

**3.2.2 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years**

Sl.No	Name of Activity	Date	No.of Students
1	VTU-FAFSIP 2022	30/06/2022	76
2	Navadhara	10/6/2022	82
3	Smart India Hackathon	4/5/2022	30
4	Intellectual Property Rights	16/07/2022	140
5	Session on "How to Plan for Start-up and Legal & Ethical Steps"	20/6/2022	80
6	Agile Software Development	26-05-2021	100
7	Patents,Intellectual Property Rights & Ethics	17-12-2019	40
8	Python Programming with Selenium	12/09/2019 to 13/09/2019	60
9	Android APP Development for Embedded System	4/4/2019 to 5/4/2019	52
10	Programmable Logic Controller	2/3/2019	72
11	IoT & Its Application	12/11/2018 to 13/11/2018	76
12	Embedded System Design And Design & Development Of PCB	5/3/2018 to 7/3/2018	55
13	Entrepreneurship Development	16-02-2018	94
14	Introduction to Graphical System Programming using LabVIEW	5/2/2018 to 6/2/2018	22



# Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the State Legislative VTU Act, 1994)

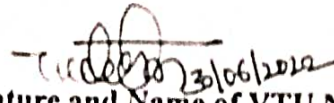
"Jnana Sangama" Belagavi - 590018, Karnataka State, India

TelePhone: (0831) 2498112, Fax: (0831) 2405467, Website: vtu.ac.in

## Financial Assistance for Final year Students Innovative Projects for the year 2021-22

### Non-Disclosure Form

I Dr. Venkatesha M working as Associate Professor in the department of Electronics & Communication Engineering at Sai Vidya Institute of Technology will attend the Students Projects Selection Committee Meeting organized by S.E.A. College of Engineering & Technology on Thursday, 30<sup>th</sup> June 2022 through offline and solemnly declare that, I will not disclose any information about Idea/Design/Statistics/Literature or any information related to Students Innovative Projects presenting in the meeting.

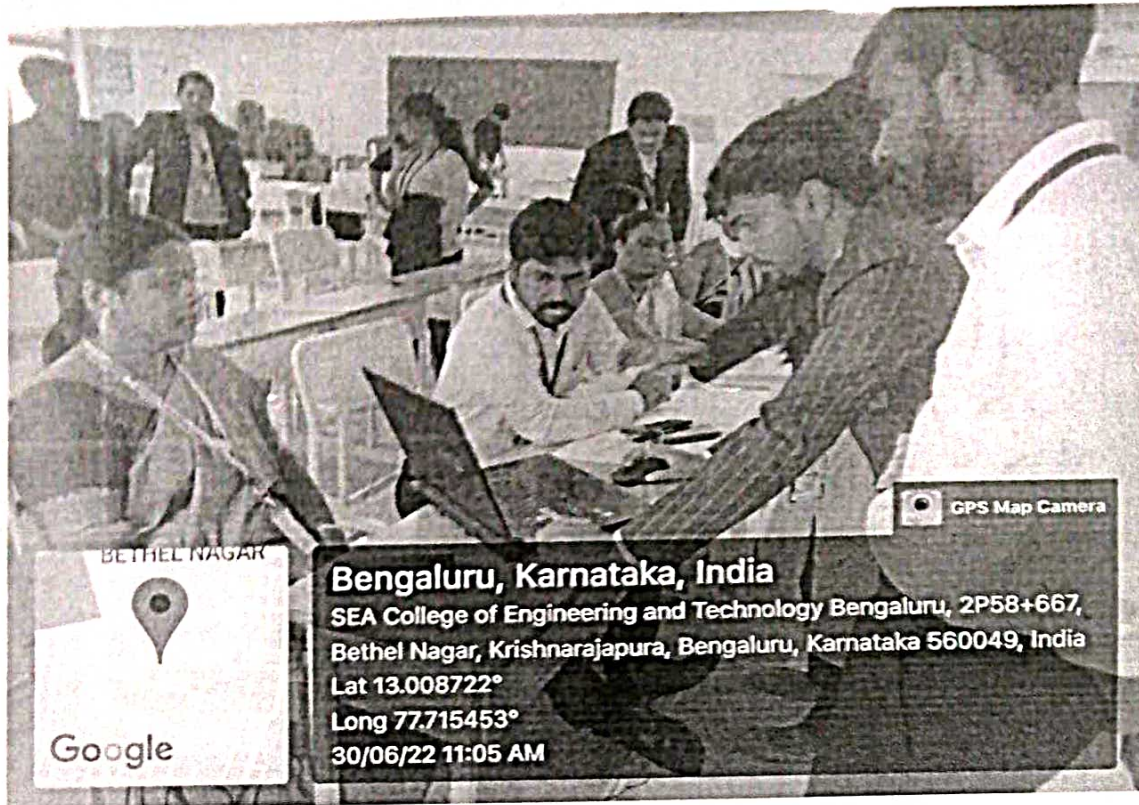
  
Signature and Name of VTU Nominee

Dr. Venkatesha M,  
Associate Professor, Department of ECE,  
Sai Vidya Institute of Technology.

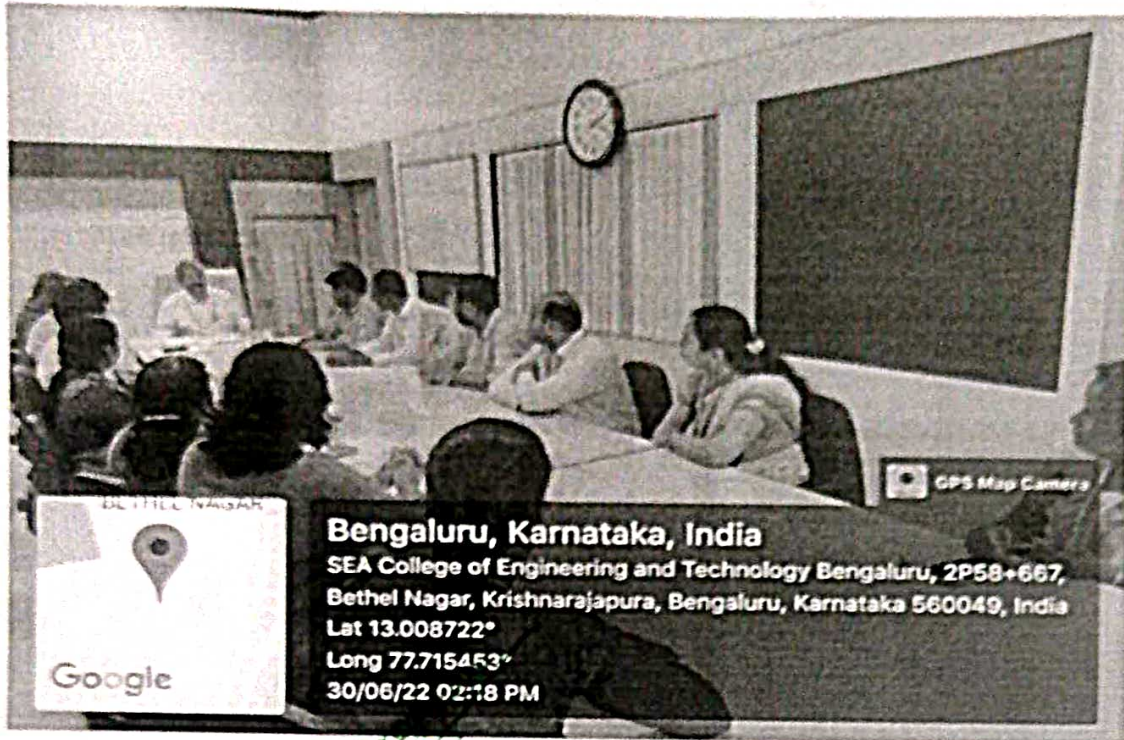
  
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SEA College of Engineering & Technology  
Ekta Nagar, Basavanapura, Virgonagar Post  
BANGALORE - 560 049



## VTU Best Project Selection



*[Signature]*  
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BANGALORE - 560 049



**Bengaluru, Karnataka, India**

SEA College of Engineering and Technology Bengaluru, 2P58+667,

Bethel Nagar, Krishnarajapura, Bengaluru, Karnataka 560049, India

Lat 13.008722°

Long 77.715453°

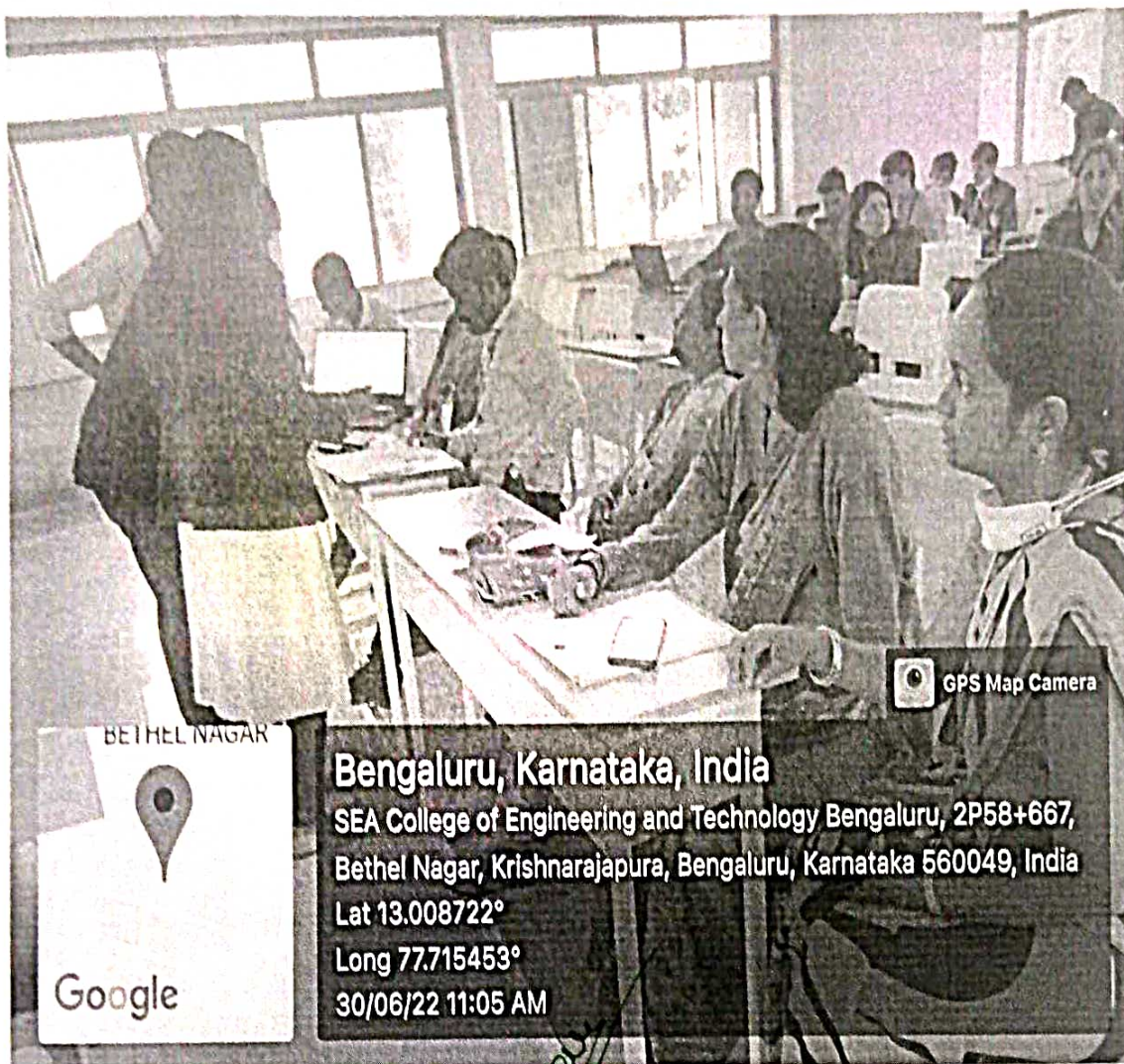
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*Signature*  
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Ekta Nagar, Basavanapura, Virgonagar Post  
**BANGALORE - 560 049**









*[Signature]*  
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Ekta Nagar, Basavanapura, Virgonagar Post  
BANGALORE - 560 049





