Technology)
2	21-Jun-17	UNAIP Programme Proposal	SIMAT IEDC submitted a proposal to UN to enroll for the United Nations Academic Impact Programme with Mr. Sebin Sunny P (Nodal Officer, IEDC - SIMAT), Mr. Sarath Shankar (AP-ME) & Mr. Sarath K (AP-ECE) as focal points.
3	23-Jun-17	National Apprentice Training Scheme	SIMAT submitted a proposal to Govt. of India to be a part of National Apprenticeship Scheme with Mr. Janardhanan M K (P&T Officer) & Mr. Sebin Sunny P (Nodal Officer, SIMAT IEDC) as programme incharge.
4	20-Jun-17	MOOC course campaign	A campaign to promote MOOC (Massive Open Online Courses) courses by NPTEL (National Portal for Enhanced Learning) among students was initiated by SIMAT IEDC.
5	1-Jun-17	Internship Programmes @ Dronacharya Institute	A one week internship programme including 4 site visits and introduction to design software's was organized by Dronacharya Institute in association with IEDC - SIMAT, Placement Cell & Dept. of Civil Engineering for 48 S5 CE students (2015 Batch).
6	1-Jun-17	Internship Programmes @ Dronacharya Institute	A one week internship programme on Web Programming was organized by Dronacharya Institute in association with IEDC - SIMAT, Placement Cell & Dept. of Computer Science & Engineering for 53 S5 CSE students (2015 Batch).
7	1-Jun-17	Internship Programmes @ KELTRON, Thrissur	A one week internship programme on C, C++ and other programming softwares was organized by KELTRON in association with IEDC - SIMAT, Placement Cell & Dept. of Electronics & Communication Engineering for 28 S3 ECE students (2016 Batch).

8	1-Jun-17	Internship Programmes @ KSEB, Thrissur	An industrial training for 30 Electrical & Electronics Engineering students (2015 Batch) was arranged at KSEB, Thrissur, by Placement cell and IEDC SIMAT
9	1-Jun-17	Internship Programmes @ Steel Industrials Forgings Limited, Thrissur	An industrial training for 12 Mechanical Engineering students (2015 Batch) was arranged at Steel Industrials Forgings Limited, Thrissur, by Placement cell and IEDC SIMAT
10	1-Jun-17	Internship Programmes @ Lokashilpi Rubber Products, Perintalmanna	An industrial training for 12 Mechanical Engineering students (2015 Batch) was arranged at Lokashilpi Rubber Products, Perintalmanna, by Placement cell and IEDC SIMAT
11	1-Jun-17	Internship Programmes @ KSE Limited; Irinjalakkuda	An industrial training for 12 Mechanical Engineering students (2015 Batch) was arranged at KSE Limited, Irinjalakkuda, by Placement cell and IEDC SIMAT
12	1-Jun-17	Internship Programmes @ ITI Limited, Kanjikode	An industrial training for 3 CSE students (2015 Batch) was arranged at ITI Limited, Kanjikode, by Placement cell and IEDC SIMAT
13	1-Jun-17	Internship Programmes @ Taj Industries, Kulappully	An industrial training for 1 ME student (2015 Batch) was arranged at Taj Industries, Kullapully, by Placement cell and IEDC SIMAT
14	22-Jun-17	National Digital Library	SIMAT IEDC enrolled as a National Digital Library member. The programme is supported by MHRD.
15	13-16/June-17	XPLORE'18 Campaign	A campaign on XPLORE'18, a skill development programme offered to plus two students scheduled from 6th August 2017 to 30th January 2018 organized by IEDC SIMAT in association with Placement Cell, was conducted in 50 Higher Secondary Schools of Palakkad, Malappuram & Thrissur Districts.
16	5-Jun-17	Skill Development Programmes	13 Skill Development Programmes to enhance learning among Plus two students was initiated by IEDC SIMAT. 1. Robotics Workshop 2. 3D Modelling software's 3. 3D Printing Workshop 4. Workshop in Designing Software's 5. Workshop on Raspberry Pi

			<div>6. Arduino Workshop</div> <div>7. Basic electronic circuits</div> <div>8. Web Programming</div> <div>9. Android Application Development</div> <div>10. Familiarization of sensors & measuring equipments</div> <div>11. Internet Of Things (IOT)</div> <div>12. Learn to Code by Raspberry Pi</div> <div>13. Soft Skill Training</div>
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Sreepathy Institute of Management and Technology
Innovation & Entrepreneurship Cell
Activities in the month of July 2017



Sl.No.	Date	Activity	Description
1	01-Jul-17	Nodal Officer's Meet	Mr. Sebin Sunny P (IEDC Nodal Officer) attended nodal officer's meet of Malabar region at ULC Cyber Park on 1st July 2017. The meeting was chaired by Dr. Saji Gopinath (CEO, KSUM) and 4 fellows of KSUM. After the meeting a visit was conducted to IIM Calicut.
2	04-Jul-17	EDII Inspection	An inspection on facilities of IEDC was conducted by senior officials (Mr. Sivan Ambattu) of EDII on 4th July 2017.
3	05-Jul-17	IOT Lab	Space for IOT lab was sanctioned and lab was set up in the measurements lab of EEE Department.
4	10-22/Jul-2017	FDP on Start Ups & Entrepreneurship	A two week FDP was conducted on Start Ups & Entrepreneurship from 10th to 22nd July 2017. The programme was inaugurated by Shri. Narayanadas (Block Panchayath Vice President) on 10th July 2017. Many eminent faculties visited SIMAT as a part of the FDP. Nine external participants and Seven Internal Participants attended the FDP. FDP was concluded on 22nd July 2017.
5	13-Jul-17	Talk on Innovation & IEDC's	A talk on the topic Innovation & IEDC's was delivered by Mr. Unnikrishnan (IEDC-Nodal Officer RSET) on 13th July 2017.
6	13-Jul-17	Ashtangam visit	An experience sharing session by a successful entrepreneur was conducted at Ashtangam Ayurvedic Medical College on 13th July 2017. Mr.Unni, Secretary - Ashtangam, handled the session.
7	14-Jul-17	Talk on Entrepreneurship	A talk on Entrepreneurship and current opportunities was delivered by Mr. Suresh Babu (CEO, Microelectronic Systems Pvt Ltd) on 14th July 2017.
8	18-Jul-17	How to set Up TBI	A session on Technology Business Incubators and the need of setting one in college campus was delivered by Ms. Preethi (Manager, TBI) on 18th July 2017.
9	18-Jul-17	Talk on Start Up Ecosystem	A talk on current start up eco system and schemes offered by KSUM to promote entrepreneurship was delivered by Mr. Akhi (Fellow-KSUM) on 18th July 2017.
10	19-Jul-17	IPR & Patenting	A session on Intellectual Property Rights and Patenting procedure was handled by Adv. Febin James on 19th July 2017.
11	19-Jul-17	DIC Schemes	A session on DIC and their support schemes to new ventures was handled by Mr. Byju Krishnan (IEO, Shornur) on 19th July 2017.

12	20-Jul-17	Industrial Visit	16 faculties visited following industries on 20th July 2017: 1. Steel & Industrial Forgings Ltd. 2. The Metal Industries Ltd. 3. Lakshmi Implements 4. Mayil Fittings 5. Premiere Engineering
13	21-Jul-17	Session on Marketing	A session on marketing techniques was handled by Dr. Mathew C D (Senior faculty, EDII) on 21st July 2017.
14	22-Jul-17	Panel Discussion	Panel Discussion by Vishal B Kadam (Fellow, KSUM), Shibin (EDII), Akhil (Fellow, KSUM), V S Sukumaran (EDII) & Sebin Sunny (SIMAT IEDC) was conducted on 22nd July 2017.
15	27/28-Jul-2017	Workshop on 3D Design	A two day workshop in 3D design was organized by ME IEDC cluster on 27th & 28th July 2017. 20 students participated in the workshop. Prof. Thankachen P V inaugurated the workshop & Mr. Praveen Kumar (ME HoD) delivered the felicitation talk.
16	27-Jul-17	Sankethapravesom Induction Programme	The Induction Programme of the 1st year engineering students of the 2017-18 batch in the various affiliated Engineering Colleges in the State of Kerala was conducted on 27th July 2017 at 9.30 A.M in Tagore Theatre, Vazhuthacaud, Trivandrum. Mr. Vishnu Vellekat (IEDC Dept. Coordinator) & 5 students attended the programme. The webcast of the same was arranged in the college seminar hall.
17	28-Jul-17	CIRD Centre for Innovation, Research & Development	In association with R&D Cell, SIMAT IEDC initiated a Centre for Innovation, Research & Development group. An exhibition hall was granted by the management for CIRD to exhibit innovative projects submitted by students.



Sreepathy Institute of Management and Technology
Innovation & Entrepreneurship Cell
Activities in the month of August 2017



Sl.No.	Date	Activity	Description
1	1-Aug-17	Google App Excellence Summit'17	Mr. Sebin Sunny P (IEDC Nodal Officer) and Mr. Rejaneesh R (AP-EEE) attended Google App Excellence Summit 2017 at Sheraton Grand Hotel, Bengaluru. The programme was a National event in which more than 1500 Developers and academicians met and shared their experience. Theme of the event was Apps for Rural India.
2	2-Aug-17	Palakkad IEDC meet (PEM'17)	Mr. Sebin Sunny P (IEDC Nodal Officer) and 4 student representatives - Vishnu C V (EEE 2015 Batch), Ajith Surya (CSE 2015 Batch), Nidhin M (ME 2015 Batch) & Abhiram M V (CE, 2015 Batch), attended the meet up. Dr. Saji Gopinath (CEO, KSUM) addressed the students. Ajith Surya (CSE-2014 Batch) presented the activities of SIMAT IEDC.
3	10-11/Aug-17	Two Day FDP in PE & DSP Laboratory	A two day workshop on "A Laboratory course in "Power Electronics and Digital Signal Processing"" was jointly organized by Electronics and Communication engineering Department, Sreepathy Institute of Management And Technology, Vavanoor in association with IEDC-KSUM and PACE Labs, Kochi for the Faculties and Research scholars on 10th and 11th August 2017 as a part of Faculty Development Programme on 10th & 11th August 2017.
4	11-Aug-17	National-Level Workshop by ISRO	A National Level Workshop on "Popularisation of Remote Sensing-based Maps and Geospatial Information" jointly organized by Indian Society of Remote Sensing (ISRS) and Indian Space Research Organisation (ISRO) was conducted through online mode on August 11, 2017 (14:00-17:30 hrs.). 31 students attended the programme. Mr. Saneesh P (AP-CSE) & Mr. Janardhanan M K (P&T Officer) attended the workshop & Mr. Sebin Sunny P (AP-EEE) coordinated the workshop.
5	19-Aug-17	Inception'18	A One Day Orientation Workshop, Inception'18, was conducted for IEDC student coordinators under KTU. The programme was inaugurated by Mr. Sarath K (AP-ECE) after the Independence day celebrations. The morning session was handled by Mr. Akhil Madhav, KSUM Fellow. In the morning session a general awareness on IEDC and events conducted under Kerala Start Up Mission was given. The afternoon session was handled by Mr. Sebin Sunny P (IEDC Nodal Officer).
6	16-Aug-17	IEDC SUMMIT'17	IEDC Summit'17 witnessed the gathering of student representatives and IEDC nodal officers (3000+) from all IEDC's across the state. The programme was conducted on 19th August 2017 at Adlux International Convention Centre, Angamaly. Mr. Sebin Sunny P (IEDC Nodal Officer), Sarath K (AP-ECE) and 11 students represented our college for the summit.

7	21-Aug-17	ISRO Outreach Programme	The 23rd ISRO/IIRS Outreach programme commenced on 21st August 2017. The programme was inaugurated by Dr. A. Senthil Kumar (Director, IIRS, Dehradun). The inauguration was followed by a session for DLP coordinators which explained the course contents and A view software. The course on Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System started at 4.20 PM. The first class was handled by Dr. A. Senthil Kumar in which an overview of the course and history of ISRO was explained. SIMAT IEDC in association with Dept. of EEE hosted the event through video conferencing in the AEE Lab with the help of A View Software.
8	18-Aug-17	Swachathon'17	Mr. Sebin Sunny P (IEDC Nodal Officer) coordinated Swach Hackathon, an Idea pitching competition, among students on 18th August 2017. The programme was initially launched by Govt. of India.
9	24-Aug-17	FDP @ MES	A two day Faculty Development Programme on “Digital Fabrication Techniques” was held at MES College of Engineering, Kuttipuram, on 24th and 25th August 2017. The programme was organized by organized by FAB Lab and Innovation and Entrepreneurship Development Centre, MES. SIMAT Mr. Narayanan K P (Lab Instructor, Dept. of ECE) represented SIMAT IEDC in the Fab Lab Workshop.
10	30-Aug-17	Expert Talk & Demo on solar powered MAV's	An expert talk & demo on solar powered Micro Air Vehicles was conducted on 30th August 2017. The programme was jointly organized by IEDC & CIRD (Centre for Innovation Research & Development). Dr. Madhavan K T (Head, R&D Cell), Mr. Dileepan V M (AP-EEE) and Mr. Sebin Sunny P (Nodal Officer-IEDC) presented the talk and demo.
11	30-Aug-17	Project Assistance	A financial assistance of 10,000/- was sanctioned for EEE students of 2014 Batch (Nishad Ul Haq, Mohammed Shanab, Jibin Prakash & Swathy M Nair) for installing a solar powered street lighting system in the college campus. Mr. Renjith P C (AP-EEE) & Mr. Sebin Sunny P (IEDC Nodal Officer) coordinated the project.



Sreepathy Institute of Management and Technology
Innovation & Entrepreneurship Cell
Activities in the month of September 2017



Sl.No.	Date	Activity	Description
1	12-Sep-17	YES Summit 2017	Mr. Sebin Sunny P (Nodal Officer, IEDC SIMAT), Jesvin Jayson C (EEE, 2015 Batch), Nithin T (EEE, 2015 Batch), Rahul R (ME, 2015 Batch) & Rakesh K P (ME, 2015 Batch) represented SIMAT in the YES 3D Summit held on 12th September 2017 at Le Meridian, Kochi. The event was held under the aegis of Industries department at Le Meridian Convention centre Cochin. The summit was organized by KSIDC and was inaugurated by Hon'ble Chief Minister, Sri Pinaryi Vijayan, in presence of Hon'ble Minister for Industries, Sri A C Moideen, and other senior Govt. officials.
2	15-Sep-17	ISRO/IIRS Online Exam	An online exam was conducted for the participants of 24th ISRO/IIRS outreach programme on 15th September 2017 at 3.00PM.
3	16-Sep-17	Tinker Hub Leadership Camp 2017	TinkerHub a.k.a College Makerspace is an Open immersive place where people get together to Learn, Build and Collaborate to produce creative endeavors, enhance their skills and produce dynamic shared experiences. Ajit Surya K (CSE, 2015 Batch) and Rakesh KP (ME, 2015 Batch) represented SIMAT at the event.
4	16-Sep-17	India Innovation Challenge Presentation	A presentation and registration training on India Innovation Challenge 2017 was conducted on 16th September 2017. India Innovation Challenge was organized by Texas Instruments in collaboration with Department of Science and Technology (DST) , NSRCEL, Indian Institute of Management, Bangalore (IIMB) and supported by Govt. of India. The contest is open for all Indian engineering students pursuing undergraduate, postgraduate & Doctoral degrees with Indian engineering colleges. The presentation and training was organized by IEDC in association with Dept. of EEE. Mr. Sebin Sunny P (Nodal Officer, IEDC SIMAT) presented the details of the competition, basic eligibility criteria, contest structure and how to fill the application form.
5	16-Sep-17	ISRO Outreach Programme Coordinatorship	Mr. Sebin Sunny P (IEDC Nodal Officer) received coordinatorship certificate from ISRO/IIRS for coordinating 24th Outreach Programme and 3 participants, Sarath K (AP-ECE), Santhi R (AP-ECE) and Bhavesh P (EEE 2013 Batch) successfully completed the programme and recieved certificates from ISRO/IIRS

6	17-Sep-17	ISRO Outreach Programme	The 23rd ISRO/IIRS Outreach programme commenced on 21st August 2017. The programme was inaugurated by Dr. A. Senthil Kumar (Director, IIRS, Dehradun). The inauguration was followed by a session for DLP coordinators which explained the course contents and A view software. The course on Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System started at 4.20 PM. The first class was handled by Dr. A. Senthil Kumar in which an overview of the course and history of ISRO was explained. SIMAT IEDC in association with Dept. of EEE hosted the event through video conferencing in the AEE Lab with the help of A View Software.
7	19-Sep-17	Daan Utsav Campaign	A presentation and registration training on Daan Utsav Challenge 2017 was conducted on 19th September 2017 by Mr. Sebin Sunny P (IEDC Nodal Officer). The competition was organized by Fourth Ambit as a part of Joy of Giving challenge. (Oct 2nd week)
8	25-Sep-17	India Innovation Challenge'17	India Innovation Challenge was organized by Texas Instruments in collaboration with Department of Science and Technology (DST) , NSRCEL, Indian Institute of Management, Bangalore (IIMB) and supported by Govt. of India. Seven student groups from various departments participated the event and registered for the competition. Following are the projects registered for the competition. 1. Smart Pantry (Group Lead: Shibin A, EEE 2014 Batch) 2. Portable Incinerators (Group Lead: Mohammed Shanab V V, EEE 2014 Batch) 3. Desktop Organic Waste Decomposer (Group Lead: Vishnu S Menon, EEE 2014 Batch) 4. Manhole Savior (Group Lead: Jesvin Jayson C, EEE 2015 Batch) 5. Unauthorized Vehicle Entry Detection Device (Group Lead: Prathap S S, CSE 2015 Batch) 6. Smart Wheel Chair (Group Lead: Raneesh Babu, ME 2014 Batch) 7. Dust free duster (Group Lead: Renveer A R, ME 2015 Batch)
9	25-Sep-17	26th Outreach Programme Inauguration	Inauguration of ISRO/IIRS 26th Outreach programme on GPS & GNSS was conducted on 25th September 2017 in the seminar hall at 3.30 PM. An expert talk on GPS was also conducted.
10	30-Sep-17	#Best_College_Community_in_Kerala	SIMAT IEDC participated in the best college community in kerala campaign conducted by Fourth Ambit and secured second place in the competition with 434 votes.
11	23-24 Sep 17	Aantharya'17	A 2 day women empowerment workshop was jointly organized by IEEE SB & IEDC on 23rd & 24th September 2017.