# S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY

Ekta Nagar, Near Ayyappa Nagar Circle, Devasandra Main Road,

K.R.Puram, Virgonagar Post, Bangalore-560049, Karnataka, INDIA

Email: seaeduinfo@seaedu.ac.in Website: www.seaedu.ac.in Ph: 080 29730681

Date: 30/06/2022

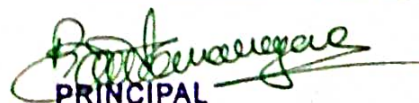
## Proceedings of the Final Year Innovative Project Selection Committee -2022 for Financial Assistance from VTU

As per the discussion with HODs and scheduled, vide circular dated 22<sup>nd</sup> June 2022, Final Year Project Selection Committee has been held today 30<sup>th</sup> June 2022 from 10AM to till 4 PM. All the engineering department students have participated in the Project Exhibition as follows:

S.No	Departments	No.of Projects Presented
1	CSE	5
2	ISE	4
3	ECE	4
4	MECH	4
5	CIVIL	4
TOTAL		21

During the Proceedings 2 projects have been selected from each department as follows

Sl. No	USN	Project Group Members	Title Of The Project	Project Guide
COMPUTER SCIENCE & ENGINEERING DEPARTMENT				
1	ISP17CS024	Goka Kiran VenkataAnusha	Smart Spying Robot With IR Thermal Vision Using IOT	Prof.Jayashri
	ISP18CS063	SathyajitDhani		
	ISP18CS066	Shashikala G		
	ISP18CS070	Smitha K		
2	ISP18CS027	HemanthKumar.S	Smart City For Furture : Design Of Data Acquisition Method Using Threshold Concept technique	Prof.Bhuvaneswari
	ISP18CS045	Naveen.T.S.		
	ISP18CS047	PavanKumar.G.R		
	ISP18CS084	Dinesh Kumar.A		
INFORMATION SCIENCE & ENGINEERING DEPARTMENT				
1	ISP18IS004	Muskan Taj	Flipping the Computer Page by Eye	Prof.Amit Kumar
	ISP18IS006	Rajesh		
	ISP18IS012	Vishal Reddy		
2	ISP17IS019	Varun Kumar S	Secured Data Transmission for IOT Based WSN	Prof.Sumitha Udaikumar
	ISP17IS008	Mayank Singh		

  
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K.R.Puram, Virgonagar Post, Bangalore-560049, Karnataka, INDIA

Email: seaeduinfo@seaedu.ac.in Website: www.seaedu.ac.in Ph: 080 29730681

	ISP17IS009	Mohammed Mustafa Husen		
Sl. No	USN	Name of the Student	Title Of The Project	Name Of The Guide
ELECTRONICS & COMMUNICATION ENGINEERING				
1	ISP18EC005	Krishna S Kulkarni	IoT based Soalr Tracking using node MCU and Monitoring using BLYNK	Dr.P.Hosanna Princeye
	ISP18EC006	Manoj H R		
	ISP18EC008	Pradeep S		
	ISP18EC027	Shwetha G		
2	ISP18EC003	Devaraja N	Ultraviolet Sterlization Robot for disinfection	Prof.Revathi K
	ISP18EC007	Naresh Khadka		
	ISP18EC011	Tejaswini		
CIVIL ENGINEERING				
1	ISP18CV011	Prasad K P	Experimental Study on Self Consolidating Geopolymer Concrete Based on GGBFS Fly Ash, Accofine	Mr.Nishanth L
	ISP18CV018	Sudhakar K		
	ISP18CV004	Darshan Nandan G R		
	ISP18CV003	Chetan Yadav G		
2	ISP18CV011	Irom Rojit Singh	Experimental Study on Partially Replacement of Coarse Aggregate By Recycled Coarse Aggregate	Mr. R Vaishnu Kumar
	ISP18CV011	Kriti Kumar		
	ISP18CV011	Ronal Khaidem		
	ISP18CV011	Wangkheimayum Richu		
MECHANICAL ENGINEERING				
1	ISP17ME003	Anand Raj	Performance and Emission Characteristics of Mahua Bio-Diesel	Prof.Kubergouda S B
	ISP17ME020	Sai Surendra		
	ISP17ME023	Krishna Chaithanya		
	ISP18ME008	Keerthan Kumar G		
2	ISP18ME019	Sowmiya Varsha	Conversion of Exhaust Heat From IC Engine to Electric Power by using TEG	Prof.Rajesh N
	ISP18ME015	Rashmi R Sulakhe		
	ISP18ME006	Hafizur Rehaman		
	ISP18ME001	Alan George Silva		

Note: Individual Department Proceedings have been enclosed

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K.R.Puram, Virgonagar Post, Bangalore-560049, Karnataka, INDIA

Email: seaeduinfo@seaedu.ac.in Website: www.seaedu.ac.in Ph: 080 29730681

Based on the collective decision of all the department HODs, Subject Experts and VTU Nominee, the committee has decided the following project as the Best Project for VTU State Level Project Exhibition

Sl. No	USN	Project Group Members	Title Of The Project	Project Guide
COMPUTER SCIENCE & ENGINEERING DEPARTMENT				
1	ISP17CS024	Goka Kiran Venkata Anusha	Smart Spying Robot With IR Thermal Vision Using IOT	Prof. Jayashri
	ISP18CS063	Sathyajit Dhani		
	ISP18CS066	Shashikala G		
	ISP18CS070	Smitha K		

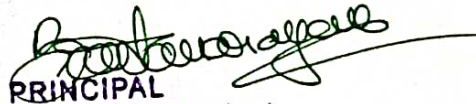
  
28/06/2022  
Dr. Venkatesha M

Associate Professor, Dept. of ECE,  
Sai Vidya Institute of Technology  
VTU NOMINEE



Dr. B. Venkata Narayana  
PRINCIPAL,

S. E.A. College of Engineering & Technology

  
PRINCIPAL

SEA College of Engineering & Technology  
Ekta Nagar, Basavanapura, Virgonagar Post  
BANGALORE - 560 049





# S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY

Ekta Nagar, Near Ayyappa Nagar Circle, Devasandra Main Road,

K.R.Puram, Virgonagar Post, Bangalore-560049, Karnataka, INDIA

Email: scaeduinfo@seaedu.ac.in Website: www.seaedu.ac.in Ph: 080 29730681

Name	Designation	Role	Signature
Dr. B.Venkata Narayana	Principal	Chairperson	
Dr.B.Loganayagi	HOD, CSE	Member	
Prof. Jayakumar B L	Subject Expert 1 , Department of CSE	Member	
Prof. Sukesh H A	Subject Expert 2 , Department of CSE	Member	
Prof. N.Gayathri	HOD, ISE	Member	
Prof.SumithaUdaikumar	Subject Expert 1 , Department of ISE	Member	
Prof.MuniPrasanthi	Subject Expert 2 , Department of ISE	Member	
Dr.Pradeep Kumar N S	HOD, ECE	Member	
Dr. Hosanna Princye	Subject Expert 1 , Department of ECE	Member	
Dr. Cynthia Anbuselvi	Subject Expert 2 , Department of ECE	Member	
Dr. Suresha P	HOD, Mech	Member	
Prof. Manjunath K	Subject Expert 1 , Department of Mech	Member	
Prof. Rajesh N	Subject Expert 2 , Department of Mech	Member	
Prof.Nishanth L	HOD, Civil	Member	
Prof.M.Angeline Mary	Subject Expert 1 , Department of Civil	Member	
Prof.RRamya	Subject Expert 2 , Department of Civil	Member	
Dr. Venkatesha M	VTU Nominee, Professor, Dept. of ECE, Sai Vidya Institute of Technology	Member	

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BANGALORE - 560 049



**S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY**  
Ektanagar, Basavanapura, Virgonagar Post, (K.R.Puram) BANGALORE-560049



**THE MANAGEMENT, PRINICIPAL, STAFF & STUDENTS  
OF CSE DEPARTMENT**

**CORDIALLY INVITE YOU FOR THE INAUGURATION  
Of  
"NAVADHARA-2022"**

**On 10<sup>th</sup> JUNE 2022  
TIME : 9.00 a.m. to 4.00 p.m.  
Venue: CSE & ISE Seminar Hall**

**Smt. Manjula Krishnappa  
(Chairman, S.E.A. Group of Institutions)  
Will Preside over the function**


**Mr. D.T. Srinivasa  
(Secretary, S.E.A. Group of Institutions)**

**Smt. K. Poornima Srinivasa  
(MLA- Hiriyur & Corporator-BBMP, Ward No.52, K.R.Puram,  
Treasurer & CEO, S.E.A. Group of Institutions)**

**Smt. K. Anupama  
(Joint Secretary, S.E.A. Group of Institutions)**

**Dr. B. VENKATA NARAYANA  
(Principal, S.E.A. College of Engg. & Tech)**

**Dr. B.LOGANAYAGI.  
(HOD, CSE, SEACET & Organizing Chair)**

  
**PRINCIPAL**  
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Ekta Nagar, Basavanapura, Virgonagar Pcs:  
BANGALORE - 560-049






**SEA COLLEGE OF ENGINEERING & TECHNOLOGY**  
EKTA Nagar, Near Ayyappanagar Circle, Devasandra Main Road,  
Virgonadar Post, K. R. Puram, Bangalore -560049


**SEACET –NAVADHARA- 2022 (Intra College Project Exhibition- in Association with IIC) Report**

**ABOUT THE EVENT:**

SEACET – NAVADHARA -2022 was conducted in SEA COLLEGE OF ENGINEERING & TECHNOLOGY on 10/06/2022. As per MHRD's Institution's Innovation Council directive, a technical team comprises of all the HODs along with our chief guest Joint Secretary Madam as judges to evaluate the idea solution and its implementation and other parameters to specific problem statements demonstrated by several competing teams of our Engineering students and select the top teams for best project awards in each stream .



**S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY**  
AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY & APPROVED BY ALL INDIA COUNCIL OF TECHNICAL EDUCATION (AICTE)  
Ekta Nagar, A. Krishnappa Circle, Ayyappanagar  
Devasandra Main Road, Virgo Nagar Post, K.R. Puram, Bangalore - 560 049.




Sri A. Krishnappa  
Founder Chairman  
S.E.A Group of Institutions

**Dept. Of CSE/ISE/AIML/IOT**  
**Organizes**  
**NAVADHARA - 2022**  
**(Intra College Project Exhibition - in Association With IIC)**

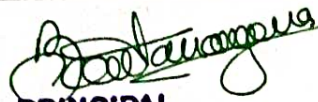
**Date : 10-06-2022**  
**Time : 9 am to 4 Pm**  
**Venue : CSE, ISE Labs & Seminar Hall**



INSTITUTION'S INNOVATION COUNCIL  
(Ministry of HRD Initiative)



MHRD'S INNOVATION CELL  
(GOVERNMENT OF INDIA)

  
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BANGALORE - 560 049



Each team had a minimum of 2 students and maximum of 4 students. More than 44 teams registered and more than 25 teams participated and demonstrated their work in the NAVADHARA Intra College Project Exhibition- in Association with IIC held at **SEA COLLEGE OF ENGINEERING & TECHNOLOGY**.

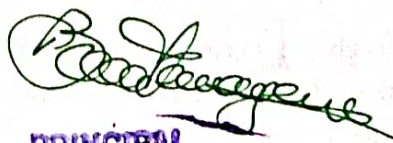
**Problem Statement Themes:**

- Agriculture ,Food Tech& Rural Development
- Blockchain& Cybersecurity
- Clean & Green Technology
- Fitness & Sport
- Heritage & Culture
- Travel & tourism
- Transportation & Logistics
- Disaster Management
- Smart Education
- MedTech /BioTech /HealthTech
- Miscellaneous
- Renewable /Sustainable Energy
- Robotics and Drones
- Smart Automation
- Smart Vehicles

NAVADHARA event was conducted by the Department of CSE/ISE/AIIML/IOT, SEA COLLEGE OF ENGINEERING & TECHNOLOGY to encourage the students and motivate the talented youngsters to offer out-of-the-box solutions to problems. o Inculcate a culture of product innovation and a mindset of problem solving.