Sreepathy Institute of Management and Technology
Innovation & Entrepreneurship Cell
Activities in the month of October 2017



Sl.No.	Date	Activity	Description
1	1-Oct-17	IEDC Enrollment Campaign	Innovation & Entrepreneurship Development Center (IEDC) membership enrollment campaign was conducted during last month. 135 students from first year & second year students newly enrolled to IEDC making the total strength to 350 students.
2	6-Oct-17	Friday Tech Talk Series	The IEDC CSE Cluster of Sreepathy Institute of Management and Technology conducted the first edition of Friday TECH TALK Series on 6th of October 2017 during the afternoon session. The session was held at Programming Lab and was handled by Joel Philip (CSE, 2016 Batch). Mr. Jayanthan K S Coordinated the event.
3	6-Oct-17	MSME Industrial Motivation Campaign	A one day Industrial motivation seminar was jointly organized by Innovation & Entrepreneurship Development Center (IEDC-SIMAT) in association with Ministry of Micro, Small & Medium Enterprises (MSME) on 29th September 2017. The inauguration of the one day session was conducted at 9.30 AM in the seminar hall. The programme started with a silent prayer. The welcome address was delivered by Prof. Thankachen P V (HoD-EEE, SIMAT). The presidential address was given by Sri. P V Velayudhan (Deputy Director, MSME Development Institute, Thrissur). Dr. George C T (Principal In charge, SIMAT) inaugurated the event. Sri. Pratheesh (IEO, Pattambi), Mr. Sebin Sunny P (IEDC, Nodal Officer SIMAT) & Mr. Janardhanan M K (Placement & Training Officer, SIMAT) felicitated the event. Mr. Meena (Asst. Director, MSME DI, Thrissur) delivered the vote of thanks.
4	7-Oct-17	CNC Innovation Lab Inauguration	The inauguration ceremony for the new CNC innovation lab was conducted on 30th September 2017. The official event was conducted in the seminar hall. The inaugural function started with a silent prayer. It was followed by the welcome address by Dr. George C T (Principal in charge, SIMAT). The presidential address was given by Mr. K H Parameswaran (Secretary, Sreepathy trust.). The inaugural address was delivered by Sri. N Santhakumar (Joint Director, Regional Directorate of Technical Education). Felicitation was given by Sri. K B M Namboothirippad (Chairman, Academic Council, SIMAT) and Mr. SebinSunny (Nodal Officer , IEDC). This was followed by the official inauguration by cutting the ribbon by Sri. N. Santhakumar. Mr. Praveen Kumar. K (HOD, ME) gave the vote of thanks.

5	8-Oct-17	India Innovation Challenge 2017 qualifiers	3 IEDC member groups got selected for India Innovation Challenge 2017 conducted by DST, Texas Instruments, IIM B & Govt of India. 1. Smart Pantry (EEE 2014 Batch) 2. Manhole Savior (EEE 2015 Batch) 3. Handicapped vehicle reverse gear (ME 2015 Batch)
6	8-Oct-17	Daan Utsav National Level Competition	3 IEDC groups got selected for social entrepreneurship project competition. 1. Harmful gas Monitoring (EEE-2015 Batch) 2. White whale game (CSE-2015 Batch) 3. Chilla - a socially committed workforce (CSE - 2017 Batch)
7	7-Oct-17	Start Up India League	“The Startup League” was organized by Million minds, under the patronage of Startup India (A Govt. of India initiative), at ACE College of Engineering, Trivandrum on 7th October, 2017. The program was attended by a group of 5 IEDC members of SIMAT (Sanjay Sasikumar, Arun Rajan, Sanandu G Potty, Vishnu MD, Jithinprakash – CSE 2015 Batch students).
8	13-Oct-17	Webinar	A webinar on " Atmospheric Aerosols by Dr. Yogesh Kanth was hosted on October 13, 2017 in AEE lab as a part of ISRO outreach programme.
9	21-Oct-17	Career Development Seminar	A seminar on Career development and opportunities was jointly organized by IEDC & Dept. of EEE for final year students on 21st October 2017. The session was inaugurated by Prof. Thankachen P V at 1.00 PM in the seminar hall. The session on career development and opportunities was handled by Mr. Jomy P L (IMS Learning Solutions, Thrissur).
10	24-Oct-17	Speak For Kerala/India Debate Competition	Mathrubhumi along with Federal Bank organized the block level selection of inter-collegiate debate competition called “Speak for India – Kerala Edition 2017” at Sreepathy Institute of Management And Technology in the college auditorium on 24th October 2017. The event was inaugurated by Mr. P R Sasi (Sr. Manager, Federal Bank, Pattambi). Prof. Thankachen P V (HoD, EEE) delivered the presidential address. Around 60 participants attended the competition out of which 25 students were external participants. SIMAT IEDC coordinated the programme.

11	25-Oct-17	Indo Israel Innovation Challenge 2017	<p>A presentation and registration training on Indo Israel Innovation Challenge 2017 was conducted on 25th October 2017. Indo Israel Innovation Challenge was organized by Start Up India supported by Govt. of India. The contest is open for all engineering graduates and students pursuing undergraduate, postgraduate & Doctoral degrees with Indian engineering colleges. The presentation and training was organized by IEDC in association with Dept. of EEE. Mr. Sebin Sunny P (Nodal Officer, IEDC SIMAT) & Mr. Sarath K (Ap-ECE) presented the details of the competition, basic eligibility criteria, contest structure and how to fill the application form.</p> <p>Student teams participated:</p> <ol style="list-style-type: none"> 1. Precision Farming using Remote Sensing & Hyper Spectral Imaging (Group Lead: Prathap S S, CSE 2015 Batch) 2. Low cost Portable Drinking Water Generator (Group Lead: Pravin O V, EEE 2015 Batch) 3. Modern farming techniques using IoT (CSE 2017 Batch) 4. Remote health Monitoring system (Group Lead: Shanil E P, EEE 2015 Batch) 5. GPS Tracker for Alzheimer's Patients (Group Lead: Akshay Narayanan, ECE 2015 Batch) 6. Rain Water Harvesting using Perforated Concrete (Group Lead: Sreelakshmi, CE 2014 Batch)
12	26-28 Oct2017	FOSS Weekend	<p>A workshop & tech series was conducted from 26th to 28th October 2017. The programme was jointly organized by IEDC, Dept. of CSE & ICFOSS.</p> <p>Day 1: FOSS Weekend Inauguration, Awareness Session & GNU/Linux customization & installation training.</p> <p>Day 2: Technical talks on Machine learning, artificial intelligence & augmented reality tools in FOSS</p> <p>Day 3: Hands on training in LaTeX</p>
13	27-Oct-17	Tech fest @ Royal	<p>A team of 5 iedc members participated in two day workshop on Microsoft Azure. (Rajeev K, Shibin A, Kannan S, Aravind - 2014 EEE batch & Vismay raj - 2016 CSE Batch)</p> <p>A team of two iedc members (Rajeev & Manushankar, EEE 2014 batch) secured 2nd position in Mind Spark (A technical game)</p> <p>Akhila & Aswathy (ECE-2015 Batch) secured first place in Women of Excellence (Technical Game)</p> <p>Jwala Techno solutions (Vishnu & Sivaprasad, EEE 2015 Batch) participated in the start up expo competition.</p>

14	27-Oct-17	Thatva @ NITC	Mr. Akshay (ECE-2015 batch) & Deepak (CSE-2015 Batch) participated in the robo race and secured second place.
15	27-Oct-17	Project competition @ Maker village	Akshay (ECE-2015 Batch), Deepak K V , Renuka and Athira Unnikrishnan. (CSE-2015 Batch) got 3 rd prize in Project competition organised by IEEE Kochi subsection in connection with Maker village held on 27 th october 2017 at Maker Village venue.
16	27-Oct-17	IEDC Outreach programme	Supported 10 govt./aided schools to develop projects for their science fest.



Sreepathy Institute of Management and Technology
Innovation & Entrepreneurship Cell
Activities in the month of November 2017



Sl.No.	Date	Activity	Description
1	4-Nov-17	One day workshop on Machine Learning Using Python	SIMAT IEDC (Innovation & Entrepreneurship Development Center) conducted a one day workshop on Machine Learning using Python in association with ICFOSS (International Center for Free & Open Source Software) and Dept. of CSE on 4th November 2017. Mr. Manu Madhavan, Research scholar, NIT Calicut, handled the workshop.
2	7-Nov-17	IEDC Outreach Programme	Mr. Sebin Sunny P (Nodal Officer, IEDC), Mr. Prem Kumar (Administrator, SIMAT), Mr. Hari C N (Lab Instructor, ME Dept.) & Mr. Suhas K N (Lab Instructor, EEE Dept.) visited the district level science fest competition conducted at LSN HSS, Ottapalam, as a part of IEDC/SREECAP (Sreepathy Careere Awareness Programme). 11 student teams from different govt./aided schools were supported by SIMAT and 6 teams were qualified for district level competition.
3	16-Nov-17	One day workshop on e-Sim	SIMAT IEDC (Innovation & Entrepreneurship Development Center) conducted a one day workshop on e-Sim in association with ICFOSS (International Center for Free & Open Source Software) and Dept. of EEE on 16th November 2017. e-Sim (previously known as Oscad / FreeEDA) is an open source EDA tool for circuit design, simulation, analysis and PCB design. The workshop was inaugurated by Prof. Thankachen P V on 16th November 2017. Mr. Sebin Sunny P (Assistant Professor, Dept. of EEE), Ms. Sangeetha K (Asst. Prof, Dept. of EEE) & Mr. Suhas K N (Lab Instructor, Dept. of EEE) handled the workshop.
4	21-Nov-17	Entrepreneurship Development Club Registration	District Industries Centre, Palakkad, officially registered ED club of SIMAT under Directorate of Industries & Commerce, Govt. of Kerala.
5	18-Nov-17	PMKVY Meeting @ SCMS	Mr. Sebin Sunny P (Nodal Officer, IEDC), Mr. Abilash P M (Asst. Professor, Dept. of ME) & Mr. Abhilash P P (Asst. Professor, Dept. of CE) attended the meeting on PMKVY courses conducted at SCMS Cochin, School of Busines, Kalamassery. Representatives of Skill development sector & PMKVY - AICTE were present for the meeting.
6	30-Nov-17	Japan B2B Meet @ Holiday Inn Cochin	Indo Japan Chamber of Commerce Kerala (INJACK) organized Japan B2B meet at Holiday Inn on 30th November 2017. Around 20 Japanese companies and well known Japanese Universities participated in the B2B meet. Japanese ambassador Kenji Hiramatsu inaugurated the function at 9:30 am. Mr. P B Unni (Jt. Secretary, Sreepathy Trust) & Mr. Sebin Sunny P (IEDC Nodal Officer, SIMAT) represented SIMAT in the meet.

7	30-Nov-17	India Innovation Challenge	Project named " Reverse gear for handicapped scooter" (Rakesh & Renveer, ME, 2015 Batch) got shortlisted for second phase of India Innovation challenge jointly organized by Texas Instruments, DST, IIM B & Govt. of India.
8	30-Nov-17	KSCSTE Project grant	A funding of Rs. 10,000/- was sanctioned for the project named " Man hole gas detection and alert system" (Jesvin Jaysoin & Vishnu C V, EEE 2015 Batch). The funding is provided by Kerala State Council for Science Technology & Environment (KSCSTE)
9	30-Nov-17	Catalia Labs	A wireless IP cam was installed & tested by Catalia Labs (Student Start Up) in the main portico of SIMAT.
10	30-Nov-17	Indo Israel Innovation Challenge	6 student groups registered for Indo Israel Innovation challenge jointly organized by Start Up India & Govt. of India.
11	30-Nov-17	Student Coordinator's Meet	Mr. Nidhin M (2015 Batch ME Dept.) represented SIMAT in the student coordinator's meet held at JCET (Lakkidi) on 26th November 2017.



Sreepathy Institute of Management and Technology
Innovation & Entrepreneurship Cell
Activities in the month of December 2017



Sl.No.	Date	Activity	Description
1	22-Dec-17	Talk on Entrepreneurship Development	Mr. Sebin Sunny P (Nodal Officer, IEDC SIMAT) handled a one day session on Entrepreneurship Development at Govt. L P School, North Kothachira. 65 students participated in the event
2		Proposal to conduct 1 day worksho in Python	A proposal to conduct a one day workshop on Introduction to Scientific Computing in Python was submitted to FOSSEE team of IIT Bombay
3		Proposal to conduct 3 day worksho in Python	A proposal to conduct a one day workshop on Python was submitted to FOSSEE team of IIT Bombay
4		Proposal to conduct 3 day workshop in Power electronics	A proposal to conduct a 3 day workshop on Power Electronics and Drives was submitted to KSCSTE.

Consolidated Reports

2016

Report of IEDC (SIMAT-IEDC) - 2016

Name of the college : **Sreepathy Institute of Management And Technology (SIMAT)**

Name of the nodal officer : **Sebin Sunny P**

Mail Id :- Nodal Officer's and Principal: **iedc@simat.ac.in/principal@simat.ac.in**

Name of the students coordinator with Mobile number and Mail Id: **Nikhil Godan**
7025501473/nikhilgodan1996@gmail.com

Activities report

Prepare a detailed report including the following points;

- Innovation & Entrepreneurship related programmes **conducted by IEDC. Give brief details of the same: Attached**
- Meet the entrepreneur: 4 programmes (Report Attached)
- Fab lab visits: **Nil**
- **Give the photos of your IEDC & Student's project**
- Workshops/ I3 camps: **Attached**
- Does the college have setup IOT lab. **If yes give a brief report of the same including the photos**
- Number of programmes /Workshop attended by Students: **6**
- Number of Programmes / workshop attended by Nodal Officer: **3**
- Attended Nodal Officers Orientation session(Yes/No). **Yes. Orientation camp at Muthoot institute of technology.**

SL No	Item	Nos
1	Number of Competitions/ Hackathons/Exhibition participated	6
2	Awards won by the students.	0
3	The amount generated by winning cash prize.	0
4	No of exhibitions conducted	2
5	No of Startups in the IEDC with Details	5
6	No of Patents Generated in the IEDC	0
7	No of Commercial Projects	4

Details of Achievements & Recognition

- Number of Competitions/ Hackathons/Exhibition participated.:

Technopreneur, the techno managerial symposium conducted by IEDC Govt. Model Engg College

IEDC Summit 2016 Precursor Event at Tirur Polytechnic college

IEDC Summit'16 at Girideepam Conventional center

Entreprenia'16 at NSS College of Engineering

Project Assistance to High School students of Peringode school for Shastramela

Panchajanya'16 , tech fest conducted by SIMAT

- Awards won by the students: **Nil**
- The amount generated by winning cash prize: **Nil**
- No of exhibitions conducted.