Final year students are participants of this exhibition. Major objective of organizing this exhibition is to provide the platform and unleash the potential of the students by showcasing their research talents, innovative and creative projects developed in the Final Year either on recent societal issues with respect to better efficiency and low-cost product /open source has been encouraged to the students and provide an opportunity for the students to demonstrate their learning experience. It is a platform to promote multidisciplinary research among all students. Students participated enthusiastically and presented their solution in front of the Jury members.

The judges performed evaluation process. Students demonstrated the basic functionalities of their solutions. The rigorous evaluation process and feedback done by all the jury members were really helpful for the teams to understand their shortcomings and solution improvement. Jury members congratulated all the team members and gave them best wishes.



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**BANGALORE - 560 049**





*[Signature]*  
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BANGALORE - 560 049



**S.E.A College of Engineering and Technology**  
**Department of Computer Science and Engineering**  
**Academic year:2021-2022**

**2018 Scheme**

SLNo	USN	NAME
1	ISP1BCS002	AJSHWARAYAN
2	ISP1BCS003	AKASH A
3	ISP1BCS004	ARCHILA S
4	ISP1BCS006	AMRUTHA K M
5	ISP1BCS007	AMRUTHA L
6	ISP1BCS008	ANJALI AKAND
7	ISP1BCS009	ANJU MOL R
8	ISP1BCS011	ANUSHA K J
9	ISP1BCS013	R BHAVANI
10	ISP1BCS014	BINDU P
11	ISP1BCS015	CHAITRA R
12	ISP1BCS016	CHANDANA S N
13	ISP1BCS019	DEEKSHA S
14	ISP1BCS022	FIZA THAHAREEN
15	ISP1BCS023	GEETHA V
16	ISP1BCS024	GEETHIKA J
17	ISP1BCS025	GOWTHAMI C R
18	ISP1BCS027	HEMANTH KUMAR S
19	ISP1BCS028	JEEVAN N
20	ISP1BCS029	JYOTHI K S
21	ISP1BCS031	KAPIL CHAULAGAI
22	ISP1BCS034	KIRAN M
23	ISP1BCS035	M HEMANTH
24	ISP1BCS036	MANISH REDDY B
25	ISP1BCS037	MANOHAR K
26	ISP1BCS038	MANU G M
27	ISP1BCS040	MEGHANA RAJ
28	ISP1BCS041	MOHAMMED FAHAD
29	ISP1BCS042	MOUNISH KUMAR G
30	ISP1BCS044	NAGESH B K
31	ISP1BCS045	NAVEEN T S
32	ISP1BCS046	NITHYA R
33	ISP1BCS047	PAVAN KUMAR G R
34	ISP1BCS048	POOJA DAIWADI
35	ISP1BCS049	POOJA MISHRA A
36	ISP1BCS051	PRAVEEN KUMAR S
37	ISP1BCS052	PUNEETH SAI P D
38	ISP1BCS053	RAJ KUMAR
39	ISP1BCS055	RATHOD JITENDRA

  
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 BANGALORE - 560 049

40	ISP18CS056	RAVEESH J
41	ISP18CS057	SACHINKUMAR
42	ISP18CS059	SANDHYA S
43	ISP18CS062	SASMITA DAS
44	ISP18CS063	SATYAJIT DHANI
45	ISP18CS064	SATYAM MISHRA
46	ISP18CS065	SATHYA SAGAR
47	ISP18CS066	SHASHIKALA G
48	ISP18CS067	SHIBETAL DUBEY
49	ISP18CS069	SHWETHA SHREE V
50	ISP18CS070	SMITHA K
51	ISP18CS072	SUMANTHI S
52	ISP18CS073	SUSHIMA
53	ISP18CS075	TEJAS A
54	ISP18CS076	UMMANENI
55	ISP18CS077	V KAMALA
56	ISP18CS078	VAISHALI R
57	ISP18CS079	VANITHA V S
58	ISP18CS081	VYSINAVI K N
59	ISP18CS082	YASHIWANTHI M
60	ISP18CS083	RAJENDRA KUMAR
61	ISP18CS084	DINESH
62	ISP17CS006	AMITH
63	ISP17CS017	CHANDANA S
64	ISP17CS024	ANUSHA
65	ISP17CS075	SEEWA
66	ISP17CS096	TILAK
67	ISP17CS097	TRISHNABHA
68	ISP17CS108	RUCHITHA RAJ
69	ISP19CS400	BHAVANI K S
70	ISP19CS401	KOUSHIK
71	ISP19CS402	LOKESH G
72	ISP19CS403	RASHMI K

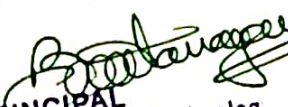
#### 2017 Scheme

73	ISP15CS013	ASHWINI NEVIDITHA
74	ISP16CS010	ANUSHA S
75	ISP17CS014	B DIVYA BHARATHI
76	ISP17CS023	DIVYA M
77	ISP17CS067	RASHMI N
78	ISP17CS068	RIKESH SUNWAR
79	ISP17CS100	VAMSI KRISHNA
80	ISP18CS400	ARUN REDDY
81	ISP18CS401	RAMYA

  
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**BANGALORE - 560 049**

2015 Scheme

82	ISP16CS080	SACHIN SIGN
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**BANGALORE - 560 049**





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(Approved by AICTE & Affiliated to Visvesvaraya Technological University)

Ektanagar, Basavanapura, Virgonagar Post, (K.R.Puram) Bangalore-560049



Sri A. Krishnappa  
Founder



INNOVATION CELL  
DEPARTMENT OF CSE

Department of CSE/ISE/AIIML/IOT

**NAVADHARA -2022**


**CERTIFICATE OF PARTICIPATION**

This certificate is awarded to Mr./Ms. .... **MUSKAAN TAJ** .....

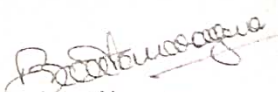
for participating in an Intra College Project Exhibition- NAVADHARA - 2022 in Association with Institution's Innovation Council held on 10th June 2022 organized by the Department of CSE/ISE/AIIML/IOT, SEACET

  
Dr.B.Loganayagi

Prof. &HOD, Dept. of CSE

  
Dr.S.B. Anil Kumar

President, IIC

  
Dr.B.Venkata Narayana

Principal

**PRINCIPAL**

SEA College of Engineering & Technology  
Ekta Nagar, Basavanapura, Virgonagar Post  
BANGALORE - 560 049



**S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY**

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Ektanagar, Basavanapura, Virgonagar Post, (K.R.Puram) Bangalore-560049



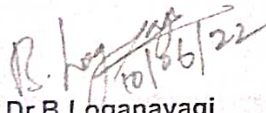
Sri A. Krishnappa  
Founder


Department of CSE/ISE/AIIML/IOT

**NAVADHARA -2022**

**CERTIFICATE OF AWARD**

This certificate is awarded to Mr./Ms. ....SMITHA . K.....  
for winning the Best Project award in the stream of .....CSE.....in the Intra College Project  
Exhibition- NAVADHARA - 2022 in Association with Institution's Innovation Council held on  
10th June 2022 organized by the Department of CSE/ISE/AIIML/IOT, SEACET

  
**Dr.B.Loganayagi**  
Prof. &HOD, Dept. of CSE

  
**Dr.S.B. Anil Kumar**  
President, IIC

  
**Dr.B.Venkata Narayana**  
Principal  
**PRINCIPAL**  
SEA College of Engineering & Technology  
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**SEA COLLEGE OF ENGINEERING & TECHNOLOGY**  
EKTA Nagar, Near Ayyappanagar Circle, Devasandra Main Road,  
Virgonadar Post, K. R. Puram, Bangalore -560049

## SEACET –SIH- 2022 - Internal Hackathon Details Report

### ABOUT THE EVENT:

Internal Hackathon SEACET –Smart India Hackathon (SIH) 2022 event was conducted in **SEA COLLEGE OF ENGINEERING & TECHNOLOGY** on 04/05/2022. As per MoE Innovation Cell-AICTE directive, a team of technical experts were invited as judges to evaluate the idea solution and its implementation and other parameters to specific problem statements demonstrated by several competing teams of our Engineering students and select the top teams to be nominated for SIH 2022 registration for final competition at National level.



MoE's  
INNOVATION CELL  
(GOVERNMENT OF INDIA)



**S. E. A. COLLEGE OF ENGINEERING &  
TECHNOLOGY**

Conducting Internal  
Hackathon for SIH 2022

on 04/05/22



## INTERNAL SMART INDIA HACKATHON -2022

Organized by

**S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY**  
EKTA NAGAR, NEAR AYYAPPA NAGAR CIRCLE, DEVASANDRA MAIN ROAD, K. R. PURAM,  
BANGALORE -560049

f /Institute Handle

t /Institute Handle

@ /Institute Handle

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Each team had 6 students with at least one female student in each team. More than 5 teams participated in the internal Hackathon held at **SEA COLLEGE OF ENGINEERING & TECHNOLOGY**.

  
PRINCIPAL

SEA College of Engineering & Technol  
Ekta Nagar, Basavanapura, Virgonagar Post  
BANGALORE - 560 049

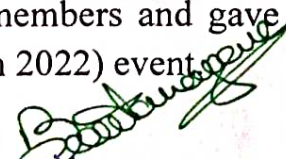
**Problem Statement Themes:**

- Agriculture ,Food Tech& Rural Development
- Blockchain&Cybersecurity
- Clean & Green Technology
- Fitness & Sport
- Heritage & Culture
- MedTech /BioTech /HealthTech
- Miscellaneous
- Renewable /Sustainable Energy
- Robotics and Drones
- Smart Automation
- Smart Vehicles
- Travel & tourism
- Transportation & Logistics
- Disaster Management
- Smart Education

This Hackathon was conducted by the Department of CSE, SEA COLLEGE OF ENGINEERING & TECHNOLOGY to encourage the students and motivate the talented youngsters to offer out-of-the-box solutions to problems .To Inculcate a culture of product innovation and a mindset of problem solving. Students participated enthusiastically and presented their solution in front of the Jury members.

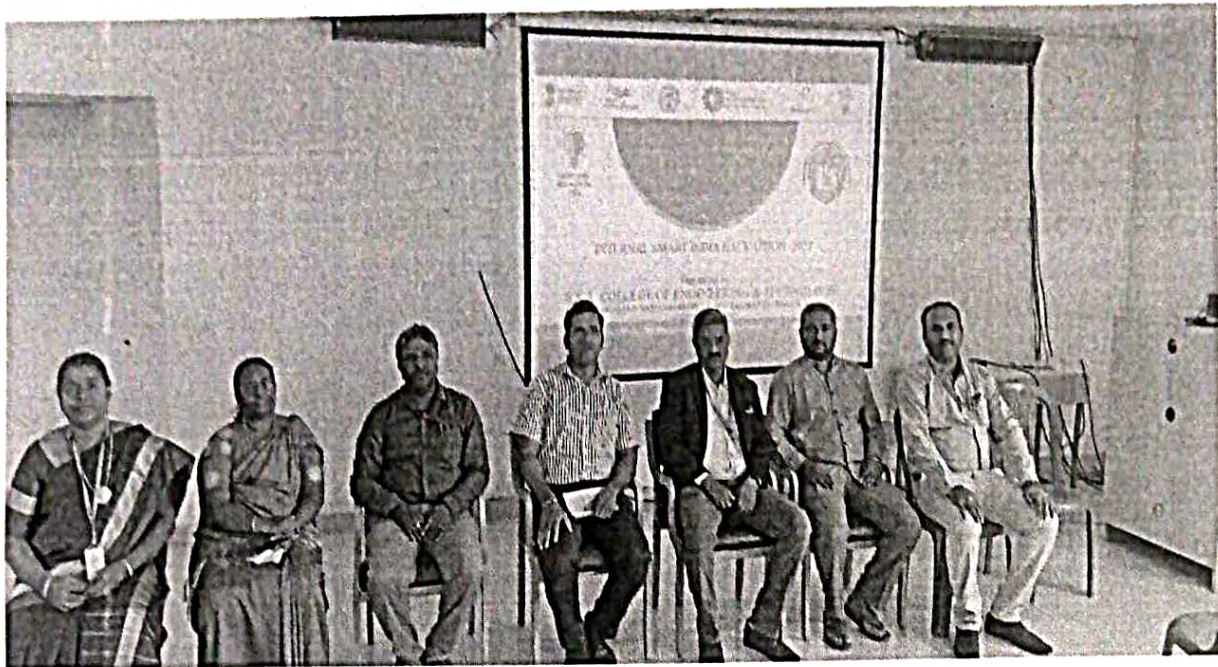
1. Dr. Pradeep Kumar, Prof. &HOD, Dept. of ECE
2. Mrs. Gayathri N, Prof. &HOD, Dept. of ISE
3. Dr. Nijaguna G., Prof. &HOD, Dept. of AIML

The three judges performed evaluation process. The evaluation process was done with solution presentation as per the SIH 2022 format and students demonstrated the basic functionalities of their solutions. The rigorous evaluation process and feedback done by all the jury members were really helpful for the teams to understand their shortcomings and solution improvement. Jury members congratulated all the team members and gave them best wishes for the national level (Smart India Hackathon 2022) event.

  
PRINCIPAL  
SEA College of Engineering & Technology  
Ektis Nagar, Basavanapura, Virgonagar  
BANGALORE - 560 049



## SEACET –SIH 2022 –INTERNAL HACKATHON REPORT



SEACET –SIH 2022 – INTERNAL HACKATHON INAUGURATION AT CSE SEMINAR HALL



HACK RANK TEAM WITH JUDGES

*[Signature]*  
**PRINCIPAL**  
SEA College of Engineering & Technology  
Eklia Nagar, Basavanapur, Virgonagar, Post  
BANGALORE - 560 049





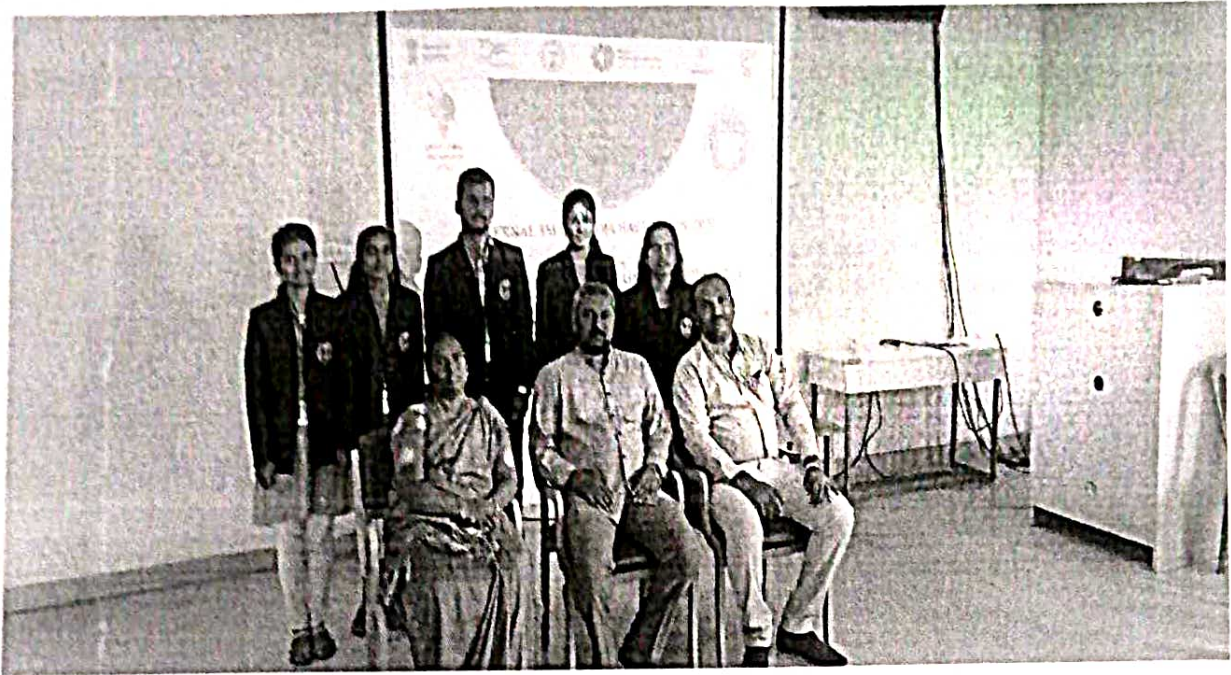
R3INPUT TEAM WITH JUDGES



BLACK COVER TEAM WITH JUDGES

*Signature*  
**PRINCIPAL**  
 EEA College of Engineering & Technology  
 Easwari Nagar, Basavanapura, Virgonagar Post  
 BANGALORE - 560 049





UNCODED TEAM WITH JUDGES



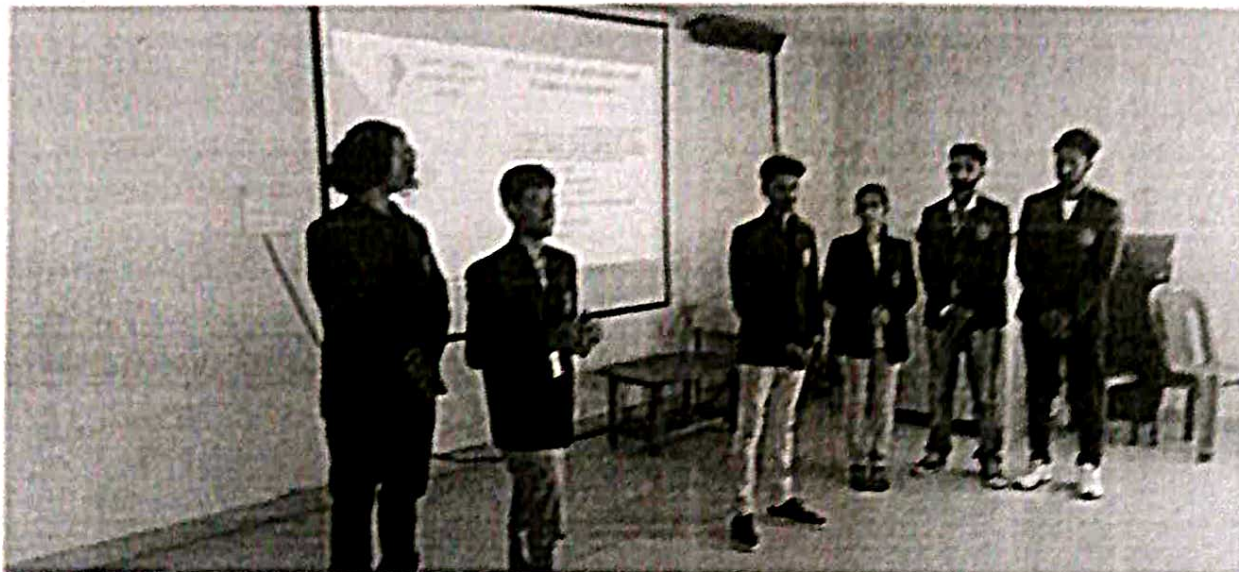
HACKER CODEZ SQUAD TEAM WITH JUDGES

*Prabhu Kumar*

**PRINCIPAL**  
**SEA College of Engineering & Technology**  
 Elda Nagar, Busavanapura, Virgonagar Rd.  
 BANGALORE - 560 049



## SEACET -SIH 2022 - EVENT PHOTOS



*S. S. Srinivas*  
**PRINCIPAL**  
BEA College of Engineering & Technology  
Eda Nagar, Basavanapura, Virgonagar Post  
BANGALORE - 560 049





*Dr. Anurag K. S.*  
**PRINCIPAL**  
 SEA College of Engineering & Technology  
 Ekta Nagar, Basavanapura, Virgonagar Post  
 BANGALORE - 560 049





**PRINCIPAL**  
 SEA College of Engineering & Technology  
 Ekta Nagar, Basavanapura, Virgonagar Post  
 BANGALORE - 560 049





*S. S. Channarayana*  
**PRINCIPAL**  
 SEA College of Engineering & Technology  
 Ekta Nagar, Basavanapura, Virgonagar P.O.,  
 BANGALORE - 560 048





# S.E.A. College of Engineering & Technology

(Affiliated to Visvesvaraya Technological University, Belgaum  
& Approved by All India Council for Technical Education, New Delhi)

Date.....

Date: 30/April/2022

## Sub: Smart India Hackathon 2022 - Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No/ UGC Registration No for our college is 1-9319105699.

Team &lt;UNCODED 77 &gt;

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	Ajith Babu R R	Male	ajithbaburakkirajeshwari@gmail.com	7483139117
Team Member	Monisha D	Female	monishagowda.d@gmail.com	8971439835
Team Member	Moulya P	Female	moulyaprakash54@gmail.com	9071820343
Team Member	Monika B M	Female	bmmonika56@gmail.com	9741296244
Team Member	Ashwini P	Female	ashchai123@gmail.com	7204968828
Team Member	Boomika P	Female	boomikap355@gmail.com	8660983382

Sincerely,  
*Dr. B. Venkata Narayana*  
Dr. B. Venkata Narayana,



The Principal

**PRINCIPAL**

SEA College of Engineering & Technology,  
Ekta Nagar, Basavanapura, Virgo Nagar Post,  
BANGALORE - 560 049

*Dr. B. Venkata Narayana*  
**PRINCIPAL**  
SEA College of Engineering & Technology  
Ekta Nagar, Basavanapura, Virgo Nagar Post  
BANGALORE - 560 049



College Code : SP

# S.E.A. College of Engineering & Technology

(Affiliated to Visvesvaraya Technological University, Belgaum  
& Approved by All India Council for Technical Education, New Delhi)

Ref.

Date .....

Date: 30/April/2022

## Sub: Smart India Hackathon 2022 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No/ UGC Registration No for our college is 1-9319105699.

### Team :< DEBUG ENTITY >

	Name	Gender (M/F)	Email Id	Mobile no.
Team Leader	Sathish.S.R	Male	srsking2905@gmail.com	6361777075
Team Member	Kuritiipalli Harshavardhan	Male	harshavardhan16k@gmail.com	7411610870
Team Member	Adithya Kadam MH	Male	adithyakadamh115@gmail.com	8660098311
Team Member	Varshith Kumar N	Male	marshallvarshith@gmail.com	7337797952
Team Member	Sahana H	Female	sahanamanju910416@gmail.com	9353235967
Team Member	Deepthi R	Female	rdeepthi728@gmail.com	8867146289

Sincerely,

Dr.B.Venkata Narayana,

The Principal

PRINCIPAL

SEA College of Engineering & Technology,  
Ekta Nagar, Basavanapura, Virgonagar Post



*[Signature]*  
PRINCIPAL

SEA College of Engineering & Technology  
Ekta Nagar, Basavanapura, Virgonagar Post  
BANGALORE - 560 049

Ekta Nagar, Near Ayyappanagar Circle, Devasandra Main Road, Virgonagar Post, K.R. Puram, Bangalore - 560 049, INDIA  
Phone : +91 80 25613741 / 42 Fax : +91 80 25613418

e-mail : seaeduinfo@seaedu.ac.in website : www.seaedu.ac.in





College Code : SP

# S.E.A. College of Engineering & Technology

(Affiliated to Visvesvaraya Technological University, Belgaum  
& Approved by All India Council for Technical Education, New Delhi)

Date .....

Date: 30/April/2022

## Sub: Smart India Hackathon 2022 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No/ UGC Registration No for our college is 1-9319105699.

### Team : < HACKER CODEZ SQUAD >

	Name	Gender (M/F)	Email Id	Mobile no.
Team Leader	Thirtha Kumar H.B	Male	thirthakumar0006@gmail.com	9148036772
Team Member	Mahesh R	Male	maheshofficial806@gmail.com	8660793698
Team Member	Shalan Mathew John	Male	shalenmj@gmail.com	9898945202
Team Member	Ramya R	Female	ramyar4241@gmail.com	7760594241
Team Member	Pradeep Kumar K R	Male	pradeepnayak4466@gmail.com	7975721231
Team Member	Rakesh P	Male	Srivenkatesh8050@gmail.com	7349469375

Sincerely,

Dr.B.Venkata Narayana,

The Principal

PRINCIPAL

S.E.A. College of Engineering &amp; Technology

Ekta Nagar, Basavanapura, Virgo Nagar Post  
BANGALORE - 560 049

PRINCIPAL

S.E.A. College of Engineering & Technology  
Ekta Nagar, Basavanapura, Virgo Nagar Post.  
BANGALORE - 560 049



# S.E.A. College of Engineering & Technology

(Affiliated to Visvesvaraya Technological University, Belgaum  
& Approved by All India Council for Technical Education, New Delhi)

Date: .....