Project competition & Exhibition conducted as a part of Panchajanya'16, tech fest, at SIMAT (August 2016)

Exhibition on Design Evolution of Projects (February 2016)

- No of exhibitions participated: **3**
- No of Startups in the IEDC with Details:

1. Smartek technologies : Electronic control systems integrator specialized in process control systems. (info@smartektechnologies.com)

2. EBS techno Solutions: solar based solutions for energy needs

3. Byte Trix : R&D product design (Arjun P Warrior, 8089551380)

4. Jwala techno solutions: Web based platform for design solutions (Vishnu.cv, jwalacreations4u@gmail.com)

5. Forus solutions:Cost effective design solutions (Saranya Mohan, saranyamohan1297@gmail.com)

- No of Patents Generated in the IEDC: **Nil**
- No of Commercial Projects:

Automated irrigation project for Ashtangam Ayurvedic Medical College

Automated solar light for SIMAT

Data management system Alhind group of companies

Real time temperature monitoring system for Alhind group of companies

Details of expenditure.

- Total Amount allocated for IEDC.(2 lakhs from KSUM and the contribution from the College Management).

IEDC Sanctioned amount: 2,00,000/-

Total Amount spent for the activities conducted in 2016: 1,99,603/-

Amount spent from IEDC (KSUM): 1,02,103/-

Amount spent by college: 97,500/-

Amount left in IEDC (KSUM) for activities: 97,897/-

- The total amount spent with details . **Utilization form attached**
 - **Balance amount available for the activities: 97,897/-**
- The amount generated by the IEDC: **Nil**
- The amount allocated for the students and the amount used by the nodal officer. **(Mention the purpose of each separately.)**

1. TA & Registration fees for Tecnopreneur: 2,000/-
2. TA for IEDC Summit precursor Event: 500/-
3. TA & Lodging for IEDC Summit: 13,250/-
4. TA provided for industrial visits: 1000/-
5. TA & Registration fees for Enreprenia'16: 3,000/-
6. TA for Makers workshop at FISAT: 500/-
7. Registration fees for Robotics workshop: 10,000/-

Total: 30,250/-

- 1.TA & Registration fees for Nodal officers orientation: 1,500/-
2. TA for cluster meeting: 500/-
- 3.Registration fees for FDP on Entrepreneurship at Rajagiri: 5000/-

Total: 7,000/-

- Amount Spent for giving the Honorarium. (Mention the purpose)

- 1. Seminar & Workshop on open source technologies and Entrepreneurship Development: 2,000/-**
- 2. Workshop on Science & Technology, Entrepreneurship Development & Basics: 12,000/-**
- 3. Entrepreneurship awareness programme organized by IEDC SIMAT, DIC Palakkad & Taluk Industries Office, Ottapalam: 900/-**
- 4. EXPERT TALK on Embedded Systems: 2000/-**
- 5. EXPERT TALK on Energy Efficiency & Energy Conservation: 2000/-**

6. An Introduction to Pattern Recognition: 2000/-

7. Workshop on Embedded systems: 1000/-

8. Seminar on Industrial Automation: 700/-

9. Workshop on Robotics: 10,000/-

10. Worksop on Raspberry Pi: 500/-

11. Career Development Programme: 500/-

12. Workshop on Machine Learning: 2000/-

13. Workshop on Simulation Software's: 1000/-

Note: - Submit the report with a covering letter duly signed by the Principal of the college



SIMAT/IEDC/16-17/01

02/02/2016

Entrepreneurship Awareness Programme

An entrepreneurship awareness programme was organized by ED Club of Sreepathy in association with District Industries Center Palakkad and Taluk Industries Office Ottapalam on 02/02/2016 for ED Club student members. The programme was planned and arranged by Mr. Sebiny Sunny (Asst. Prof. EEE Department). The programme commenced with a welcome speech by Mr. R. Jayadevan, (Asst. Prof. ECE Department), Staff Coordinator Department, ED Club Sreepathy. It was followed by a short session handled by Smt. Lino George, Asst. District Industries Officer, in order to create awareness among the students regarding the current scope of innovative idea development and entrepreneurship. Also the speaker explained about various sources of financial assistance that may be available to upcoming entrepreneurs and startups. The second session was handled by Mr. Mubarak, MD. Spark Techno Media Pvt. Ltd. It was really a motivating talk by a successful entrepreneur, who inspired students with his story and several examples. The programme was concluded with students' feedback and interaction. The resource persons were awarded a memento by Shri. Premkumar, Administrative Officer, Sreepathy.





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Innovation & Entrepreneurship Development Cell



SIMAT/IEDC/16-17/02

07/03/2016

TECHNOPRENEUR, THE TECHNO-MANAGERIAL SYMPOSIUM

The 10th edition of **Technopreneur**, the techno-managerial symposium, was conducted by the Innovation and Entrepreneurship Development Centre (IEDC) of Govt. Model Engineering College. The programme was held on **March 5-6th** at **IMA Hall, Kaloore**, Kochi. The event will have four sessions covering the various dimensions of entrepreneurship, conducted by seasoned players of the game. This year **Technopreneur 2016** had the theme **Emerge!Endure!Evolve!.**

Technopreneur, whose first edition in 2006 went on to win the best Yi-Net event at the CII National Summit in Mumbai, is a platform where technology meets entrepreneurship. It offers young innovators the prodigious opportunity to interact with eminent personalities from the entrepreneurship world and to pick up lessons from their tales of success. Through the years, Technopreneur has brought in many fabled speakers to the limelight, including **Mr. Sam Pitroda** (Former Advisor to PMO), **Dr. K. Radhakrishnan** (Former ISRO Chairman), Dr. **S.Gopalkrishnan** (Co-founder of Infosys) among many others.

Mr. Nikhil Godan (ECE, 2014 Batch) & Mr. Rahul Ashok (ECE 2013 Batch) represented Sreepathy Institute of Management And Technology in this programme.

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SIMAT/IEDC/16-17/03

02/07/2016

EXPERT TALK ON EMBEDDED SYSTEMS

An expert talk on embedded system was conducted on 2nd July 2016. The session was handled by Mr. Mohammed Marzook, CEO of Ikyer Technologies. 70 Students from EEE & ECE attended the programme. Current opportunities and innovative ideas were discussed during the session. The session started at 1.00PM and concluded at 3.50 PM.



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SIMAT/IEDC/16-17/04

08/07/2016

EXPERT TALK ON ENERGY EFFICIENCY & ENERGY CONSERVATION

An expert talk on energy efficiency & energy conservation was conducted on 8th July 2016 at 11:30 AM in the college seminar hall. 20 students each from CE, CSE, EEE, ECE and ME branches attended the session. The students are from S4 and S6. Prof. Thankachan P V(HOD-EEE), Mr. Nisanth P(Assistant Professor- ECE), Mr. Dileepan V M (Assistant Professor- EEE), Ms. Smitha G (Assistant Professor- EEE) and Mr. Pradeep M (Lab instructor – EEE) also attended the session. The program started with the welcome speech by Ms Smitha G, Assistant Professor – EEE department. Prof. Thankachan P V, HOD-EEE delivered the presidential address. Mr. Suresh Babu B V, Accredited Energy Auditor - Bureau of Energy Efficiency - Govt of India, handled the session. Need of Energy Conservation, Reducing the carbon emission, Need of Energy Management, Future of renewable energy sources etc were explained during the session. The session concluded at 03:30 PM with vote of Thanks by Mr. Dileepan V M, Assistant Professor- EEE.



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INTRODUCTION TO PATTERN RECOGNITION

An expert talk on pattern recognition was conducted on 15th July 2016 at 11:30 AM in the college seminar hall. 25 students each from CE, CSE, EEE, ECE and ME branches attended the session. The following faculties also attended - Ms. Sushma M, HOD-ECE, Ms. Sreeja P, Assistant Professor- ECE, Mr. Dileepan V M, Assistant Professor- EEE and Mr. Sebin Sunny P, Assistant Professor- EEE. The program started with the welcome speech by Ms Smitha G, Assistant Professor – EEE. Pattern recognition is a part of machine learning and it is concerned with the automatic detection or classification of objects or events. The main objective of a pattern recognition system is to assign an object or an event to one of the several pre-specified categories. The objects or situations to be classified are called as samples or patterns. The set of samples used for the system design is called training set. Pattern recognition algorithms generally aim to provide a reasonable answer for all possible samples and to perform "most likely" matching of the samples with these training sets, taking into account their statistical variations. Some applications of pattern recognition are human speech recognition by computers, gender identification, character recognition, medical diagnostics, sorting of materials, identification of people from fingerprints, voice, retinal scans etc, analysis of satellite pictures to determine agricultural crops, weather etc.

The session concluded at 03:30 PM.



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5 DAY INTERNSHIP PROGRAMME

EEE department in association with IEDC & IEEE conducted a five day internship programme for S3 EEE students as a part of KTU Curriculum from 25th to 29th July 2016 . 38 students participated in this internship program. The aim of this programme is to get an industrial exposure to engineering students and subsequent placement of young graduate engineers in industries across the country. This programme is also to make students aware of the recent developments in their engineering fields and make them familiarize with advanced Software's.

The internship programme was started with a Welcome Speech by Mr. Sebin Sunny P–Asst. Professor-EEE Dept. at 9.00am. After the welcome speech Prof P V Thankachen –HOD EEE Dept. Inaugurated the 5 day Internship programme by lighting the lamp. Mr. Premkumar – AO SIMAT, Renjith P C, Dileepan V M –Asst. Professors –EEE dept. felicitated the event.

Day-1

Introduction to Electrical Engineering – With the help of PPT Prof. P V Thankachen gave a brief idea about Dept. Activities, practical aspects of Electrical & Electronics Engineering, Job opportunities, and higher studies option for graduates.

Familiarization of Electrical Equipment's. - Total Students are divided in to three groups. In Machines Lab with the help of Faculties & Lab instructors students are familiarized with different Meters, Transformers, AC & DC Machines, Constructional details of Fan, Mixer. Renjith P C, Remya T R –(Asst. Professors) & Mr. Shibu K, Suhas K N –(Lab Instructors EEE Dept.) Guided the students and explained.

Visit to Indoor Substation – Students visited our indoor substation. Mr. Shibu K, Suhas K N – (Lab Instructors EEE Dept.) explained about 11KV/440V distribution Transformer, Auxiliary equipment's, DG Set, TOD Meter and change over switch.

Visit to Indoor Substation – Students visited our indoor substation. Mr. Shibu K, Suhas K N – (Lab Instructors EEE Dept.) explained about 11KV/440V distribution Transformer, Auxiliary equipment's, DG Set, TOD Meter and change over switch.

Day-2

Basics of Power System- Remya T R- Asst. Professor- EEE Dept. gave a brief idea on basics of Power System.

Industrial Visit- 37 students accompanied by 3 faculty members went for an Industrial Visit to 110KV Substation Kootanad. Station Engineers Mrs. Sona & Mr. Praveen explained the substation equipment's Transformer, Lightning Arrester, CCVT, CT, Isolator, their metering section, feeders, distributors and Basic layout of Substation.

Load Calculation- On the same day after the Industrial visit students are divided in to 8 groups and they are directed to different labs & class rooms for load calculation. Also given idea about the power rating of household equipment's & tariff calculation. Students of different groups calculated total power for different labs. Session was handled by Renjith P C (Asst. Professor)

Day-3

Introduction to Embedded System- This session provided the basics of embedded systems. The evolution of microprocessors and microcontrollers were explained to the students through various group activities. Also given an idea to the students about the opportunities of embedded systems. Session was handled by Sebin Sunny P (Asst. Professor), Shibu K, Suhas K N (Lab Instructors). Students were divided in to 8 groups and each group elected a group leader and choose an unique name for their group. Group leaders introduced their group members and explained the meaning of their group names. Students familiarized with different microprocessor & microcontroller ICs. Also different types of development kits were introduced to them.

Familiarization of Electronic Circuits- Students familiarized with simple Analog circuits. Given idea about Bread board, CRO, Function generator... Wave forms are plotted on CRO for different analog circuits. Session handled by Bincy M & Devi Krishnan (Asst. professors EEE dept.)

Day-4

Hands on training on Aurdino - Session started with an introduction to the Arduino development board. All groups were provided with separate arduino training kits. Arduino IDE, development board and programming basics were familiarized during this session. During the

second session several basic programs of Arduino were experimented. Blinking LED, creation of LED waves, interfacing of sensors etc were done by the students. During the last session students familiarized with different arduino projects like android controlled robot, line follower robot etc.

Day-5

Interfacing & Simulation - Session 1 of day 5 introduced various interfacing mechanisms. Students interfaced various components like LCD, motors etc. with arduino. Session 2 introduced the basics of circuit simulation. Simple rectifier circuits with different loads are simulated by the students on Proteous software. Session handled by Sebin P (Asst. Professor), Shibu K, Suhas K N (Lab Instructors). Last session students filled the feedback forms about the internship programme and expressed their suggestions and views. Session ends at 4.00pm.



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SIMAT/IEDC/16-17/07

30/08/2016

SEMINAR ON “AUTOMATION & OPPORTUNITIES”

EEE department in association with IEDC & IEEE conducted a one day seminar “Automation & Opportunities” for both S7 EEE & S7 ECE students on 30th July 2016 at Seminar Hall. The main intention of this class was to make students familiar with various automation courses and job opportunities for both EEE & ECE Engineers in the fields of Automation Industries. The inaugural ceremony started at 10.30 am with a Welcome Speech by Mr. Renjith P C – (Asst. Professor-EEE Dept). Prof P V Thankachen – (HOD EEE Dept). Gave an Inaugural Speech mentioning the present scenario of Employment. Among the entire engineering graduates only 8% of students are suitable for employment. He also mentioned the importance of Add-On Course programs for final year students. Mr. Subhash – Marketing Manager (Prolific Systems & Technologies) handled the first session. Session started with different Automation courses and Company Profile. He also mentioned the Job opportunities, & Career growth for EEE & ECE Engineers in the Automation industry. After that there was an interactive session which gives the students a Brief idea about PLC, SCADA, VFD, Industrial Process Management and DCS. In this session Mr. Sainudheen (Faculty Prolific Systems & Technologies) interacted with the students about their idea about automation & Automation industry. Students asked a lot of questions about course certification and Role of engineers. After feedback session the program ends with vote of Thanks.





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SIMAT/IEDC/16-17/08

08/08/2016

ROBOTICS WORKSHOP

An innovative workshop on ROBOTICS was jointly conducted by IEEE SIMAT SB & IEDC on 5th and 6th of August 2016. The workshop was handled by Mr Sunil, CEO & FOUNDER of SRISHTI ROBOTICS with assistance from Mr Shine Sreedhar and Mr Vipin from their firm. About 83 students from Mechanical, EEE, EC and CS Departments attended the workshop.

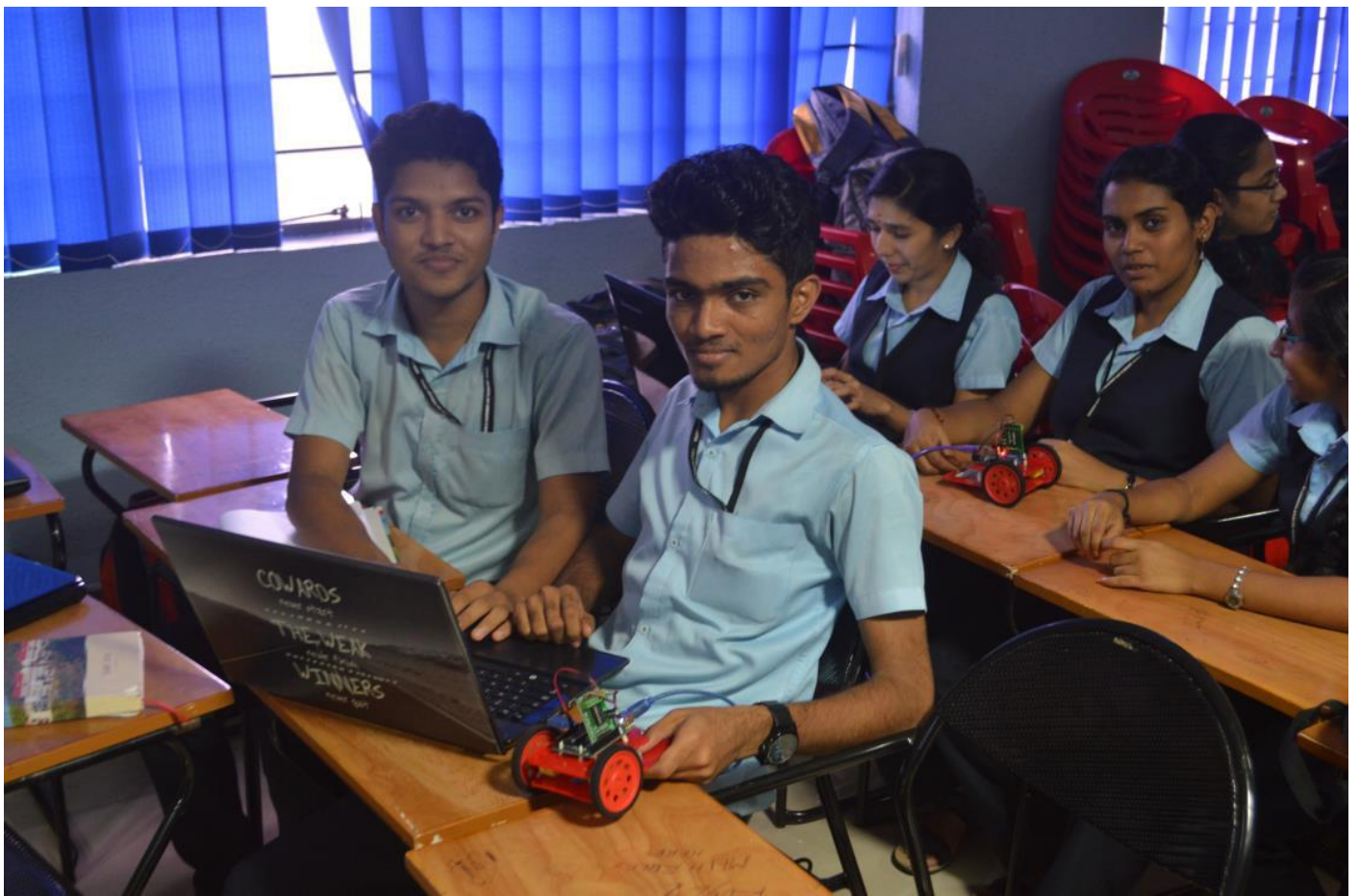
The session on 5th August 2016 was started by 9.30am in SIMAT Seminar Hall. The Presidential address was delivered by Ms Smitha G, Branch Councillor IEEE SIMAT. The forenoon session which was handled by Mr Vipin and Mr Shine gave the students an introduction to embedded systems and robotics. In the afternoon session hand gesture controlled robots were dealt. The first day workshop was winded up by 3.40pm.

The session on 6th August 2016 was also started by 9.30am with the talk by Mr Sunil. On the previous day the students were familiarised with the working of Accelerometer and its implementation for controlling a robot. Later on, the session provided the guidance to make TV Remote controlled robots. In the afternoon session, discussions involving different algorithms were held. The workshop was winded up by 3.40pm. The Vote of thanks was delivered by Jishnu Prakash Kp, CHAIRMAN,IEEE SIMAT SB. Acknowledgements from student representatives of Ammini College of Engineering Palakkad and College of Engineering Aranmula were also delivered. All the teams who attended the workshop were given the Robotic take away Kit that they worked upon during the workshop.

The two day workshop provided the students a platform to learn the basics of Robotics and Arduino tools that come in handy for a tech enthusiast. It also helped the students to build their own miniature size mechanical robots and an introduction on implementation of electronics and programming in building a robot were given.

ROBOTICS:

Robotics is the art of making robots,machines that can perform tasks that human do not like to do or cannot do them efficiently at a stretch. A typical robot consists of mechanical components, actuators,power transmission devices, sensors, electronic controllers and computers.





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Innovation & Entrepreneurship Development Cell



SIMAT/IEDC/16-17/09

25/08/2016

IEDC SUMMIT'16

The Innovation Entrepreneurship development centers are small incubators physically available at Engineering, Polytechnic, Management and Arts & Science colleges which promote Innovation and entrepreneurship from the college level. Kerala Startup Mission is supporting 147 IEDC across the state which helps the students to come up with innovative ideas and work within the IEDC and start their entrepreneurial journey.

IEDC Summit'16 witnessed the gathering of student representatives and IEDC nodal officers (2500+) from all IEDC's across the state. The programme was conducted on **23rd August 2016** at **Girideepam Convention Centre, Nalanchira**. The event started at 10AM after the registration. 10 students and nodal officer represented our college for the summit.

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SIMAT/IEDC/16-17/10

08/09/2016

Orientation on Entrepreneurship

An orientation on Entrepreneurship Development was conducted on 8th September 2016. 30 students from various departments attended the programme. Mr. Sarath Sankar (AP-ME) inaugurated the event. Mr. Sebin Sunny P, IEDC nodal officer, handled the session.

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SIMAT/IEDC/16-17/11

22/09/2016

Women in Engineering - Motivational Talk

A session on Women in Engineering and Entrepreneurial opportunities was conducted on 22nd September 2016. The session was handled by Mrs. Smitha G (Asst. Professor-EEE). The importance of gender equality and women opportunities in current scenario was stressed in the event. Mr. Sebin Sunny P (Nodal Officer, IEDC) & Mr. Sarath Shankar (AP-ME) felicitated the event.

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SIMAT/IEDC/16-17/12

29/09/2016

Industrial Visit to Ashtangam

An Industrial visit was conducted to Ashtangam Ayurvedic Medical College, Vavanoor, on 29th September 2016. 20 students participated in the visit. Mr. Sebin Sunny P (IEDC – nodal officer) & Mr. Shibu K (Lab Instructor, EEE) accompanied the students. Mr. Unni, Administrator of Ashtangam, handled a session on Entrepreneurial challenges. Medicine production center and solar plant were visited and studied during the visit.

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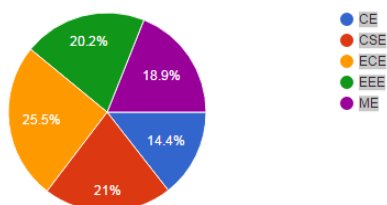
SIMAT/IEDC/16-17/13

10/10/2016

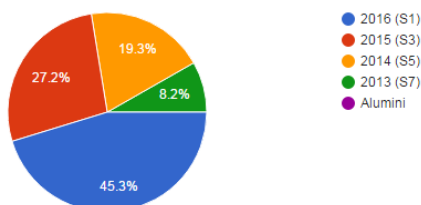
Enrollment Campaign

IEDC Enrollment campaign for students was conducted from 1st to 10th October 2016. Class wise and department wise campaigns were conducted. 220 students enrolled to IEDC as a part of enrollment campaign. Following is the analysis of enrolled students,

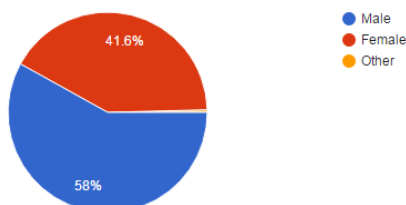
Branch (243 responses)



Year of Admission (243 responses)



Gender (243 responses)



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SIMAT/IEDC/16-17/14

05/10/2016

Raspberry-Pi Workshop

An introductory workshop on Raspberry pi was conducted on 3rd & 4th October 2016. 25 students from different departments attended the programme. Mr. Sarath K (AP-ECE), Mr. Sebin Sunny P (AP-EEE) & Mr. Shibu K (Lab Instructor-EEE) conducted the programme. Students were given a basic idea about Embedded system and they were familiarized with the basic operations of Raspberry pi. Mr. Nithin Narayanan(S1 ME B) presented his project on Raspberry pi during the event.

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Innovation & Entrepreneurship Development Cell



SIMAT/IEDC/16-17/15

05/10/2016

IEDC Cluster Meeting

KTU IEDC Cluster 12 meeting was conducted on 5th October 2016 at MES college of Engineering, Kuttippuram. 10 college representatives of cluster 12 were present in the meeting. Various activities under IEDC, problems faced by nodal officers, financial assistance from KSUM were discussed in the meeting. The meeting started at 10.00AM and concluded at 3.00PM. Mr. Sebin Sunny P (IEDC Nodal officer) represented SIMAT in the meeting.

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Innovation & Entrepreneurship Development Cell



SIMAT/IEDC/16-17/16

10/10/2016

Entreprenia'16

Entreprenia16-A Step Beyond

NATIONAL LEVEL ENTREPRENEURSHIP SUMMIT organized by ENTREPRENEURSHIP DEVELOPMENT CELL in N S S College of Engineering, Palakkad on 24th & 25th September 2016.

Entreprenia, an entrepreneurship summit, provided a platform for young aspirants to promote their business ideas to the next million dollar company from India. This program was held in N S S College of Engineering, Palakkad. 12 Students from SIMAT participated in this event.

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SIMAT/IEDC/16-17/17

21/10/2016

Career Development Programme

An orientation to GATE and seminar on several carrier opportunities was conducted on 21st October 2016. Mr. Jomy P L (MD-IMS Learning center) & Mr. Roy Rocky (Operations Head - Dronacharya techno Solutions) handled the sessions. 60 students attended the event. Mr. Sebin Sunny P (AP-EEE), Mr. Saneesh P S (AP-CSE) & Mr. Jayanthan K S (AP-CSE) were present for the event.



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Innovation & Entrepreneurship Development Cell



SIMAT/IEDC/16-17/18

23/10/2016

Makers Workshop

APJ Abdul Kalam Technological University (KTU) in association with Federal Institute of Science & Technology (FISAT) has organized I2P MAKERS' WORKSHOP from 5 to 7 October 2016 for the faculty from various Engineering colleges in Kerala. This workshop was a unique event that provides an opportunity to experience real time challenges of new product making. It also stirred the creativity within the teaching faculty and gave them an opportunity to come over with need based product of our times. As a follow up of the workshop a product launch was conducted on 23rd October 2016. Mr. Sarath M Warrior (ECE-2013 Batch) represented SIMAT in that event.

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Innovation & Entrepreneurship Development Cell



SIMAT/IEDC/16-17/20

31/10/2016

Nodal Officer's Orientation Camp

A two day orientation camp for IEDC nodal officers was conducted on 30th & 31st October 2016 at Muthoot Institute of Technology, Ernakulam. The camp started on 30th October. 25 nodal officers from different colleges attended the camp. Arun Kappen, Nodal Officer, Muthoot Institute Of Technology & Science, delivered the welcome address. Session on Initiatives of Kerala Startup Mission(Mr. Vishal B, Technical Officer, Kerala Startup Mission), session on suggested model of activities and Fund utilization(Prof. Sherin Sam Jose, Nodal Officer, Amaljyothi College of Engineering), session on entrepreneurial activities in Poly technic colleges(Prof. Sadasivan, Government Poly Technic College, Meenangadi, Wayanad), panel discussions, several sessions on activities of IEDC, fund utilization, different schemes etc were conducted during the camp. The camp concluded at 3.30PM on 31st October 2016. Mr. Sebin Sunny P represented SIMAT for the camp.

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SIMAT/IEDC/16-17/20

31/10/2016

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A two day orientation camp for IEDC nodal officers was conducted on 30th & 31st October 2016 at Muthoot Institute of Technology, Ernakulam. The camp started on 30th October. 25 nodal officers from different colleges attended the camp. Arun Kappen, Nodal Officer, Muthoot Institute Of Technology & Science, delivered the welcome address. Session on Initiatives of Kerala Startup Mission(Mr. Vishal B, Technical Officer, Kerala Startup Mission), session on suggested model of activities and Fund utilization(Prof. Sherin Sam Jose, Nodal Officer, Amaljyothi College of Engineering), session on entrepreneurial activities in Poly technic colleges(Prof. Sadasivan, Government Poly Technic College, Meenangadi, Wayanad), panel discussions, several sessions on activities of IEDC, fund utilization, different schemes etc were conducted during the camp. The camp concluded at 3.30PM on 31st October 2016. Mr. Sebin Sunny P represented SIMAT for the camp.

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SIMAT/IEDC/16-17/21

05/11/2016

Workshop on Machine Learning

An introductory workshop on Machine Learning was conducted on 5th November 2016. 50 students from different departments attended the programme. Mr. Manu Madhavan (Research Scholar, NITC) handled the session. Students were given a basic idea about machine learning. Mr. Saneesh P S (AP-CSE) coordinated the event.



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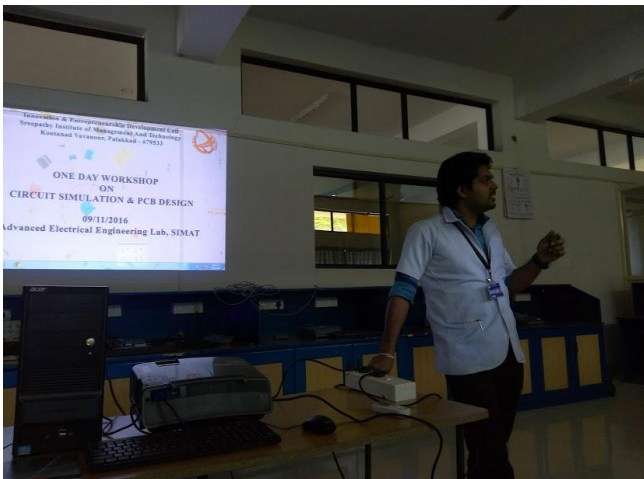


SIMAT/IEDC/16-17/22

09/11/2016

Workshop on Simulation Software's

A one day workshop on simulation software was conducted on 9th November 2016. 37 students from S3 EEE attended the programme. Mr. Sebin Sunny P (AP-EEE) & Mr. Shibu K (Lab Instructor-EEE) handled the session on simulation software's and Mr. Sarath K (AP-ECE) handled the session on PCB designing.



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SIMAT/IEDC/16-17/23

18/11/2016

EDC Awareness Programme

A one day awareness seminar on Entrepreneurship was conducted on 17th November 2016. The seminar was jointly organized by IEDC SIMAT and DIC, Ottapalam. Mr. P A Basheer (ADIO, Ottapalam) & Mr. Vinod K J (IEO, Pattambi) handled the sessions. Dr A K Vasudevan inaugurated the event. Prof. Thankachen P V (HoD-EEE), Mr. Vijayan K (Secretary-Sreepathy Trust) & Mr. Sebin Sunny P (Nodal officer-IEDC SIMAT) felicitated the event. 60 students attended the event. Students of S3 EEE coordinated the event.

<p>സംരംഭകത്വ ബോധവൽക്കരണ സെമിനാർ</p> <p>കൂറ്റനാട്: ജില്ലാ വ്യവസായവകുപ്പും ശ്രീപതി കോളേജ് ഇ.ഡി. ക്ലബ്ബും ചേർന്ന് ഏകദിന സംരംഭകത്വ ബോധവൽക്കരണ സെമിനാർ സംഘടിപ്പിച്ചു. പ്രിൻസിപ്പൽ ഡോ. എ.കെ. വാസുദേവൻ ഉദ്ഘാടനം ചെയ്തു. അസി. ജില്ലാ വ്യവസായവകുപ്പ് ഓഫീസർ പി.എ. ബഷീർ സംരംഭകത്വത്തിന്റെ പ്രാധാന്യത്തെപ്പറ്റി സംസാരിച്ചു.</p> <p>വിനോദ് ജില്ലാ വ്യവസായവകുപ്പിന്റെ വിവിധ പദ്ധതികളെക്കുറിച്ച് ക്ലാസെടുത്തു.</p>	 <p>ശ്രീപതി എൻജിനീയറിങ് കോളേജിൽ നടന്ന സംരംഭകത്വ ബോധവൽക്കരണ സെമിനാർ പ്രിൻസിപ്പൽ ഡോ. എ.കെ. വാസുദേവൻ ഉദ്ഘാടനം ചെയ്യുന്നു</p> <p>ശ്രീപതി ട്രസ്റ്റ് സെക്രട്ടറി ഓർഡിനേറ്റർ സെബിൻ സ. കെ. വിജയൻ, പ്രൊഫ. തങ്കച്ചൻ പി.വി, ഇ.ഡി. ക്ലബ്ബ് കോ-ഓർഡിനേറ്റർ സെബിൻ സണ്ണി പി. എന്നിവർ സംസാരിച്ചു.</p>
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News report in Mathrubhumi Dated 21/11/2016 (Pattambi edition)

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SIMAT/IEDC/16-17/24

10/12/2016

EXHIBITION ON DESIGN EVOLUTION OF PRODUCTS

An Exhibition on evolution of product design was conducted on 20th February 2016. The programme was conducted for second semester students of various departments. Evolution process of several products was showcased during the exhibition. Dr. George C T (HoD-AS&H) inaugurated the exhibition.





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SIMAT/IEDC/16-17/25

18/12/2016

Entrepreneurship Awareness Camp by KITCO

A 3 day Entrepreneurship Awareness camp was conducted by KITCO from 19th to 21st December 2016. The workshop was jointly organized by IEDC & Association of ME from 19th to 21st Dec 2016. The programme was conducted by KITCO and was sponsored by NSTEDB, DST, EDII (Govt. of India) & DIC (Govt. of Kerala). The programme was coordinated by Mr. Sebin Sunny P (IEDC Nodal Officer) & Mr. Kuriyachan (Sr. Officer, KITCO). Mr. Anand, Mr. Dileep Kumar (Sr. Officers, KITCO), Mr. Byju (IEO, Shornur), Mr. Madhavan (Financial Literacy Center, Malappuram) handled different sessions. Mr. Saneesh P (AP-CSE), Mr. Vishnu V (AP-ME), Mrs. Nayana K (AP-CE), Mrs. Santhi R (AP-ECE), Mrs. Sarmishta (AP-AS&H) was present for the workshop. 75 students attended the workshop.