Date: 30/April/2022

Sub: Smart India Hackathon 2022 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No/ UGC Registration No for our college is 1-93191055/23.

Team : <Hack Rank>				Mobile no.
	Name	Gender (M/F)	Email id	
Team Leader	Shashank N U	Male	Shashanknu837@gmail.com	8035767500
Team Member	Pragadeesh G S	Male	pragadeeshgurumoorthy23@gmail.com	9722276730
Team Member	Sajid	Male	Sajidbaby755@gmail.com	9353430225
Team Member	Ajay Jangir	Male	ajaywar12@gmail.com	8830076436
Team Member	Muhammad Zakariya K	Male	Muhammadzakariyak24@gmail.com	9207273707
Team Member	K Meghaa	Female	meghaakb03@gmail.com	9142337823

Sincerely,  
Dr.B.Venkata Narayana.



The Principal  
PRINCIPAL

S.E.A. College of Engineering & Technology  
Ekta Nagar, Basavanapura, Virgonagar Post  
BANGALORE - 560 049

S.E.A. College of Engineering & Technology  
Ekta Nagar, Basavanapura, Virgonagar Post  
BANGALORE - 560 049



# S.E.A. College of Engineering & Technology

(Affiliated to Visvesvaraya Technological University, Belgaum  
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Date:.....

Date: 30/April/2022

## Sub: Smart India Hackathon 2022 – Nomination

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Team: &lt;The gatsby&gt;

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	NATHASHA.R	FEMALE	Nathashagowda r@gmail.com	8147131695
Team Member	PRIYA TRIPATHI	FEMALE	tripathipriya739@gmail.com	6360550674
Team Member	PAVANA.S	FEMALE	pav180303@gmail.com	8884112541
Team Member	NAVYA.JS	FEMALE	navyajs1234@gmail.com	8123532109
Team Member	CHETAN YADAV GN	MALE	gnchetanyadav147@gmail.com	6361270625
Team Member	DARSHAN YADAV.	MALE	darshannandan6@gmail.com	7899394579

Sincerely,

Dr.B.Venkata Narayana,

The Principal

PRINCIPAL

SEA College of Engineering & Technology,  
Ekta Nagar, Basavanapura, Virgo Nagar Post  
BANGALORE - 560 049



*[Signature]*  
PRINCIPAL  
SEA College of Engineering & Technology  
Ekta Nagar, Basavanapura, Virgo Nagar Post  
BANGALORE - 560 049

near Ayyappanagar Circle, Devasandra Main Road, Virgonagar Post, K.R. Puram, Bangalore - 560 049. INDIA

Phone : +91 80 25613741 / 42 Fax : +91 80 25613418

e-mail : seaeduinfo@seaedu.ac.in website : www.seaedu.ac.in



College Code : SP

# S.E.A. College of Engineering & Technology

(Affiliated to Visvesvaraya Technological University, Belgaum  
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Ref.

Date

Date: 30/April/2022

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Team :&lt; R3INPUT &gt;

	Name	Gender (M/F)	Email id	Mobile no.
Team Leader	Nimishambha Bharani S	F	nimishambhas@gmail.com	9740848791
Team Member	Raksha M	F	rakshamurali31@gmail.com	8105542523
Team Member	Pachipala Indu	F	pachipalaindu8@gmail.com	9573619695
Team Member	Pushpa Yadav	F	poojapushpa74@gmail.com	9148863275
Team Member	Ranjitha Babu B A	F	ranjithababu44@gmail.com	8217502426
Team Member	Roopa D	F	roopadroopad96@gmail.com	9711791176

Sincerely,

Dr.B.Venkata Narayana.

The Principal  
PRINCIPALSEA College of Engineering & Technology  
Ekta Nagar, Basavenapura, Virgonagar Post  
BANGALORE - 560 049

*Ranjitha Babu*  
PRINCIPAL  
SEA College of Engineering & Technology  
Ekta Nagar, Basavenapura, Virgonagar Post  
BANGALORE - 560 049

Ekta Nagar, Near Ayyappanagar Circle, Devasandra Main Road, Virgonagar Post, K.R. Puram, Bangalore - 560 049 INDIA  
Phone : +91 80 25613741 / 42 Fax : +91 80 25613418  
e-mail : seaeduinfo@seaedu.ac.in website : www.seaedu.ac.in





SMART INDIA  
HACKATHON  
2022



## Certificate Of Participation

### *Internal Hackathon*

This Certificate is awarded to

**AJAY JANGIR**

of Team **HACK RANK**

for participating in Internal Hackathon held on **04/05/2022**

at **S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY**

*Signature*

Dr.B.Loganayagi  
Prof. & HOD, CSE, SEACET

*Signature*

Dr.Pradeep Kumar  
Prof. & HOD, ECE, SEACET

*Signature*

Dr.B.Venkata Narayana  
Principal, SEACET

PRINCIPAL  
SEA College of Engineering & Technology  
Extra Nagar, Basavanapura, Virgo Nagar Post  
BANGALORE - 560 049

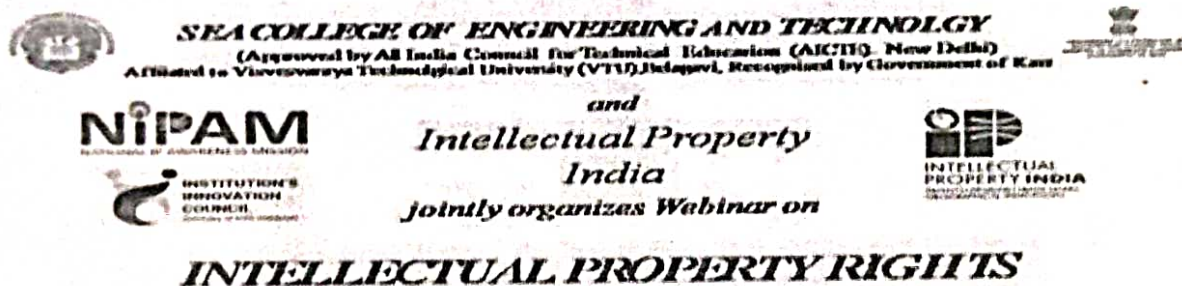


## Report on the webinar on Intellectual Property Rights

A webinar on Intellectual Property Rights was jointly organized by S.E.A College of Engineering and Technology, Bangalore in association with NIPAM (National Intellectual Property Awareness Mission) on 16<sup>th</sup> July 2022 at 11:00am. There were 140 enthusiastic participants including 15 faculty members from various branches attended the Workshop through online mode (Webex). The function was presided by Dr.B.Venkatanarayana, Principal, SEACET and introduction of resource person was given by Dr. Pradeep Kumar N.S., HOD, ECE, SEACET.

The resource person Mr.Abhishek Singh, Examiner of Patents and Designs (since April, 2016), Patent Office Chennai, Ministry of Industry and Commerce, Govt. of India delivered his lecture on 'IPR and its Protection in India'

### About Webinar:



### Resource Person:

**Mr. ABHISHEK SINGH**

Examiner of Patents and Designs  
Patent Office Chennai, Ministry of Commerce and Industry,  
Govt. of India.

### Registration Form:

<https://forms.gle/8gyJ4Bmh1CJyMESW9>



**16 July 2022**

**Saturday, 11.00 am to 1.00 pm (IST)**



<https://chennai-patent.webex.com/chennai-patent/j.php?MTID=mb815818ea38753244cb05ea2e570d4dc9>

### Coordinator:

Dr. Pradeep Kumar N.S., Professor and Head  
Department of ECE

Email id: seacetecedept@gmail.com

  
**PRINCIPAL**

SEA College of Engineering & Technology  
Ekta Nagar, Basavanapura, Virgonagar Post  
BANGALORE - 560 049



Mr. Abhishek Singh started his lecture with an introduction to Intellectual Property Rights. He briefed the concept of Intellectual Property that it can be an Invention, Original Design, Trademarks, artistic creation etc. And explained that the Intellectual Property is an asset by acquiring a legal right over the property, the creator of the intellectual property seeks to ensure that he has exclusive right over it. He discussed in detail about the topics such as what is copyright? What do we mean by author or creator? etc. And further elaborated the types of Intellectual Property and the importance of patent rights. He explained how to file a patent in India itself with respect to life science, biotechnology, computer science and physical sciences and also in the context of collaboration research. He briefed on IPR laws in different countries. Also he explained the Indian scenario of intellectual property system and Trademarks. Also, explained the roles and functions of department of Intellectual Property Rights (IPR) in India. He had given the complete information regarding the registration of Patent to the participants.

Snapshots from webinar are presented below.

Event	Time
Provisional to Complete specification	12 Months
Withdrawal of Application	15 Months
Publication	18 Months
Request for Examination	18 Months
Reply to PHE	6 Months
Hearing Submission	15 days

Abhishek Singh (host)

Resource Person Mr. Abhishek Singh

*Handwritten signature*  
**PRINCIPAL**  
 SEA College of Engineering & Technology,  
 Ekta Nagar, Basavanapura, Virgonagar Post  
 BANGALORE - 560 049

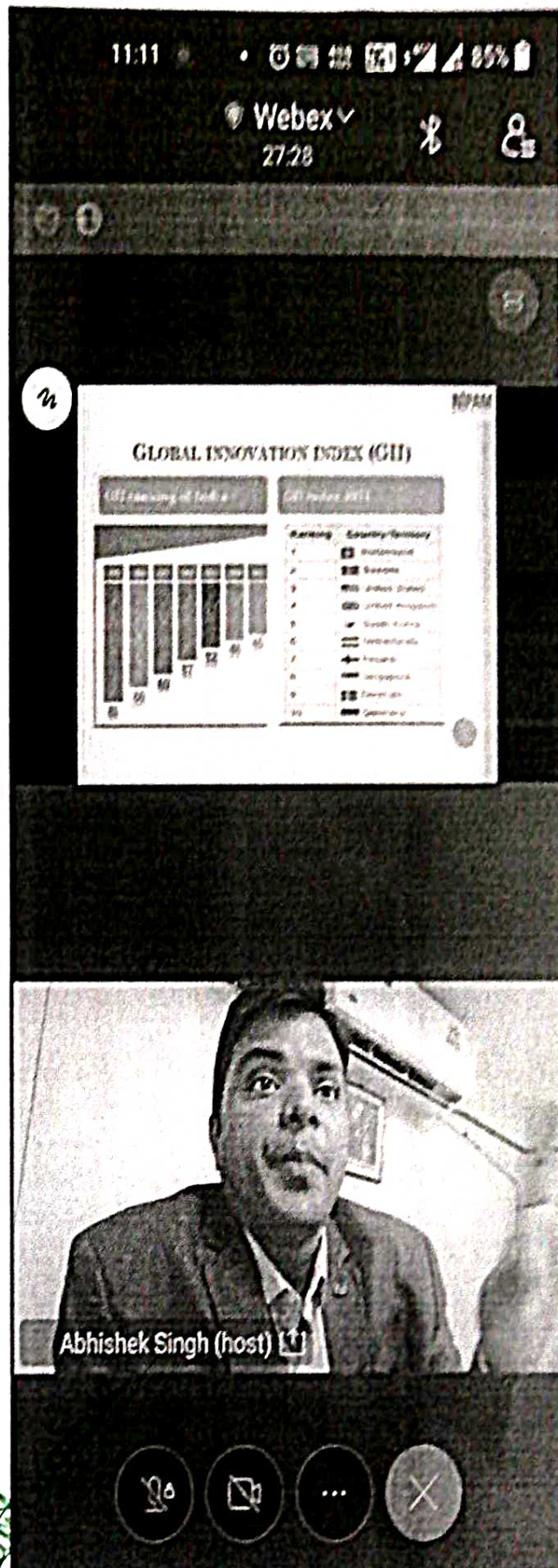
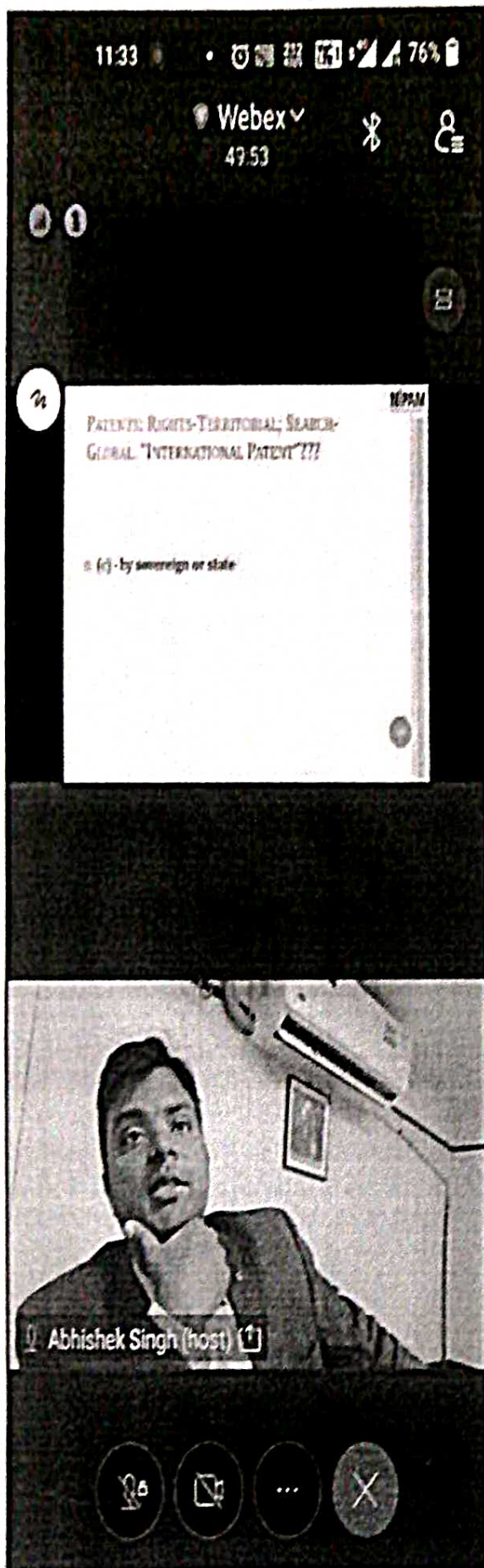