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Consolidated Reports 2017



SIMAT/IEDC/17/01

05/01/2017

Project Idea Pitching Competition

An idea pitching competition was conducted for students of S8 on 5th January 2017. 58 student groups participated in the event. 2 projects selected from each department and submitted for further valuations. The projects were also submitted to DST under the UDYAMITA proposal.



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Innovation & Entrepreneurship Development Cell



SIMAT/IEDC/17/04

17-18/01/2017

Fab Asia Network

Mr. Sebin Sunny P (IEDC Nodal Officer) & Mr. Sarath K (AP-ECE) attended an International conference, Fab Asia Network, at Mill Hall - Ernakulam.



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SIMAT/IEDC/17/05

25/01/2017

One Day Workshop in MEP

A one day workshop in association with EEE department and Dronacharya Solutions was conducted on 25th January 2017. 60 Students from EEE & ME Departments (2013 & 2014 Batch) attended the workshop.



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SIMAT/IEDC/17/06

30/01/2017

Smart India Hackathon

2 teams (each from 2013 & 2014 EE Batch) participated in the smart hackathon program conducted by Govt. of India. A presentation was conducted explaining the details and guidelines of Hackathon and a hands on training was given to students on how to participate in the contest.



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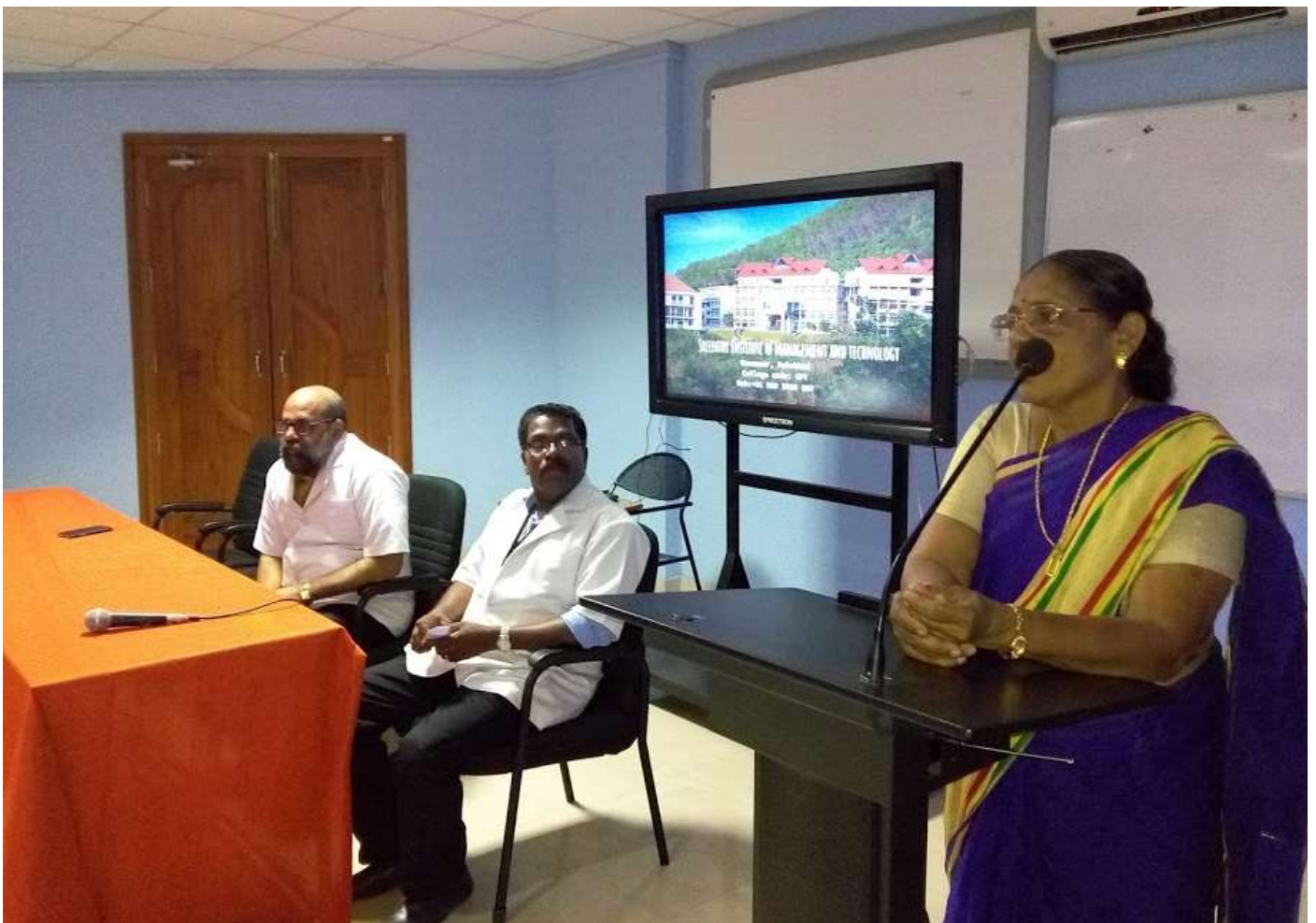


SIMAT/IEDC/17/07

04/02/2017

KEAM'17 Android Application Launch

K.P.M Pushpaja, Trithala Block Panchayath President, launched the first android application created by students of SIMAT on 4th February 2017. Bytetrrix Technologies (Arjun P Warrior, Ajay Scaria, Vineeth P, Nikhil & Mahesh Sankar of EEE 2013 Batch), Mr. Saeesh P (AP-CSE) & Mr. Sebin Sunny P created the android application. The student group represented Bytetrrix techno solutions.



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SIMAT/IEDC/17/13

07/03/2017

Android Application Development Workshop

A one week workshop on Android Application Development using App Inventor was conducted from 7th to 10th March 2017. Prof. Thankachen P V inaugurated the event on 7th March 2017. Mr. Sebin Sunny P (Nodal Officer, IEDC), Smitha G (AP-EEE), Santhi R (AP-ECE), Sarath K (AP- ECE) & Sreeyenar (TA-ECE) felicitated the event. 30 students attended the workshop. The workshop was jointly organized by IEDC, IEEE, Bytatrix techno solutions & Association of EEE.





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SIMAT/IEDC/17/16

13-17/03/2017

Workshop on Simulation Software's

A one week workshop on Proteus simulation software was conducted from 13th to 17th March 2017. The workshop was jointly organized by IEDC, IEEE & Association of ECE. Mrs. Santhi R (AP - ECE) inaugurated the workshop. Mr. Sarath K handled sessions on proteus libraries, simulation and project development. Mr. Sebin Sunny P (Nodal officer-IEDC) took session on simulating arduino and microcontrollers using proteus. 15 students attended the workshop.



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SIMAT/IEDC/17/18

17/03/2017

Jwala Techno Solution Site Launch

A site, www.ktulive.org, made by students of EEE (Vishnu C V, Sandesh C, Nithin T - EEE 2015 Batch) was launched by Dr. A K Vasudevan in an event organized by IEDC - SIMAT. Mr. Sebin Sunny P (Nodal Officer - IEDC) & Mr. Prem Kumar (SIMAT Administrator) felicitated the event.



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SIMAT/IEDC/17/19

17/03/2017

Design Engineering Exhibition

Conducted a one day exhibition on evolution of design of various equipment's on 17th March 2017. All students of S2 (2016 Batch) participated in the event.



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SIMAT/IEDC/17/21

18/03/2017

One day workshop on Atmega Microcontrollers

A one day workshop in Atmel microcontrollers was conducted on 18th March 2017. Mr. Sarath Shankar (AP-ME) inaugurated the workshop and Mr. Sebin Sunny P (Nodal Officer - IEDC) felicitated the event. The workshop was jointly organized by IEDC, IEEE, Bytatrix Techno Solutions & Association of EEE. 30 students participated in the workshop.



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SIMAT/IEDC/17/24

27/03/2017

ME Cluster Inauguration & Academia Industry Interaction Session

Mr. Damodar Avanoor (CEO - Lohashilpi) Inaugurated ME-IEDC Cluster on 27th March 2017. He shared his experience with students and handled a session on Entrepreneurship



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National Technology Day Celebrations 2017 (Supported by KSCSTE)

As a part of National Technology Day celebrations several programmes were organized at Sreepathy Institute of Management And Technology with the support of **KSCSTE** (Kerala State Council for Science, Technology & Environment) & **IEDC** (Innovation & Entrepreneurship Development Center supported by KSUM) during 11th, 2th, 13th & 15th of May 2017. The formal inauguration of NTD'17 was conducted on 15th May 2017. Robotics Workshop, Industrial Visit, Expert Talk, Project Expo & Idea pitching competitions were conducted as a part of NTD'17.

NTD'17 Inauguration & Robotics Workshop (15th May 2017)

The formal inauguration of NTD'17 was conducted on 15th May 2017. The inaugural event started with a silent prayer followed by the welcome address delivered by Mr. Sebin Sunny P (IEDC Nodal Officer). NTD'17 Celebrations were inaugurated by Sri. Mohanan (Nagalassery Block Panchayath Member, Vavanoor). In his inaugural talk he stressed the importance of technology in real life. Dr. George C T (HoD, AS&H Dept. SIMAT), Prof. Thankachen P V (HoD, EEE Dept. SIMAT) & Mr. Prem Kumar (Administrator, SIMAT) felicitated the event. Mr. Seeyenan E.K (IEDC Asst. Coordinator) delivered the vote of thanks. 30 students from different schools near SIMAT and 50 students from various departments of SIMAT attended the inaugural event. After the inauguration an expert talk on Innovation and technology was organized for engineering students. Dr. E D Dias (Associate Professor, St. Aloysius College, Thrissur) handled the session.

Inaugural Address by Sri. Mohanan (Block Panchayath Member, Nagalassery)



Expert Talk on Innovation & Technology by Dr. E D Dias
(Asso. Prof, St. Aloysius College, Thrissur)





Begin Robotics, an awareness workshop on robotics, was organized for school students on 15th May 2017 after the inaugural event. The workshop started with an introduction to the history of robotics and students were given simulation exercises on the basic movements of rover bots. The simulation exercises were followed by hands on session in which the students were familiarized with arduino development boards and sensor interfacing. The workshop was handled by Mr. Sarath K (S Cube Technologies)

Begin Robotics (Robotics Workshop)



Industrial Visit (11th May 2017)

An industrial visit to Kapoor Industrial estate was conducted on 11th May 2017 as a part of National Technology Day Celebrations. 60 students from several engineering departments attended the visit. Aron International (Copper Manufacturing), Plasmake (Injection Molding), Dianaplast(Power Looms) & Prince dye making were visited.

Industrial Visit



Project Expo & Competition (12th May 2017)

As a part of National Technology Day Celebrations 2017, a project exhibition and competition was conducted for engineering students. 12 project teams participated in the competition. 3D Printer (Sreejith P. D, Sruthy, Swetha K, Sreehari & Sudheep-2013 EEE Batch) won the first prize and Smart Audit Andro Board (Arjun P Warrior & Mahesh – 2013 EEE Batch) won the second prize.

Project Exhibition & Competition



Idea Pitching Competition (13th May 2017)

As a part of NTD'17 celebrations, Idea pitching competition was conducted on 13th May 2017. 5 teams participated in the event. Mr. Vshnu C V & Mr. Nithin T (2014 Batch) won the first prize for presenting their idea, EduMate, an app companion for KTU students.

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Innovation & Entrepreneurship Development Cell



SIMAT/IEDC/2017/30

24/07/2017

National Level FDP in Start Ups & Entrepreneurship

A National Level FDP in “**Start Ups & Entrepreneurship**” was organized by Entrepreneurship Development Institute of India (EDII, Ahmedabad) with the support of Dept. of Science & Technology (DST, Govt. of India) & Kerala Start Up Mission (KSUM, Govt. of Kerala) from 10th to 22nd July 2017. The inauguration of the FDP was conducted on 10th July 2017.

FDP Inauguration – 10th July 2017



The inaugural function started with a silent prayer. Dr. A K Vasudevan (Principal, SIMAT) delivered the welcome address. Shri. Sivan Ambattu (Kerala Project coordinator, EDII) explained the course outline followed by the presidential address which was delivered by Shri. Vijayan K (Chairman, Sreepathy Trust).

ShriNarayanadas T K (Block Panchayath Vice President) inaugurated the FDP. In his inaugural address, he stressed the need of building an entrepreneurial culture in campuses. Mr. Unni P B (Jt. Secretary, Sreepathy Trust), V S Sukumaran (Sr. Faculty, EDII), Dr. George C T (HoD, AS&H), Dr. Madhavan (Head, R&D Cell) & Shri. Janardhanan (Placement & Training Officer, SIMAT) felicitated the event. Mr. Sebin Sunny P (IEDC Nodal Officer) delivered the vote of thanks.

The inaugural event was followed by a familiarization session in which faculties introduced themselves and explained their experience with IEDC's & entrepreneurship. The session was coordinated by Mr. Sivan Ambattu.



Evening sessions started with different learning styles. Entrepreneurship Development tasks and challenges were also handled. The sessions were handled by Mr. Sivan Ambattu. The points discussed: how to motivate and manage the skill of students and faculties which is also useful for the society. Knowledge gathered from technologies has to be utilized to improve the society and the development of nation. The activity oriented class gives more awareness about our own mind setup.

Day 2: 11th July 2017

The sessions of day 2 provided an overview of competency based selection process in which roles of opportunity, effective thinking, team building etc were explained. The sessions were handled by Mr. Sivan Ambatu. Give us the awareness about attitude of a good teacher who can guide the students to consider the social needs and meet the requirements of society. The entrepreneurial competencies were discussed in detail. The sessions were explained through different activities.



Day 3: 12th July 2017



Third day sessions were handled by V S Sukumaran. Achievement motivation training was the topic handled. The session included many games and review of the games. Risk taking, planning & team building activities were conducted. The importance of converting uncontrolled situation to controlled situations, information gathering, awareness of environment, uncertainty, taking calculated risks and experiences were shared in the class.

Day 4: 13th July 2017

Morning session was on the topic Innovation & Role of IEDC's. The session was handled by Mr. Unnikrishnan (Nodal Officer, RSET). Several IEDC schemes and innovative idea implementations were explained in this session. Faculties have to take initiative steps to motivate students through different steps. Communication between IEDC clusters of different colleges and conduction of courses will make changes in the skill of students. Alumni- faculty and student bondage must be created in the campus through the start ups to improve the confidence level of level .



Afternoon session was conducted at Ashtangam Ayurvedic Medical College. Mr. Unni (Secretary, Ashtangam) explained about the challenges faced in setting up an enterprise and the risks involved. Different enterprise will have different challenges and risks, this was the platform how the society getting the advantage from this enterprise and through which they can also flourish.



Day 5: 14th July 2017

The session was handled by Mr. Suresh Babu (CEO, Microelectronic Systems Pvt Ltd). The words from a real life entrepreneur motivated the participants. Entrepreneur should have social commitment and able to support the family. Importance of hardworking, willpower risk managing capacity was shared.



Afternoon Session: Business Opportunity Identification by Sivan Ambattu. Faculties should take the risk of molding a student for the entrepreneurial skills. Encourage students to think innovatively and gather information and come up with attractive ideas that will capable of handling society needs. Activity oriented classes were give us the new methods and confidence to create spark in the minds of students.



Day 6: 15th July 2017



Business Plan Preparation by V S Sukumaran. This session gives us the real exposure to the importance of market analysis technical analysis and financial analysis regarding a business. Whenever a prototype is created, as faculties we all are having idea about the technical level of the product, but there is many other important analysis to make a successful product in the market. The key terms used in the marketing and business were discussed through activities were enlightened each participates.

Day 7: 17th July 2017

Setting up an Enterprise & Business Process by Mr. Sivan Ambattu. The activity oriented approach in the topic arise the confidence in the field as a faculty. Importance of managerial skills and product quality were enforced into our mind through the activity. The possibility of success and failures of different areas were discussed in a brilliant way. Skill development for students must include such type of workshops to develop the entrepreneurial attitude.



Day 8: 18th July 2017

Session 1: Setting up of Technology Business Incubators, Session by Ms. Preethi M (NITC TBI, Manager)

Discussion focused on the different risks for the coordinators apart from the academics activities. Importance of industry and academic balance in present scenario was revealed. When faculties promote students to this field, faculty should have the proper way to identify the students and promote the correct team. IEDC team should have proper planning, monitoring and guidance skill. Main activities of TBI like training , consultancy project, networking with institute and outside incubating were dicussed and it has to be promoted nowadays.



Session 2: Mr Akhil Madhav, KSUM fellow.

The session explained different schemes and programs of KSUM. Ingredient of start ups in a point view of budding person in this field was explained. Give awareness about the programs and IEDC action plans to promote entrepreneurship among students. Talked about the successful start ups motivate students through the successful stories of different enterprises.



Day 9: 19th July 2017

Session 1: Intellectual property rights and patenting mechanism by Febin James (Advocate). Obtained the correct orientation of the Intellectual property rights. Copyright, trademark, patents Etc... were discussed in detail with examples. The procedures and issues were discussed in section. As faculty in the engineering college, the guideline about this field was obtained.



Session 2: DIC & their schemes by Mr. Byju Krishnan (IEO, DIC Palakkad): this session gave us the knowledge of different schemes and its procedures to set up a business. Mainly talked about PMEGP schemes and EDP schemes.

Day 10: 20th July 2017

Industrial Visit

1. Steel & Industrial Forgings Ltd.
2. The Metal Industries Ltd.
3. Lakshmi Implements
4. Mayil Fittings
5. Premiere Engineering







Day 11: 21st July 2017

Market analysis and marketing techniques by Mathew C D (Senior faculty, EDII): importance of the marketing analysis and survey were conveyed seriously in this section. How the marketing is focused and analyzed using different concepts regarding price, place etc...Also the importance of promotion and distribution design was discussed.



Day 12: 22nd July 2017

Session 1: Panel Discussion by Vishal B Kadam (Fellow, KSUM), Shibin (EDII), Akhil (Fellow, KSUM), V S Sukumaran (EDII) & Sebin Sunny (SIMAT IEDC)



Session 2: Activity Plan Preparation by V S Sukumaran



Valedictory Function:

The valedictory function started with a silent prayer. Dr. C T George (Principal in charge, SIMAT) delivered the welcome address. Mr. Saneesh (Nodal Officer – Al AmeenEngg College), SayedMuhammedMushhoor (IEDC Nodal Officer-Cochin college of Engg) & Mr. Hithes P (AP-SIMAT) delivered their feedback on the FDP. The presidential address was delivered by Shri. P B Unni (Jt Secretary, Sreepathy Trust). Shri V S Sukumaran (Sr. Faculty, EDII) delivered the keynote address. Mr. Pratheesh (IEO, Pattambi) felicitated the event and Me. Sebin Sunny P (IEDC Nodal Officer) delivered the vote of thanks.



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Google Play App Excellence Summit 2017

App Excellence Summit was a one-day event that brought together android app developers looking to create quality Android apps for Indian users. At the event the latest platform updates, along with tips on building amazing app experiences for today's mobile-first users were shared by Google. Mr. Rejaneesh R (AP-EEE) & Mr. Sebin Sunny P (IEDC Nodal Officer, AP-EEE) represented SIMAT for the summit.

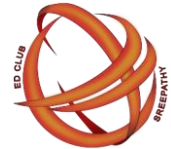
The summit started with a warm welcome by **Purnima Kochikar** (Director of Business Development, Google Play) followed by keynote address by **Rajan Anandan** (Vice President, India and SEA, Google). The next session was handled by **James Sanders** (Director, APAC, Google Play) & **Fergus Hurley** (Product Manager, Google Play). The session gave us an overview of the new features available with Google Play. The next session, "Bulding for Billions", was handled by **Kunal Soni** (Head of Business Development; SEA, IN & AU/NZ, Google Play). In this session, the need for developers and the vast opportunities for developers were showcased. The session followed was a panel discussion in which **Puneet Gupta** (Chief Operating Officer (News), Times Internet), **Anshuman Bapna** (Chief Product Officer, Make My Trip), **Mark Skaggs** (Director, Moonfrog: Bahubhali Fame) & **Byju Raveendran** (Founder and CEO, Byju's) shared their disruptive and innovative ideas which brought success to their startups.

After the lunch **Amrit Sanjeev** (Developer Advocate, Google) shared the new features in Android –O that can be adopted by developers for an outstanding app experience. The next session was focused on app needs of India which was handled by **Muzayun Mukhtar** (User Experience Researcher, Google) & **Olga Voronina** (Program Manager, Google Play). The tea break was followed by a session on "Using Firebase" by **Parul Soi** (Developer Relations Program Manager, Google).



There were many parallel sessions in the afternoon which we were not able to attend. All over the summit was a wonderful experience for us and we got a chance to meet the Google Play team.

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SIMAT/IEDC/2017/33

02/08/2017

Two Day Workshop in 3D Design

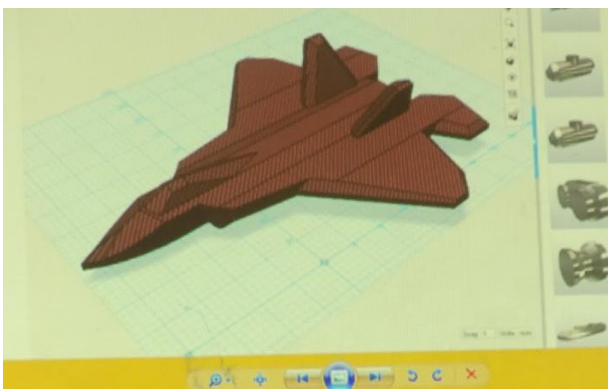
A two day workshop in 3D design was organized by IEDC in association with ME cluster and Dept. of EEE on 27th & 28th July 2017. The workshop was inaugurated by Prof. Praveen Kumar K (ME-HoD) on 27th July 2017. Mr. Sarang B Divakar (CEO, Future Bosses) and Mr. Renveer A R (CTO, Future Bosses) handled the different sessions. 3D design software's and different tools were familiarized during the workshop. 20 participants from different departments attended the workshop. 3D models were designed by all participants and best models were given prizes. Mr. Sarath K (AP-ECE) & Mr. Jayanthan K S (AP-CSE) coordinated the workshop.



3D Design Workshop Inauguration by
Prof. Praveen Kumar K (HoD-ME)



Best 3D Model – Prize Distribution by nodal officer



3D Models created by students



Workshop Participants

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SIMAT/IEDC/2017/32

02/08/2017

Palakkad EDC Meet 2017 (PEM 2K17)

A nodal officer's and 7 student coordinators holding the official position of IEDC of 13 colleges of Palakkad District was held on 2nd August 2017 at Ahalia school of Engineering And Technology, Palakkad, in association with Kerala Startup Mission (KSUM). The meet was inaugurated by Dr B G Vishnuram, Principal - Ahalia school of Engineering And Technology, which was followed by IEDC level activity presentations. Ajith Surya (CSE-2014 Batch) presented the activities of SIMAT IEDC. After the presentation Dr. Saji Gopinath (CEO, KSUM) addressed the students followed by an interactive session. Several schemes and student opportunities were discussed in that session. After lunch Akhil Madav, KSUM fellow, interacted with students and the programme concluded at 4.30PM. Mr. Sebin Sunny P (Nodal Officer, IEDC-SIMAT), Vishnu C V (EEE 2014 Batch), Ajith Surya (CSE, 2014 Batch), Abhiram M V (CE, 2014 Batch) & Nidhin (ME, 2014 Batch) attended the programme.



IEDC SIMAT Activity Presentation : Ajith Surya



Dr Saji Gopinath addressing the meeting

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SIMAT/IEDC/2017/34

11/08/2017

National-Level Workshop on “Popularisation of Remote Sensing-based Maps and Geospatial Information”

A National Level Workshop on “Popularisation of Remote Sensing-based Maps and Geospatial Information” jointly organized by Indian Society of Remote Sensing (ISRS) and Indian Space Research Organisation (ISRO) was conducted through online mode on August 11, 2017 (14:00-17:30 hrs.). 31 students attended the programme. Mr. Saneesh P (AP-CSE) & Mr. Janardhanan M K (P&T Officer) attended the workshop & Mr. Sebin Sunny P (AP-EEE) coordinated the workshop..



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Inception'18

A One Day Orientation Workshop, Inception'18, was conducted for IEDC student coordinators under KTU. The programme was inaugurated by Mr. Sarath K (AP-ECE) after the Independence day celebrations. The morning session was handled by Mr. Akhil Madhav, KSUM Fellow. In the morning session a general awareness on IEDC and events conducted under Kerala Start Up Mission was given. The afternoon session was handled by Mr. Sebin Sunny P (IEDC Nodal Officer). An overview on events conducted by SIMAT, IEDC facilities in our college were given. Activity planning and coordinator selection was done during the workshop. Coordinators from ECE (2016 Batch), EEE (2016 Batch) & CSE (2016 Batch) failed to attend the workshop. Seventeen student coordinators attended the workshop. Vishnu C V (CMO-EEE, 2015 Batch), Vidya K V (CFO-CE, 2016 Batch), Abhiram M V (COO-CE, 2015 Batch), Ajith M (CEO-ME, 2015 Batch), Nidhin M (CFO-ME, 2015 Batch), Renveer A R (CTO-ME, 2015 Batch) were awarded coordinator's certificate for the academic year 2016-17 during the workshop. Vidya K V delivered the vote of thanks.



**Mr. Akhil Madhav, KSUM Fellow,
Addressing the students**



**Vidya K V (CFO- CE Cluster) delivering
Vote of Thanks**

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Faculty Development Programme

A Laboratory course in

“Power electronics and Digital signal processing”

A two day workshop on “A Laboratory course in “Power Electronics and Digital Signal Processing”” was organized by Electronics and Communication engineering Department, Sreepathy Institute of Management And Technology, Vavanoor in association with IEDC-KSUM and PACE Labs, kochi for the Faculties and Research scholars on 10th and 11st August 2017 as a part of Faculty Development Programme.

The first day’s program started with an inaugural function at 9.15 am. With a silent prayer. **Prof.Sushma M**, HOD, Dept.of ECE, welcomed the gathering. The Hon. Chief guest **Dr. George C T**, Principal, Sreepathy Institute of Management and Technology, gave the inaugural address. **Mr. Sebin Sunny**, Nodal officer, IEDC, felicitated the inaugural function. Vote of thanks was proposed by **Ms. Anjali Anathan**, Asst. Professor, Department of Electronics and communication Engineering. Workshop session started at 9.30am by Mr. Mohamed Aslam, the resource person from PACE Labs. The sessions were held in the Communication systems lab, Electronics and Communication Engineering department.

In the first session, the resource person gave a brief introduction about the Concepts of Power electronics followed by Hands on training on different power electronics circuits with discrete components. In the afternoon session, Hands-on sessions, analysis of the circuits and how to wind the inductors of different values were discussed.

The second day’s sessions started at 9.30 am. The main thrust on the session was Digital signal processing using SIMULINK software .Hands on training, on DSP processor experiments with TMS320 C 2000 using Simulink coder, was included in the second day of FDP.

The two day workshop came to an end with an evaluation session followed by valedictory session. During which the feedback was taken from the participants .All of them expressed the full satisfaction of the participants over the session and thanked the Sreepathy Institute of Management And Technology for organizing such a useful and practical workshop. The valedictory function started at 3.30 pm. Prof. Sushma M welcomed the gathering.

A memento was presented to the resource person and certificate to the participants. **Mr. Sugesh M S**, Coordinator, Proposed the formal vote of thanks.



Inauguration of FDP



Hands on Session



FDP Participants

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SIMAT/IEDC/2017/37

19/08/2017

IEDC SUMMIT'17

The Innovation Entrepreneurship development centers are small incubators physically available at Engineering, Polytechnic, Management and Arts & Science colleges which promote Innovation and entrepreneurship from the college level. Kerala Startup Mission is supporting 193 IEDC across the state which helps the students to come up with innovative ideas and work within the IEDC and start their entrepreneurial journey.

IEDC Summit'17 witnessed the gathering of student representatives and IEDC nodal officers (3000+) from all IEDC's across the state. The programme was conducted on 19th August 2017 at Adlux International Convention Centre, Angamaly.

The event started at 9.30 AM after the registration. The event was inaugurated by Mr. M Sivasankar IAS (ITD Seretary, Kerala). Dr. Saji Gopinath (CEO, KSUM) presented the IEDC report. The keynote address was delivered by Dr. Kuncheria P Issac (VC KTU). Mr. Scott Obrien (CEO & Co Founder, Humense) felicitated the event. After the inaugural ceremony several sessions were conducted in parallel. Sessions included motivational talks, project exhibitions and start up expos. Several meet ups were conducted which included Hackster, Mozilla, Kerala Ruby Users Group, SV.Co , Facebook Developers etc. Our students managed to participate in different events and won bitcoins in the Bitcoin air drop.

In the afternoon session Sri Pinarayi Vijayan (Ho. CM, Kerala) addressed the students. The session was very much inspiring and motivational to the entire student community. Mr. Sebin Sunny P (IEDC Nodal Officer) , Sarath K (AP-ECE) and 11 students represented our college for the summit.



IEDC SUMMIT'17 Inauguration



SIMAT IEDC Members @ Summit Venue

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SIMAT/IEDC/2017/38

21/08/2017

ISRO Outreach Programme

The 23rd ISRO/IIRS Outreach programme commenced on 21st August 2017. The programme was inaugurated by **Dr. A. Senthil Kumar** (Director, IIRS, Dehradun). The inauguration was followed by a session for DLP coordinators which explained the course contents and A view software. The course on Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System started at 4.20 PM. The first class was handled by **Dr. A. Senthil Kumar** in which an overview of the course and history of ISRO was explained. SIMAT IEDC in association with Dept. of EEE hosted the event through video conferencing in the AEE Lab with the help of A View Software. The course will be concluded in December 2017. Mr. Ganesh P (HoD-CSE), Mr. Sreekanth M (AP-CE), Mr. Sarath K (AP-ECE) and seven students are attending the course. Mr. Sebin Sunny P Coordinated the event.



A visual of ISRO/IIRS Class room



ISRO/IIRS Outreach programme participants

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SIMAT/IEDC/2017/39

25/08/2017

FDP on Digital Fabrication Techniques (Fab Lab)

A two day Faculty Development Programme on “Digital Fabrication Techniques” was held at MES College of Engineering, Kuttipuram, on 24th and 25th August 2017. The programme was organized by FAB Lab and Innovation and Entrepreneurship Development Centre, MES. The first day started with an inaugural function which was chaired by the Director of MES DR. K P MOHAMMED.

In the hands on session, different software's like AUTOCAD, Rhinoceros, Cura and EAGLE were familiarized and designed prototypes using these software's. Then different machines like 3D Printer, Desktop Vinyl cutter, Laser cutter, Shopbot CNC milling Machine were familiarized and made some prototypes on these machines.

A Fabrication Laboratory (FABLAB) [www.fablabs.io] is a technical prototyping platform for innovation and invention. The FABLAB is a medium for connecting to a global community of Learners, Educators, Industry, Technologists, Researchers and Innovators. Fab Labs (digital fabrication laboratories) were set up to inspire people and entrepreneurs to turn their ideas into new products and prototypes by giving them access to a range of advanced digital manufacturing technology.

The FAB Lab is open to the public. Any innovator in Education (Staff and Student) and Industry can use the Fab Lab facility. **Mr. Narayanan K P** (Lab Instructor, Dept. of ECE) represented SIMAT IEDC in the Fab Lab Workshop.



FDP @ MESCE, Kuttipuram



FDP @ MESCE, Kuttipuram

Narayanan K P
Lab Instructor, Dept. of ECE
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SIMAT/IEDC/2017/40

30/08/2017

Expert Talk & Demo on
“Thin Film Solar Based Energy Source For Ornithopter's & MAV's”

An expert talk and demo presentation on **“Thin Film Solar Based Energy Source For Ornithopter's & MAV's”** was jointly organized by IEDC & CIRD (Center for Innovation Research & Development) on 30th August 2017 at CIRD Exhibit center. Dr. Madhavan K T (Head, R&D Dept. SIMAT) gave an expert talk on Unmanned Air Vehicles (UAV's), Micro Air Vehicle's (MAV's) & Ornithopter's. Mr. Dileepan V M (AP-EEE) & Mr. Sebin Sunny P (IEDC Nodal Officer) gave a demo of the solar powered Ornithopter, a HAL funded project. 25 students and 3 faculties attended the programme.



**Dr. K T Madhavan Presenting about
MAV's**



CIRD Exhibit Center

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YES Summit 2017

Young Entrepreneurs Summit (YES) is a flagship initiative aimed at instilling entrepreneurship in the minds of students and youth of Kerala. This novel venture by Kerala State Industrial Development Corporation (KSIDC) under the aegis of Industries Department, aims to establish God's Own Country as a vibrant destination of Start-up Entrepreneurs. The summit provided the ideal platform for prospective young / student innovators in the state to interact with successful Start-Ups, Venture Capitalists, Mentors in specific core competent sectors from across the country.