Participants List

*Ravi Kumar*  
PRINCIPAL  
SEA College of Engineering & Techno'  
Ekta Nagar, Basavanapura, Virgonagar  
BANGALORE - 560 049





PRINCIPAL  
SEA College of Engineering & Technology  
Nagar, Basavanapura, Virgonagar, Post  
BANGALORE - 560 049





The webinar was concluded at 1.00pm. The workshop ended with the vote of thanks and online submission of feedback form. The Webinar was highly informative to students and staffs. Thus webinar provided valuable awareness and insights on the various aspects of IPR.

*[Signature]*  
**PRINCIPAL**  
 SEA College of Engineering & Technology  
 44/4 Nagar, Basavanapura, Virgonagar P.S.,  
 BANGALORE - 560 049





Government of India  
Ministry of Commerce and Industry  
Department for Promotion of Industry and Internal Trade  
Office of the Controller General of Patents, Designs and Trade Marks

### CERTIFICATE

This is to certify that, **MS. SATHVIKA GB** of **S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY, BENGALURU** has successfully participated in IP Awareness/Training program under

**NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION**

on July 16, 2022

Organized by  
Intellectual Property Office, India

Date: August 02, 2022



(Prof. (Dr) Unnat P. Pandit)  
CONTROLLER GENERAL OF  
PATENTS, DESIGNS & TRADE MARKS

  
PRINCIPAL

S.E.A. College of Engineering & Technology  
Laxmi Nagar, Basavanapura, Virgonagar Post  
BANGALORE - 560-049





Government of India  
Ministry of Commerce and Industry  
Department for Promotion of Industry and Internal Trade  
Office of the Controller General of Patents, Designs and Trade Marks

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on July 16, 2022

Organized by  
Intellectual Property Office, India

Date: August 02, 2022



PRINCIPAL  
SEA College of Engineering & Technology  
Chik Nager, Basavanapura, Virgo Nagar,  
BANGALORE - 560 049

(Prof. (Dr) Unnat P. Pandit)  
CONTROLLER GENERAL OF  
PATENTS, DESIGNS & TRADE MARKS



**REPORT OF SESSION ON "HOW TO PLAN FOR START-UP AND  
LEGAL & ETHICAL STEPS"**

**Keynote Speaker with his designation: Mr. Thunga Raju**

**( Founder of TIECEE Start-Up)**

**Date:** 20-06-2022

**Time:** 10:30 A.M. to 12:00 P.M.

**Venue:** A.C. Seminar Hall

An offline session on 'how to plan for start-up and legal & ethical steps' organized by Department of Placement and MBA, S.E.A College of Engineering and Technology, Bangalore on 20-06-2022. The session was organized both morning and afternoon with the timings for Morning Session 10.30 am to 12.00 pm and afternoon Session 2.00 to 3.30 pm. There were 80 enthusiastic students from various departments of S.E.A. College of Engineering and Technology. The program was presided by Dr. B. Venkata Narayana, Principal, SEACET, Dr. Chidananda Prasad .R, Placement Director, Dr. S.B. Anil Kumar HOD, MBA.



**S.E.A COLLEGE OF  
ENGINEERING & TECHNOLOGY**  
AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY & APPROVED BY ALL INDIA COUNCIL OF TECHNICAL EDUCATION (AICTE)  
**Ekta Nagar, A. Krishnappa Circle, Ayyappanagar**  
**Devasandra Main Road, Virgo Nagar Post, K.R. Puram, Bangalore - 560 049.**



**Sri A. Krishnappa**  
Founder Chairman  
S.E.A Group of Institutions

**Dept. of Placement and M.B.A**  
**In Association with IIC**  
**Organizes**  
**Session on "How to plan for Start-up & Legal & Ethical Steps"**

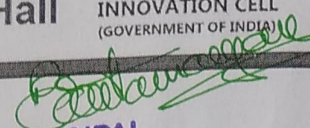


**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Ministry of HRD Initiative)

**Date: 20-06-2022**  
**Time: 10 A.M.**  
**Venue: A.C. Seminar Hall**



**MHRD'S  
INNOVATION CELL**  
(GOVERNMENT OF INDIA)

  
**PRINCIPAL**  
**SEA College of Engineering & Technology**  
**Ekta Nagar, Basavanapura, Virgo Nagar**  
**BANGALORE - 560 049**

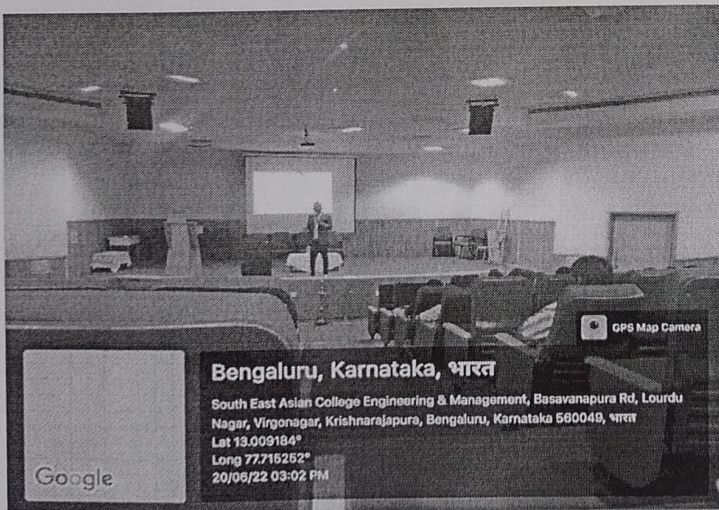


## OBJECTIVE OF THE FDP:

The broad objective of this session is to give the motivation and idea upcoming student generation who are studying engineering and Management subjects in the college. Startups boost the economy with revolutionary technology and create new industries over time. When these startups go public, they truly become money-making engines for not just the owners but also for the employees and shareholders; Startups also contribute in changing the image of the country. But, with equal to that students also must learn how to overcome the challenges in the society through legal and ethical formalities. Topics was covered by the keynote speaker in the session are below:

- Introduction to Startups
- Legal Challenges in operations
- Ethical followings in doing business.

## Photos of the session



*Signature*

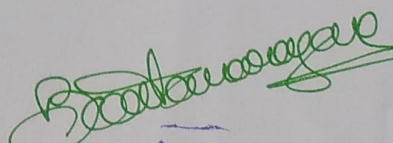
PRINCIPAL  
SEA College of Engineering & Technology  
Ekta Nagar, Basavanapura, Virgonagar Post  
BANGALORE - 560 049



## OBJECTIVE OF THE FDP:

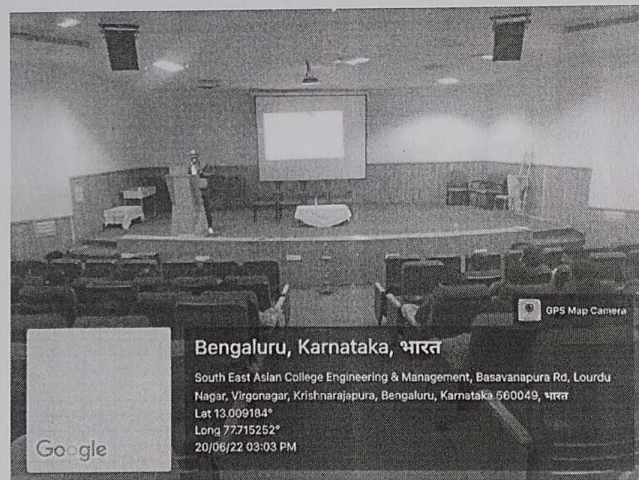
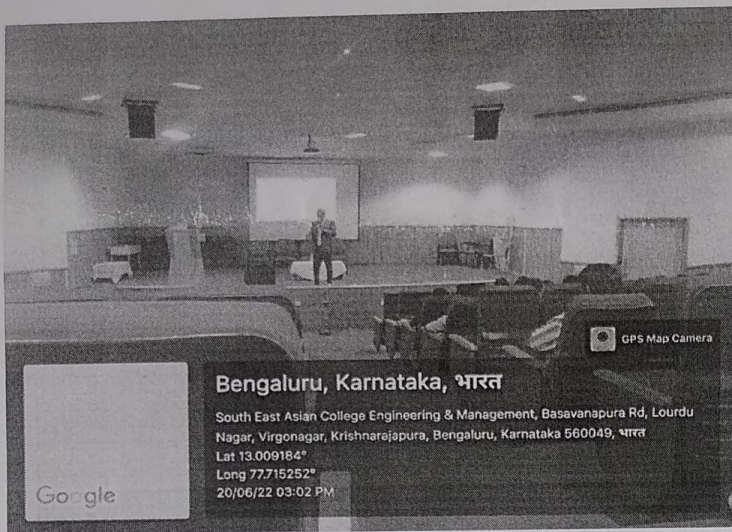
The broad objective of this session is to give the motivation and idea upcoming student generation who are studying engineering and Management subjects in the college. Startups boost the economy with revolutionary technology and create new industries over time. When these startups go public, they truly become money-making engines for not just the owners but also for the employees and shareholders; Startups also contribute in changing the image of the country. But, with equal to that students also must learn how to overcome the challenges in the society through legal and ethical formalities. Topics was covered by the keynote speaker in the session are below:

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- Legal Challenges in operations
- Ethical followings in doing business.

  
**PRINCIPAL**  
SEA College of Engineering & Technology  
Extra Nagar, Basavanapura, Virgonagar Post  
BANGALORE - 560 049



## Photos of the session



*Signature*

**PRINCIPAL**  
**SEA College of Engineering & Technology**  
**Ekta Nagar, Basavanapura, Virgonagar Post**  
**BANGALORE - 560 049**



# SEA COLLEGE OF ENGINEERING AND TECHNOLOGY

Students List-Attendance on 20.06.2022

How to Plan for Start-up and Legal & Ethical Steps

Sl.No	USN	Name of the Students	Signature
1	1SP21CS001	A MONISH GOWDA	Monish
2	1SP21CS002	ABHILASH S	Abhilash
3	1SP21CS003	ABHINAYA V	Abhinaya
4	1SP21CS004	ADARSH P	Adarsh P
5	1SP21CS005	ADHITHYA MANILAL	Adhithya
6	1SP21CS033	IMPANA A J	Impana
7	1SP21CS034	JAYANTHI M	Jayanthi
8	1SP21CS062	N BHAVANA SAI	N Bhavana
9	1SP21CS074	PRASAD REDDY G	Prasad
10	1SP21CS076	PRUTHVI S ABALUR	Pruthvi
11	1SP21CS077	PUNEETH N	Puneeth
12	1SP21CS038	KALPANA G	Kalpna
13	1SP21CS040	KANNAN S	Kannan
14	1SP21CS041	KARTHIKEYAN P V	Karthikeyan
15	1SP21CS042	KAVITHA U	Kavitha
16	1SP21CS043	KISHAN VIGNESH	Kishan
17	1SP21CS063	NANDINI B	Nandini
18	1SP21CS068	NITHIN G	Nithin G
19	1SP21CS069	NITHIN M	Nithin
20	1SP21CS070	PALLAVI BAI N	Pallavi
21	1SP21CS071	PAVITHRA N	Pavithra
22	1SP21CS073	PRADIP JAISHI	Pradip
23	1SP21CS075	PRERANA H	Prerana
24	1SP21CS093	SARUMATHI SREE S	Sarumathi
25	1SP21CS094	SHARAFUNNEESA K M	Sharafunneesa
26	1SP21CS097	SHRAVANI S	Shravani
27	1SP21CS100	SIRI AISHWARYA	Siri
28	1SP21CS101	SNEHA A	Sneha
29	1SP21IS027	NAGAVENI S	Nagaveni
30	1SP21IS028	NISARGA H A	Nisarga
31	1SP21IS029	NUTHAN K V	Nuthan
32	1SP21IS031	PRABHASH YADAV	Prabhash
33	1SP21IS032	PRADEEP KUMAR K R	Pradeep Kumar
34	1SP21IS033	PRAJWAL E	Prajwal
35	1SP21IS034	PRAKASH PANDEY	Prakash
36	1SP21IS008	BHAVANA R	Bhavana
37	1SP21IS043	ROSHNI BEHERA	Roshni
38	1SP21IS009	BONTHA SUDARSHANREDDY	Bontha
39	1SP21IS011	DEEPTHI R	Deepthi

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40	1SP21IS012	DIYA M	Diya M
41	1SP21IS013	GOVARDHAN G L	Govardhan
42	1SP21EC002	AISHWARYA H R	Aishwarya
43	1SP21EC008	JAGATI SAI TEJA	Jagati Sai Teja
44	1SP21EC009	JALANI K S	Jalani K S
45	1SP21EC18	S YUVARAJ	S Yuvaraj
46	1SP21EC19	SACHIN KUMAR S	Sachin Kumar S
47	1SP21EC23	SINDHU V	Sindhu V
48	1SP21EC24	SKANDA P	Skanda P
49	1SP21EC25	SONIKA N	Sonika N
50	1SP21AI010	BHARATH R	Bharath R
51	1SP21AI011	BHARATHRAJA	Bharath Raja
52	1SP21AI014	DEVAPRATHAP C R	Devaprathap C R
53	1SP21AI062	VICTOR B	Victor B
54	1SP21AI063	VILAS KUMAR N	Vilas Kumar N
55	1SP21AI051	SANJAY KUMAR K	Sanjay Kumar K
56	1SP21AI052	SHAHID K V	Shahid K V
57	1SP21AI053	SHAIK MOHAMMED	Shaiik Mohammed
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65	1SP21IC032	MOHAMED AJMAL A	Mohamed Ajmal A
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69	1SP21IC017	D RAGHURAM	D Raghuram
70	1SP21IC018	DEEPAK N	Deepak N
71	1SP21IC019	DHYAN C JAIN	Dhyani C Jain
72	1SP21IC020	GOGULA SAI KUMAR	Gogula Sai Kumar
73	1SP21ME002	AKSHAI JAYAN	Akshai Jayan
74	1SP21ME007	LOKESH H	Lokesh H
75	1SP21ME008	MOHAMED JASIN	Mohamed Jasin
76	1SP21CV001	AADITYA NARAYAN ADHIKARI YADAV	Aaditya Narayan Adhikari Yadav
77	1SP21IC008	ARUNESHWAR B	Aruneshwar B
78	1SP21CV004	GOWTHAM M	Gowtham M
79	1SP21CV005	LAXMI MANDAL	Laxmi Mandal
80	1SP21IC038	NIKITA R CHINCHANSURE	Nikita R Chinchansure

*[Signature]*  
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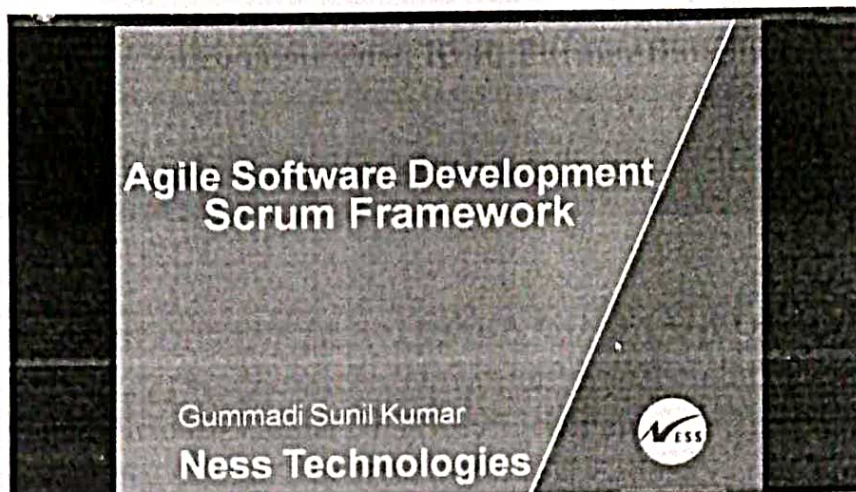


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EKTA Nagar, Near Ayyappanagar Circle, Devasandra Main Road,  
Virgonagar Post, K. R. Puram, Bangalore -560049

## SEACET –Webinar on Agile Methodology

### ABOUT THE EVENT:

The event was conducted online hosted by **SEA COLLEGE OF ENGINEERING & TECHNOLOGY** on 26/05/2021. The event was conducted by an external guest Mr. Gummadi Sunil Kumar of Ness Technologies. Over 100 participants attended the webinar and got insight into this industry standard practice of development framework.



### Key Highlights:

- Different methodologies available
- Traditional vs Agile Framework
- Principles of Agile Methodology
- Scrum Roles and Ceremonies
- Benefits of Agile Methodology

This Webinar was conducted by the Department of CSE, SEA COLLEGE OF ENGINEERING & TECHNOLOGY to encourage the students to understand the current industry practice in Software development lifecycle. This provided an opportunity to interact and gain knowledge from people in the industry. This also

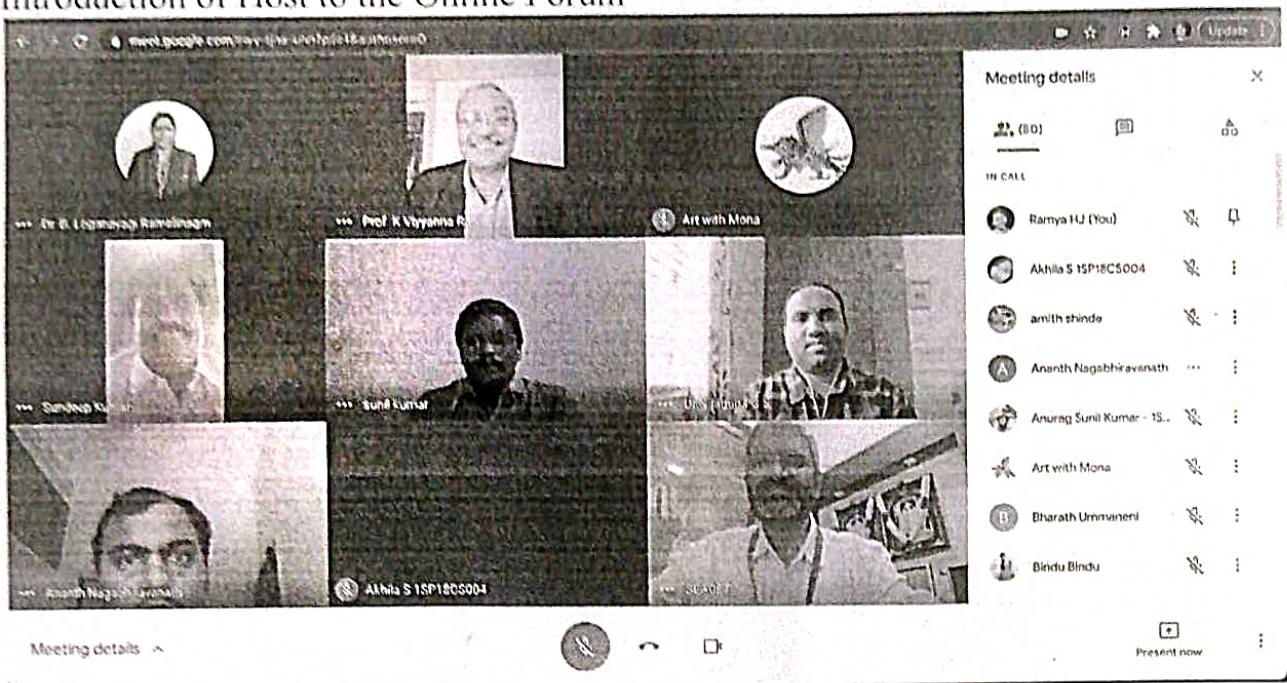
  
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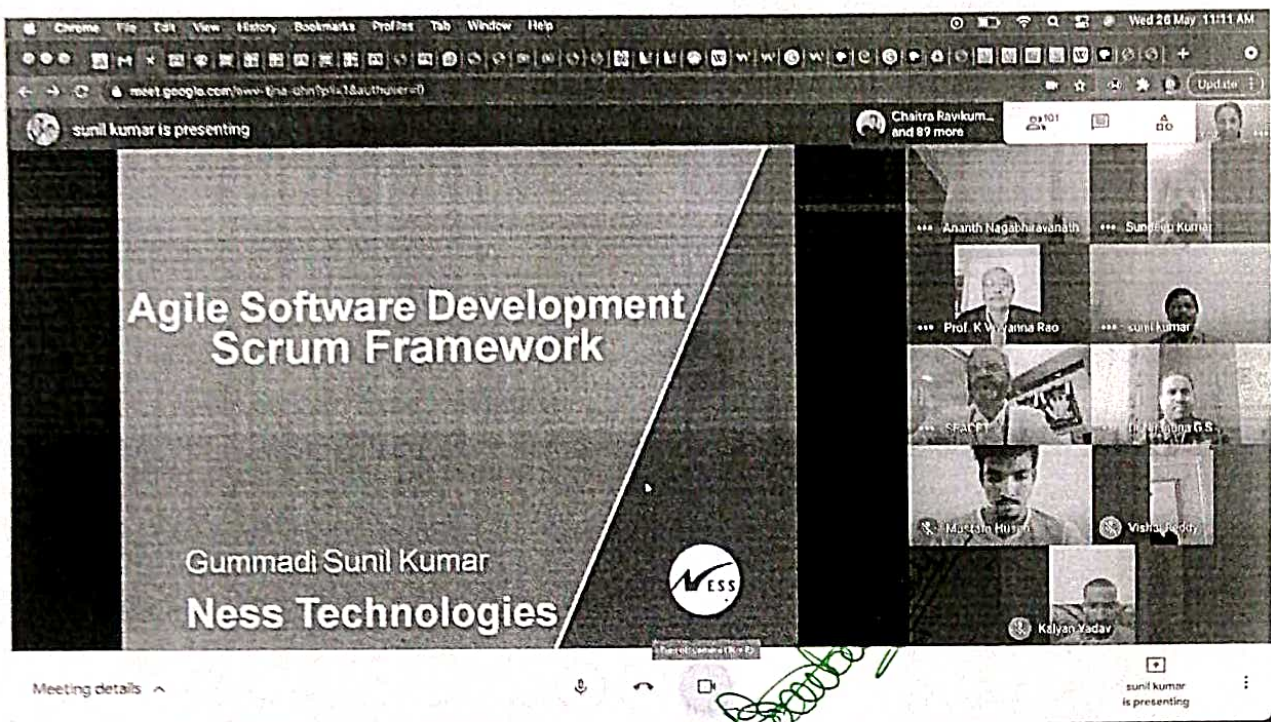


provided the participants an insight into different practices in the industry and their advantages and disadvantages.