The third edition of Young Entrepreneurs Summit was held on **12th September 2017** at Cochin. The summit was titled as YES-3D, wherein the theme was Disrupt, Discover and Develop. (Disrupt an existing Process, Discover an alternate technology, Develop better product/ service). The event was held under the aegis of Industries department at **Le Meridian Convention centre Cochin**. The summit was inaugurated by Hon'ble Chief Minister, **Sri Pinari Vijayan**, in presence of Hon'ble Minister for Industries, **Sri A C Moideen**, and other senior Govt. officials.

At YES 3D parallel sessions was held in the following sectors

- ☐ Agro & Food Processing
- ☐ Sustainable Technologies
- ☐ Biotechnology/ Bio Medical
- ☐ Future Technologies

Each session had an expert, a successful start-up entrepreneur in that sector, a venture capitalist / angel who has funded a start up in that sector, and a session chair. These panelists shared their experience with young innovators in the state and open up doors of opportunities for them. A session on Start-Up India initiatives and schemes was also held as part of the summit where in senior officials from Start Up India team interacted with the Start Up aspirants in the State.

Mr. Sebin Sunny P (Nodal Officer, IEDC SIMAT), Jesvin Jayson C (EEE, 2015 Batch), Nithin T (EEE, 2015 Batch), Rahul R (ME, 2015 Batch) & Rakesh K P (ME, 2015 Batch) represented SIMAT in the YES 3D Summit.



SIMAT Deligates @ YES 3D Summit'17



YES 3D Inaugural Venue

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SIMAT/IEDC/2017/42

16/09/2017

Tinker Hub Leadership Camp 2017

TinkerHub a.k.a College Makerspace is an Open immersive place where people get together to Learn, Build and Collaborate to produce creative endeavors, enhance their skills and produce dynamic shared experiences. It is a community that harnesses a shared foundation of Technology and Knowledge to accelerate growth and Innovation. A co-working space where you have the freedom to explore your interests and passion, surrounded by friendly and intellectually curious peers and mentors. TinkerHub organized a one day camp for community leaders from campuses to run an innovation community in their campuses. The camp was held on 16th September, 2017 at CITITIC, CUSAT Kalamassery. Ajit Surya K (CSE, 2015 Batch) and Rakesh KP (ME, 2015 Batch) represented SIMAT at the event.

The event started at 9.30 AM after the registration. The ice breaker session was handled by **Arya Murali, Yatri at Jagriti Yatra**. Then **Sijo George Kuruvilla, Founder Chairman of Startup Village** delivered out a motivating speech on a world of possibilities. After that several community leaders from across Kerala - **Keerthana Krishnan (Google Summer of Code Scholar)**, **Syam (Co-Founder, BHub)**, **Praveen Sridhar (Machine Learning Expert)** and so several others shared their experiences and on how to create a sustainable innovation culture in the campuses. In the afternoon session **Mehar Moosa, KSUM Fellow** hosted a hands on session on how to create a Innovation Culture in the campus. The event proved out to be really productive and helped to gain knowledge on how to create an Innovation Culture in the campus.



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SIMAT/IEDC/2017/43

16/09/2017

India Innovation Challenge 2017

A presentation and registration training on India Innovation Challenge 2017 was conducted on 16th September 2017. India Innovation Challenge was organized by Texas Instruments in collaboration with Department of Science and Technology (DST), NSRCEL, Indian Institute of Management, Bangalore (IIMB) and supported by Govt. of India. The contest is open for all Indian engineering students pursuing undergraduate, postgraduate & Doctoral degrees with Indian engineering colleges. The presentation and training was organized by IEDC in association with Dept. of EEE. Mr. Sebin Sunny P (Nodal Officer, IEDC SIMAT) presented the details of the competition, basic eligibility criteria, contest structure and how to fill the application form.

Seven student groups from various departments participated the event and registered for the competition. Following are the projects registered for the competition.

1. Smart Pantry (Group Lead: Shibin A, EEE 2014 Batch)
2. Portable Incinerators (Group Lead: Mohammed Shanab V V, EEE 2014 Batch)
3. Desktop Organic Waste Decomposer (Group Lead: Vishnu S Menon, EEE 2014 Batch)
4. Manhole Savior (Group Lead: Jesvin Jayson C, EEE 2015 Batch)
5. Unauthorized Vehicle Entry Detection Device (Group Lead: Prathap S S, CSE 2015 Batch)
6. Smart Wheel Chair (Group Lead: Raneesh Babu, ME 2014 Batch)
7. Dust free duster (Group Lead: Renveer A R, ME 2015 Batch)



India Innovation Challenge participants



India Innovation Challenge Poster

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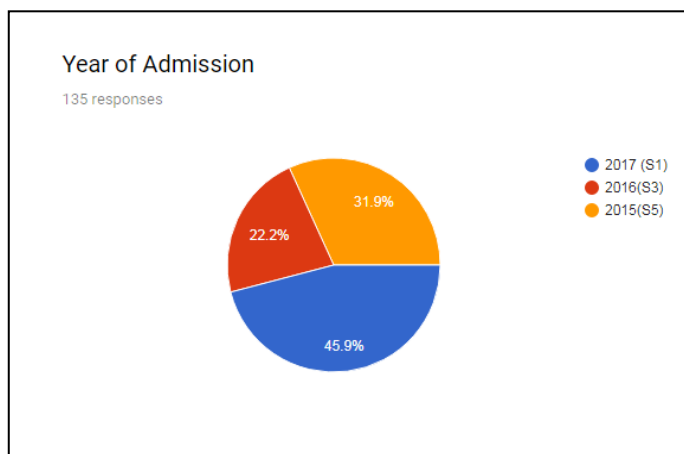
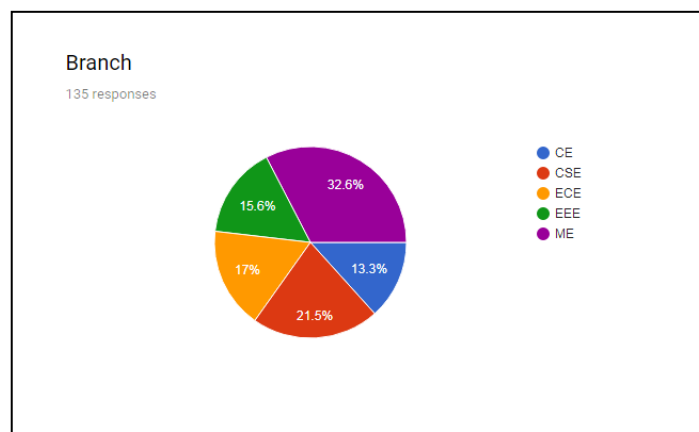
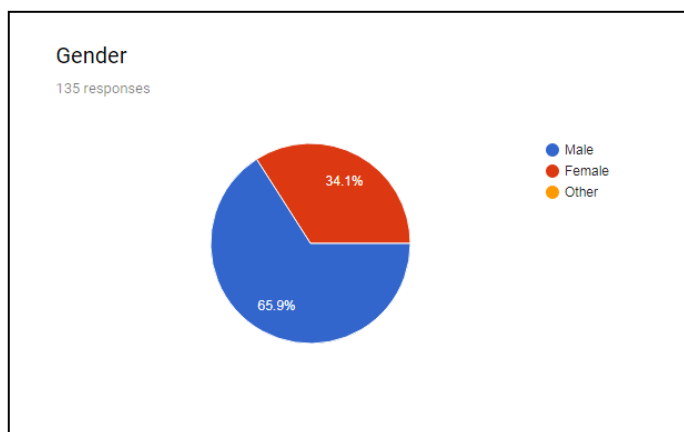


SIMAT/IEDC/2017/44

01/09/2017

Enrolment Campaign 2017

Innovation & Entrepreneurship Development Center (IEDC) membership enrollment campaign was conducted from 15th to 31st August 2017 among first year & second year students. The enrollment campaign started with the one day coordinator's orientation programme, Inception'18. Class wise and branch wise awareness on entrepreneurship & IEDC was given by nodal officer and IEDC Dept. Coordinators. Student coordinators carried out the campaign among second and third year students. 135 students newly enrolled to IEDC making the total strength to 350 students. Analysis of the enrollment is given below:



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SREEPATHY INSTITUTE OF MANAGEMENT AND TECHNOLOGY (SIMAT)

Vavanoor, Palakkad - 679 533



Innovation & Entrepreneurship Development Cell



SIMAT/IEDC/2017/45

27/09/2017

AANTHARYA'17

Innovation & Entrepreneurship Development Cell (IEDC) in association with IEEE SIMAT SB jointly organized the event - AANTHARYA'17 with 70 participants from engineering colleges all over Malabar region. The colleges mainly participated are LBS college of Engineering, Kasaragod, MES College of Engineering Kuttippuram, MEA Engineering College Perinthalmanna. The event was held at Sreepathy Institute of Management and Technology on 23 & 24 of September 2017.

The event provided sessions of prominent speakers and fun networking opportunities. The program started with a silent prayer at 10.00 AM on Sep 23rd, followed by the Code of Ethics by Deepak K.V (CSE, 2015 Batch), Welcome speech by Smitha G (IEEE SIMAT Student Branch Counselor). The event was inaugurated by Dr.George C.T (Principal-in-Charge, SIMAT). He emphasized the need of women empowerment and advised the students to dream and work for their career. The vote of thanks was delivered by Ayana.K.Sunil (CSE, 2015 Batch). The IEEE SIMAT SB members volunteered the event. The event details are listed below:-

DAY 1: [23rd September 2017]

11:00 am - 12:00 pm : Session # 1 - "Volunteer Training & IEEE" - Mr. Abey Easow Joseph, IEEE Young Professional Member

12:00 pm - 1:00 pm : Session # 2 - "Setting Your Goals" - Mr. Prasanth Parakuth, Corporate Trainer

2:00 pm - 4:00 pm : Session # 3 - Introduction to Quadcopter - Mr. Abraham George M, AiryTech Innovations

4:15 pm - 6:15 pm : Technical Games

6:15 pm - 8:15 pm : Culturals – Soulbeatz

DAY 2 : [24th September 2017]

9:30 am - 10:30 am : Session # 4- `OOPS....Freedom Encapsulated with Responsibility - Ms. Shani Sankar, Software Project Manager, Freelance Social Activist

11:00 am – 01:00 pm : Session # 5 – Team Building & Decision Making Skills - Rejaneesh R, Smitha G, Assistant Professor, EEE Dept, SIMAT

02:00 – 03:00 PM : Feedback & Photo Session



Participants



Mr. Abraham George M, AiryTech Innovations



Sebin Sunny P
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Innovation & Entrepreneurship Development Cell



SIMAT/IEDC/2017/46

30/09/2017

CNC Innovation Lab

The inauguration ceremony for the new CNC innovation lab was conducted on 30th September 2017. The official event was conducted in the seminar hall. The inaugural function started with a silent prayer. It was followed by the welcome address by Dr. George C T (Principal in charge, SIMAT). The presidential address was given by Mr. K H Parameswaran (Secretary, Sreepathy trust.). The inaugural address was delivered by Sri. N Santhakumar (Joint Director, Regional Directorate of Technical Education). Felicitation was given by Sri. K B M Namboothirippad (Chairman, Academic Council, SIMAT) and Mr. SebinSunny (Nodal Officer , IEDC). This was followed by the official inauguration by cutting the ribbon by Sri. N. Santhakumar. Mr. Praveen Kumar. K (HOD, ME) gave the vote of thanks.



**Inaugural address by Sri. N Santhakumar
(Joint Director, RDTE)**



Felicitation by Dr. K B M Namboothirippad

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SIMAT/IEDC/2017/47

30/09/2017

MSME Industrial Motivation Campaign

A one day Industrial motivation seminar was jointly organized by Innovation & Entrepreneurship Development Center (IEDC-SIMAT) in association with Ministry of Micro, Small & Medium Enterprises (MSME) on 29th September 2017. The inauguration of the one day session was conducted at 9.30 AM in the seminar hall. The programme started with a silent prayer. The welcome address was delivered by Prof. Thankachen P V (HoD-EEE, SIMAT). The presidential address was given by Sri. P V Velayudhan (Deputy Director, MSME Development Institute, Thrissur). Dr. George C T (Principal In charge, SIMAT) inaugurated the event. Sri. Pratheesh (IEO, Pattambi), Mr. Sebin Sunny P (IEDC, Nodal Officer SIMAT) & Mr. Janardhanan M K (Placement & Training Officer, SIMAT) felicitated the event. Mr. Meena (Asst. Director, MSME DI, Thrissur) delivered the vote of thanks.

The first session was a motivational talk delivered by Sri. Balan (Ex. MD of KELTRON, Kuttipuram) followed by a presentation of central government schemes by Sri. Peethambaram (MSME-DI). The afternoon session was handled by Mr. Akhil Madhav who gave a detailed scenario of current start up eco system in Kerala. The event came to an end at 4.00 PM



Mr. E K Meena (Asst. Director- MSME DI) delivering Vote of Thanks



Presidential address by Deputy Director, MSME DI

Sebin Sunny P

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Friday Tech Talk Series

The IEDC CSE Cluster of Sreepathy Institute of Management and Technology conducted the first edition of Friday TECH TALK Series on 6th of October 2017 during the afternoon session. The session was held at Programming Lab and was handled by Joel Philip (CSE, 2016 Batch). A total of 30 participants took part in the event; the event was volunteered by IEDC volunteers of CSE Cluster. The department coordinator Jayanthan was also present at the venue and he gave a brief idea about the working of IEDC and the importance of attending events outside. The tech talk focused on Jupyter Notebook environment. The Jupyter Notebook App is a server-client application that allows editing and running notebook documents via a web browser. The Jupyter Notebook App can be executed on a local desktop requiring no internet access (as described in this document) or can be installed on a remote server and accessed through the internet. In addition to displaying/editing/running notebook documents, the Jupyter Notebook App has a “Dashboard” (Notebook Dashboard), a “control panel” showing local files and allowing to open notebook documents or shutting down their kernels.



Tech Talk Series by Mr. Joel Philip (CSE, 2016 Batch)

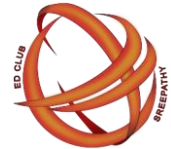
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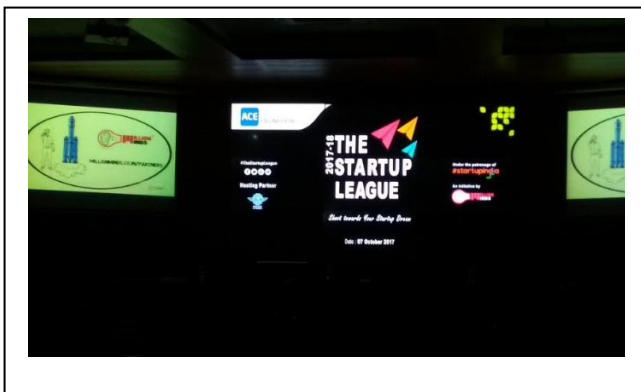


SIMAT/IEDC/2017/49

12/10/2017

Start Up India League

“The Startup League” was organized by Million minds, under the patronage of Startup India (A Govt. of India initiative), at ACE College of Engineering, Trivandrum on 7th October, 2017. The program was attended by a group of 5 IEDC members of SIMAT (Sanjay Sasikumar, Arun Rajan, Sanandu G Potty, Vishnu MD, Jithinprakash – CSE 2015 Batch students). The distinguished guests who addressed the program were Mr. Amarnath Shankar (CEO, CAT Entertainments), Mr. Kenney Jacob (CEO, Ayrus Data Marketing) and Mr. Amal Raj (CEO, Semilon Technologies). The other dignitaries who were present were Dr. Farrukh Sayeed (Principal, ACE College of Engineering) and Jazir S (Nodal Officer, IEDC ACE College of Engineering). The welcome speech was delivered by Dr. Farrukh Sayeed. The guests gave an individual, brief description about their experience of initiating a startup company. Later the program was concluded with a Question & Answer session regarding the possibilities of Startups in India and related matter.



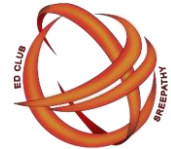
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SIMAT/IEDC/2017/50

15/10/2017

ICFOSS Women Hackathon

International Centre for Free and Open Source Software (ICFOSS) is an autonomous organization set up by the Government of Kerala and having the combined mandate of popularizing Free and Open Source Software for universal use, consolidating the early FOSS work done in Kerala and networking with different nations, communities and governments to collaboratively promote FOSS. ICFOSS conducted a residential camp program for college students of Kerala from 25th to 27th August 2017 which was a WOMEN HACKATHON event. Among 200 entries qualified 24 women students from all over Kerala were selected.

On the first day, event started at 09:30 AM at ICFOSS, Technopark, Thiruvananthapuram. First an interactive session by Aiswarya who is doing fellowship in ICFOSS, later basics & awareness on FOSS were described. DEBIAN installation, taken by Jithin sir from SPACE and then onto activity session like presentation & problem hacking.

On 26th August ,day rose with games, interactive session, studied about many uses of DEABIAN, its features, and how to use Debian smoothly. Afternoon session begun with a class about history of FOSS by ARUN sir, HR of ICFOSS, and then moved onto viewing a document, and later ended with skit performance by each group. And the final day, started with our view points about today's society and we splitted into 3 groups such that there were 3 resource people who took 3 different subjects-Machine Learning, Web Designing, Android App Development. The HACKATHON program ended with feedback session and gifts.



Students @ ICFOSS Hackathon



ICFOSS Women Hackathon

IEDC SIMAT Participants

- 1. Roopasree Mohan (CSE, 2015 Batch)**
- 2. Navya T (CSE, 2015 Batch)**

Sebin Sunny P

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Career Development Seminar

A seminar on Career development and opportunities was jointly organized by IEDC & Dept. of EEE for final year students on 21st October 2017. The session was inaugurated by Prof. Thankachen P V at 1.00 PM in the seminar hall. The session on career development and opportunities was handled by Mr. Jomy P L (IMS Learning Solutions, Thrissur). The talk started with the need of GATE exam and its possibilities followed by the opportunities in the Engineering higher education sector in and abroad India. Opportunities of non engineering courses like MBA also were discussed. The last session of the seminar focussed on preparation for GATE exam. The pattern and relevance of aptitude and engineering mathematics were focussed in the last session.



Inaugural Address by Prof. Thankachen P V



Session by Mr. Jomy P L

Sebin Sunny P

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Speak For Kerala/India Debate Competition

Mathrubhumi along with Federal Bank organized the block level selection of inter-collegiate debate competition called “Speak for India – Kerala Edition 2017” at Sreepathy Institute of Management And Technology in the college auditorium on 24th October 2017. The event was inaugurated by Mr. P R Sasi (Sr. Manager, Federal Bank, Pattambi). Prof. Thankachen P V (HoD, EEE) delivered the presidential address. Around 60 participants attended the competition out of which 25 students were external participants. SIMAT IEDC coordinated the programme.

ഫെഡറൽ ബാങ്ക് സ്പീക്ക് ഫോർ ഇന്ത്യ സംവാദമത്സരം നടത്തി

പട്ടാമ്പി : ഫെഡറൽ ബാങ്കും മാതൃഭൂമിയും സംഘടിപ്പിക്കുന്ന സ്പീക്ക് ഫോർ ഇന്ത്യ സംവാദമത്സരം വാവനൂർ ശ്രീപതി ഇൻസ്റ്റിറ്റ്യൂട്ട് ഓഫ് മാനേജ്മെന്റ് ആൻഡ് ടെക്നോളജിയിൽ നടന്നു. ഫെഡറൽബാങ്ക് സീനിയർ മാനേജരും പട്ടാമ്പി ശാഖാ മേധാവിയുമായ പി.ആർ. ശശി ഉദ്ഘാടനം ചെയ്തു. ശ്രീപതി കോളേജ് പ്രിൻസിപ്പൽ ഇൻ-ചാർജ് പ്രൊഫ. പി.വി. തങ്കച്ചൻ മുഖ്യാതിഥിയായി. മാതൃഭൂമി റെഡ് മൈക്കിന്റെ നേതൃത്വത്തിലാണ് സംവാദമത്സരം നടത്തുന്നത്. ബുധനാഴ്ച



വാവനൂർ ശ്രീപതി ഇൻസ്റ്റിറ്റ്യൂട്ട് ഓഫ് മാനേജ്മെന്റ് ആൻഡ് ടെക്നോളജിയിൽ നടന്ന സ്പീക്ക് ഫോർ ഇന്ത്യ പരിപാടി ഫെഡറൽ ബാങ്ക് സീനിയർ മാനേജർ പി.ആർ. ശശി ഉദ്ഘാടനം ചെയ്യുന്നു



അക്കിക്കാവ് റോഡൽ കോളേജ് ഓഫ് എൻജിനീയറിങ് ആൻഡ് ടെക്നോളജിയിൽ സ്പീക്ക് ഫോർ ഇന്ത്യ സംവാദമത്സരം നടക്കും. പങ്കെടുക്കാനാഗ്രഹിക്കുന്നവർ രാവിലെ ഒമ്പതരയ്ക്ക് കോളേജിലെത്തണം. കോളേജ്

തിരിച്ചറിയൽ കാർഡുമാ യെത്തി സ്പോട്ട് എൻട്രിയും എടുക്കാവുന്നതാണ്. രജിസ്ട്രേഷൻ സൗജന്യമാണ്. ഒരു കോളേജിൽനിന്ന് പങ്കെടുക്കാവുന്ന വിദ്യാർത്ഥികളുടെ എണ്ണത്തിന് നിയന്ത്രണമില്ല. ഫോൺ: 9895031245.



Presidential Address by Prof. Thankachen



Inaugural Address

Sebin Sunny P
Innovation & Entrepreneurship Development Center (IEDC) Nodal Officer
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SIMAT/IEDC/2017/53

25/10/2017

Indo Israel Innovation Challenge 2017

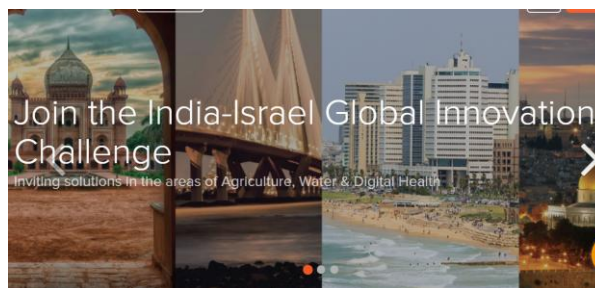
A presentation and registration training on Indo Israel Innovation Challenge 2017 was conducted on 25th October 2017. Indo Israel Innovation Challenge was organized by Start Up India supported by Govt. of India. The contest is open for all engineering graduates and students pursuing undergraduate, postgraduate & Doctoral degrees with Indian engineering colleges. The presentation and training was organized by IEDC in association with Dept. of EEE. Mr. Sebin Sunny P (Nodal Officer, IEDC SIMAT) & Mr. Sarath K (Ap-ECE) presented the details of the competition, basic eligibility criteria, contest structure and how to fill the application form.

Six student groups from various departments participated the event and registered for the competition. Following are the projects registered for the competition.

1. Precision Farming using Remote Sensing & Hyper Spectral Imaging (Group Lead: Prathap S S, CSE 2015 Batch)
2. Low cost Portable Drinking Water Generator (Group Lead: Pravin O V, EEE 2015 Batch)
3. Modern farming techniques using IoT (CSE 2017 Batch)
4. Remote health Monitoring system (Group Lead: Shanil E P, EEE 2015 Batch)
5. GPS Tracker for Alzheimer's Patients (Group Lead: Akshay Narayanan, ECE 2015 Batch)
6. Rain Water Harvesting using Perforated Concrete (Group Lead: Sreelakshmi, CE 2014 Batch)



Presentation by Nodal Officer



Indo Israel Innovation Challenge 2017

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SIMAT/IEDC/2017/54

30/10/2017

FOSS Weekend

SIMAT IEDC (Innovation & Entrepreneurship Development Center) conducted a 3 day event in association with ICFOSS (International Center for Free & Open Source Software) and Dept. of CSE from 26th to 28th October 2017. The 3 day programme was inaugurated on 26th October 2017 by Prof. Thankachen P V (Principal Incharge, SIMAT). The inaugural event started with a silent prayer. Mr. Sebin Sunny P (IEDC Nodal Officer) delivered the inaugural speech which was presided by a programme overview by Mr. Jyothis K P (FOSS Coordinator, SIMAT). Prof. Thankachen P V inaugurated the programme and in his inaugural speech he stressed the importance of open source software's. Prof. Ganesh P (HoD, CSE) felicitated the event. Mr. Jishnu Prakash K P (Student coordinator, FOSS SIMAT) delivered the vote of thanks.



Inaugural Address by Prof. Thankachen P V



Vote of Thanks by Mr. Jishnu Prakash

The following resource persons handled the session.

1. Mr. Manu Madhavan, Research scholar, NIT Calicut, Major Areas of Research includes Bioinformatics, Natural Language Processing, Data Mining, Machine Learning
2. Mr. Vinay Prakash, Open source enthusiast, wide experience in Linux Kernel optimization, proven track record in conducting Linux awareness programs in regional level. (FOSS Club, SIMAT)
3. Miss. Amrutha Sethu, Intelligent computation expert involved in research activities that has tremendous effect in society. (FOSS Club, SIMAT)
4. Mr. Sanjay, A novice programmer has a substantial knowledge in futuristic technology spectrum. (FOSS Club, SIMAT)

5. Mr.Saneesh P.S. , Asst. Professor (Dept. of CSE)// System administrator in SIMAT who has an immense knowledge in computer networking and soft computing
6. Mr. Jyothis K P, Asst. Professor (Dept. of CSE)/FOSS Coordinator, SIMAT.

Day -1 (26-10-2017)

Session I:

The session started with awareness on FOSS technologies. The talk was delivered by Mr. Jyothis K P (Asst. Professor, Dept. of CSE, FOSS Coordinator).

Session II:

In second session Mr. Vinay Prakash, an Open source enthusiast, conducted hands on workshop on Linux customization with one of his favorite distribution Linux Mint. It is a community-driven Linux distribution based on Debian and Ubuntu that strives to be a "modern, elegant and comfortable operating system which is both powerful and easy to use."Linux Mint provides full out-of-the-box multimedia support by including some proprietary software and comes bundled with a variety of free and open-source applications.

He explained the way of installing our favorite software in existing Linux distributions and creating a custom linux distribution.

Day -2 (27-10-2017)

Day 2 was packed with 3 different sessions on Machine Learning, Artificial Neural Networks & Augmented Reality.

Session I:

Mr. Manu Madhavan (Research Scholar, NIT C) delivered an expert talk on Machine Learning. In his talk he discussed the basic concepts and opportunities of Machine Learning. Also he stressed the need and importance of Python in Machine Learning.



Session II:

Miss. Amrutha Sethu, handled a session on Evolution of 'Artificial Neural Networks'. Artificial neural networks (ANNs) or connectionist systems are computing systems inspired by the biological neural networks that constitute animal brains. Such systems learn (progressively improve performance) to do tasks by considering examples, generally without task-specific programming.

Session III:

The Day-3 started with Augmented Reality by Mr.Sanjay. Augmented reality (AR) is a live direct or indirect view of a physical, real-world environment whose elements are "augmented" by computer-generated or extracted real-world sensory input such as sound, video, graphics, haptics or GPS data. It is related to a more general concept called computer-mediated reality, in which a view of reality is modified (possibly even diminished rather than augmented) by a computer. Augmented reality enhances one's current perception of reality, whereas in contrast, virtual reality replaces the real world with a simulated one. Augmented reality is used in order to enhance the experienced environments or situations and to offer enriched experiences.

Day -3 (28-10-2017)

Mr. Saneesh P.S. conducted hands on training session for the faculty members and students from different departments on LaTeX. LaTeX is widely used in academia for the communication and publication of scientific documents in many fields, including mathematics, statistics, computer science, engineering, chemistry, physics, economics, linguistics, quantitative psychology, philosophy, and political science. It also has a prominent role in the preparation and publication of books and articles that contain complex multilingual materials.



ICFOSS

FOSS WEEKEND

Dear Sir/Madam

We are happy to inform you that a three day event on Free & Open Source Awareness programmes jointly organized by ICFOSS, IEDC & Dept. of CSE, SIMAT, is scheduled on 26th, 27th & 28th October 2017 at Sreepathy Institute of Management And Technology

Inviting you all for this programme

IEDC Nodal Officer

FOSS Coordinator

EVENT SCHEDULE

Day 1 (26/10/2017)

Venue : Seminar Hall, SIMAT

Inauguration : 9.30 AM

Session I (10-12.30PM) : Awareness on FOSS Technologies

Mr. Jyothis K P (FOSS Coordinator, SIMAT)

Session II (1.30-4.00PM): GNU/Linux Customization & Installation

Vinay Prakash (Catalia Labs, SIMAT)

Day 2 (27/10/2017)

Parallel Sessions

Session I (9.30-4.00 PM) : Machine Learning Tools

Mr. Manu Madhavan (Research Scholar, NITC)

Session II (9.30-4.00 PM) : Artificial Neural Network

Session III (9.30-4.00 PM) : Augmented Reality Tools

Day 3 (28/10/2017)

Session III (9.30-4.00 PM) : Hands on LaTeX

Mr. Saneesh P (AP-CSE, SIMAT)



ICFOSS

FOSS WEEKEND

26th, 27th & 28th October 2017

Sreepathy Institute of Management And Technology
Vavanoor, Palakkad - 679533

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SIMAT/IEDC/2017/55

05/11/2017

Workshop on Machine Learning using Python

SIMAT IEDC (Innovation & Entrepreneurship Development Center) conducted a one day workshop on Machine Learning using Python in association with ICFOSS (International Center for Free & Open Source Software) and Dept. of CSE on 4th November 2017.

Mr. Manu Madhavan, Research scholar, NIT Calicut, handled the day with Machine Learning with Python. He gave an insight to NumPy, SciPy, Pandas.

NumPy is a collection of software specifically designed for scientific computing in Python (do not confuse with SciPy library, which is part of this stack, and the community around this stack). This way we want to start with a look at it. However, the stack is pretty vast, there is more than a dozen of libraries in it, and we want to put a focal point on the core packages (particularly the most essential ones).

SciPy is a library of software for engineering and science. Again you need to understand the difference between SciPy Stack and SciPy Library. SciPy contains modules for linear algebra, optimization, integration, and statistics. The main functionality of SciPy library is built upon NumPy, and its arrays thus make substantial use of NumPy. It provides efficient numerical routines as numerical integration, optimization, and many others via its specific submodules. The functions in all submodules of SciPy are well documented—another coin in its pot.

Pandas is a Python package designed to do work with “labeled” and “relational” data simple and intuitive. Pandas is a perfect tool for data wrangling. It designed for quick and easy data manipulation, aggregation, and visualization.



Mr. Manu Madhavan handling workshop





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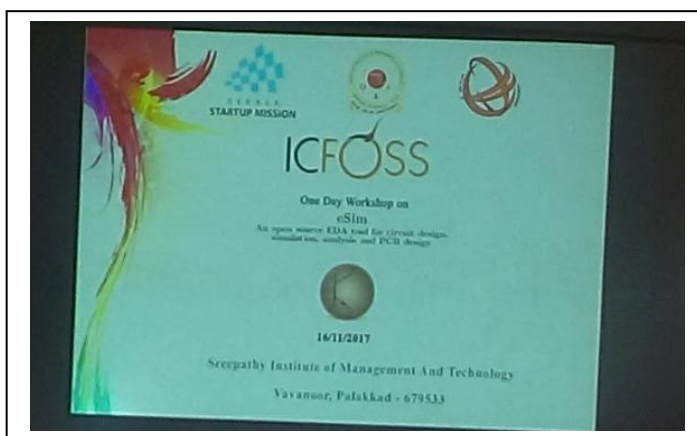
SIMAT/IEDC/2017/56

17/11/2017

Workshop on e-Sim

SIMAT IEDC (Innovation & Entrepreneurship Development Center) conducted a one day workshop on e-Sim in association with ICFOSS (International Center for Free & Open Source Software) and Dept. of EEE on 16th November 2017. e-Sim (previously known as OScad / FreeEDA) is an open source EDA tool for circuit design, simulation, analysis and PCB design. It is an integrated tool built using open source software such as KiCad and Ngspice. eSim is released under GPL. eSim offers similar capabilities and ease of use as any equivalent proprietary software for schematic creation, simulation and PCB design, without having to pay a huge amount of money to procure licenses. Hence it can be an affordable alternative to educational institutions and SMEs. It can serve as an alternative to commercially available/ licensed software tools like OrCAD, Xpedition and HSPICE.

The workshop was inaugurated by Prof. Thankachen P V on 16th November 2017. Mr. Sebin Sunny P (Assistant Professor, Dept. of EEE), Ms. Sangeetha K (Asst. Prof, Dept. of EEE) & Mr. Suhas K N (Lab Instructor, Dept. of EEE) handled the workshop. The workshop started with an introduction to EDA tools (Electronic Computer Aided Design). Students were given a basic idea about free and open source software's commonly used in circuit simulation and design during this session. The hands on training session started with introduction to the basic concepts like project creation, schematic creation, net list preparation and simulation steps. Students were given different circuits like rectifiers, regulators, amplifiers, operational amplifiers, oscillators, timer circuits etc and they were given the basic knowledge to draw the circuit, analyze the circuit and simulate the circuit. Also the students were familiarized with reading the input and output waveforms from the e-Sim software.



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