### Introduction of Host to the Online Forum



### Introduction to the topic



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## Differences between Agile and Traditional Methodology

The screenshot shows a Google Meet interface with a presentation slide titled "Difference between agile and traditional project management". The slide features two illustrations: "AGILE CONSTRUCTION" on the left, showing a modern building under construction with a sign that says "Agile", and "TRADITIONAL BUILDERS" on the right, showing a more traditional building under construction. The Google Meet interface includes a top bar with the URL "meet.google.com/...", a status bar indicating "sunil kumar is presenting", and a sidebar on the right showing a grid of participants' video feeds. The bottom of the screen displays meeting controls like "Meeting details", "mute", "video", and "chat".

## Waterfall vs Agile

The screenshot shows a Google Meet interface with a presentation slide titled "PHILIPP SCHRÖDER". The slide compares two project management models: "SIMPLE WATERFALL" on the left, which is labeled "LINEAR" and shows a waterfall diagram, and "AGILE PROCESSES" on the right, which is labeled "ADAPT" and shows a wavy, iterative diagram with a circular arrow labeled "INSPECT". The Google Meet interface includes a top bar with the URL "meet.google.com/...", a status bar indicating "sunil kumar is presenting", and a sidebar on the right showing a grid of participants' video feeds. The bottom of the screen displays meeting controls like "Meeting details", "mute", "video", and "chat".

*Sunil Kumar*  
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Chrome File Edit View History Bookmarks Profiles Tab Window Help

meet.google.com/... sunil kumar is presenting

Prath Tateri and 89 more

Scrum

Plan	Plan	Plan	Plan
Build	Build	Build	Build
Test	Test	Test	Test
Review	Review	Review	Review

Several incremental releases called Sprints

Potentially Shippable Product

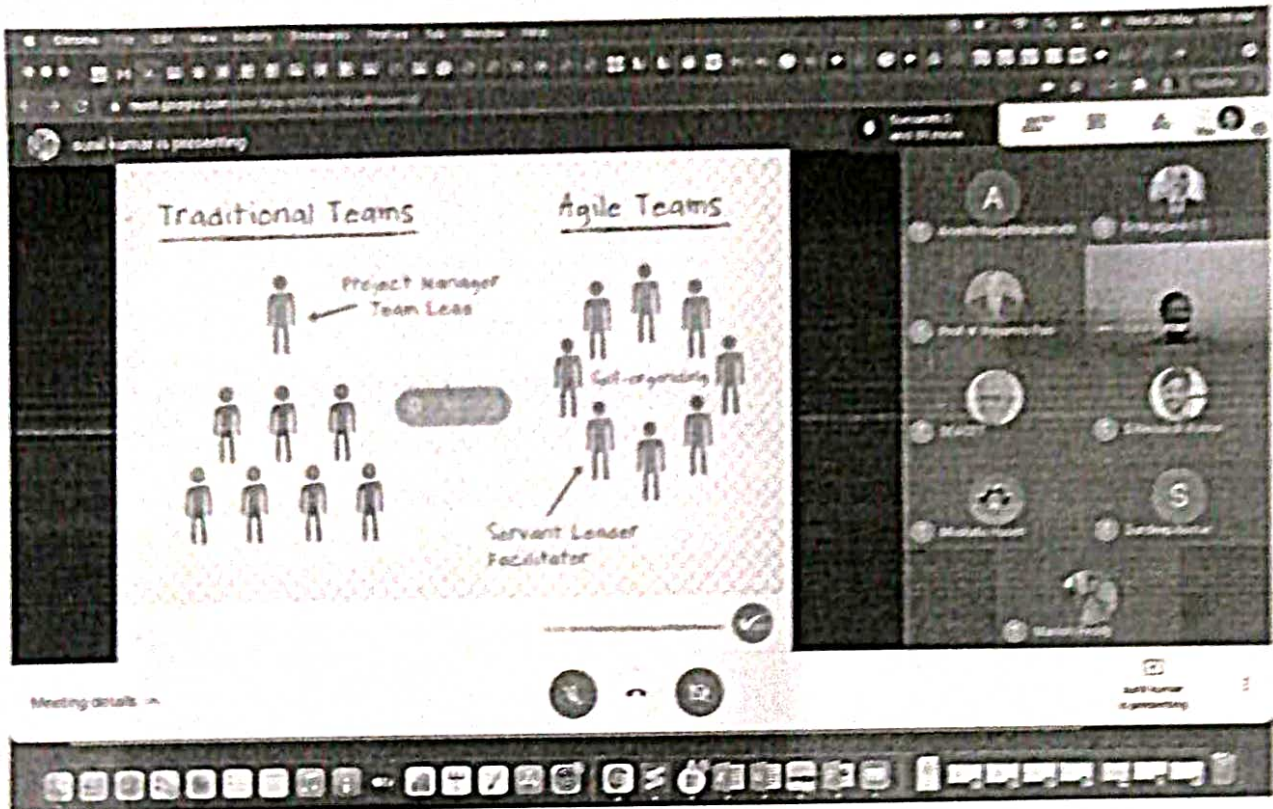
Meeting details

sunil kumar is presenting

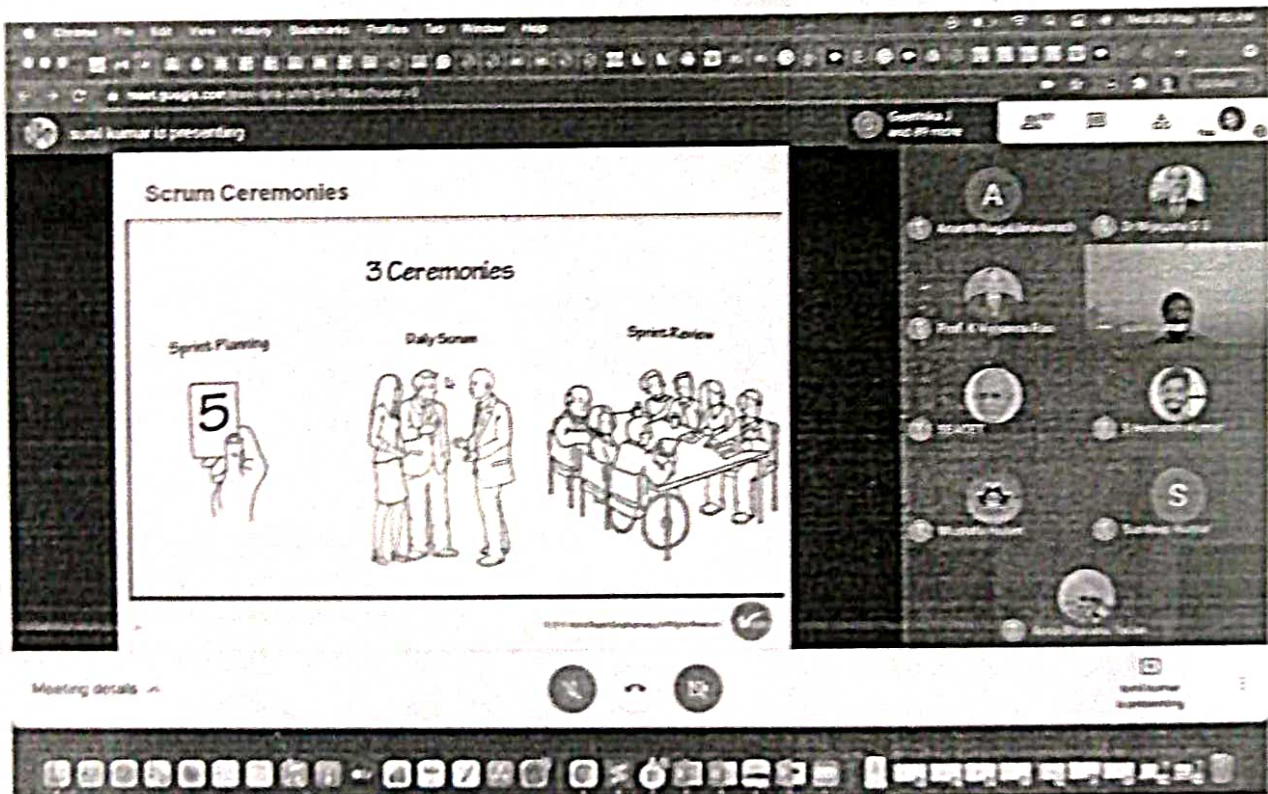
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Agile Methodology and its Principles





## Scrum as an Agile Methodology and its practices



  
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The screenshot shows a Google Meet interface. The main window displays a presentation slide titled "Scrum Workflow". The slide content includes a diagram of the Scrum process with icons for Product Backlog, Sprint Planning, Daily Scrum, Sprint Review, and Retrospective. A large circular arrow icon with the text "Sprint Cycle" is in the center. Below the diagram, it says "Repeat this workflow for each sprint". The right sidebar shows a grid of participants' video feeds. At the bottom, there is a toolbar with various meeting controls like mute, video, chat, and screen sharing.

## Benefits of Agile Methodology

The screenshot shows a Google Meet interface. The main window displays a presentation slide titled "Benefits of Agile". The slide features a central graphic of a tree with "AGILE" at the base. Branches of the tree lead to various benefits: "Easier to Change", "Higher Revenue", "Increased Productivity", "Quality", "Right Product", "Fun", "Time-to-Market", "Reduced Risk", "Steady Stakeholder", and "Flexibility". The text "Benefits of AGILE" is prominently displayed on the right side of the slide. The right sidebar shows a grid of participants' video feeds. At the bottom, there is a toolbar with various meeting controls like mute, video, chat, and screen sharing.

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## Agile Software Development

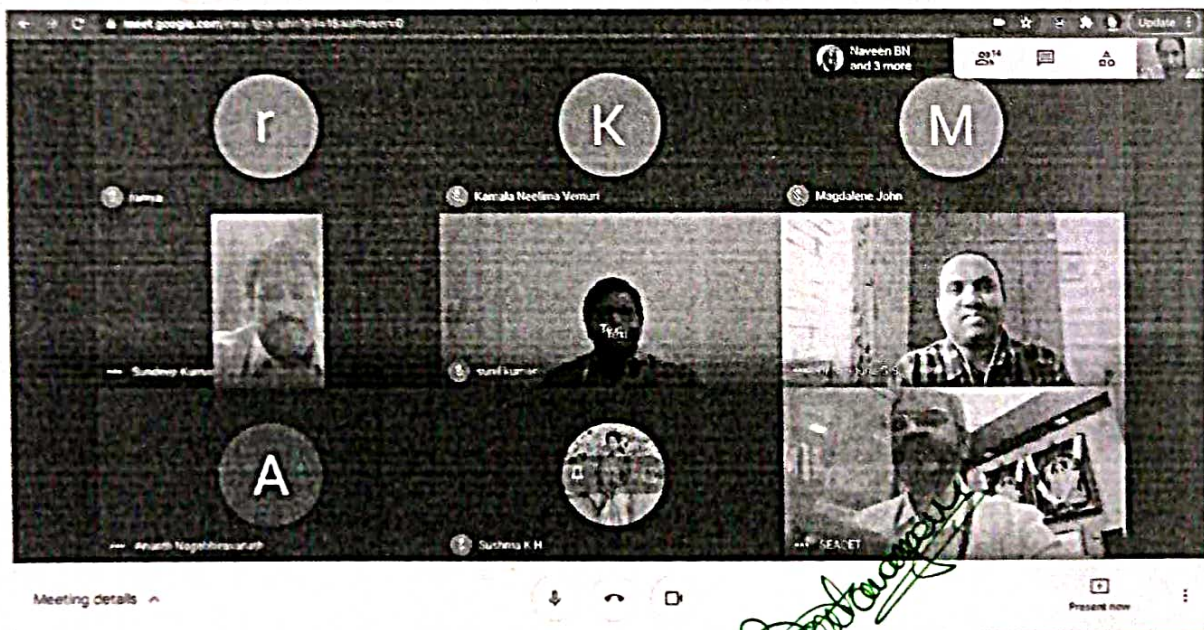
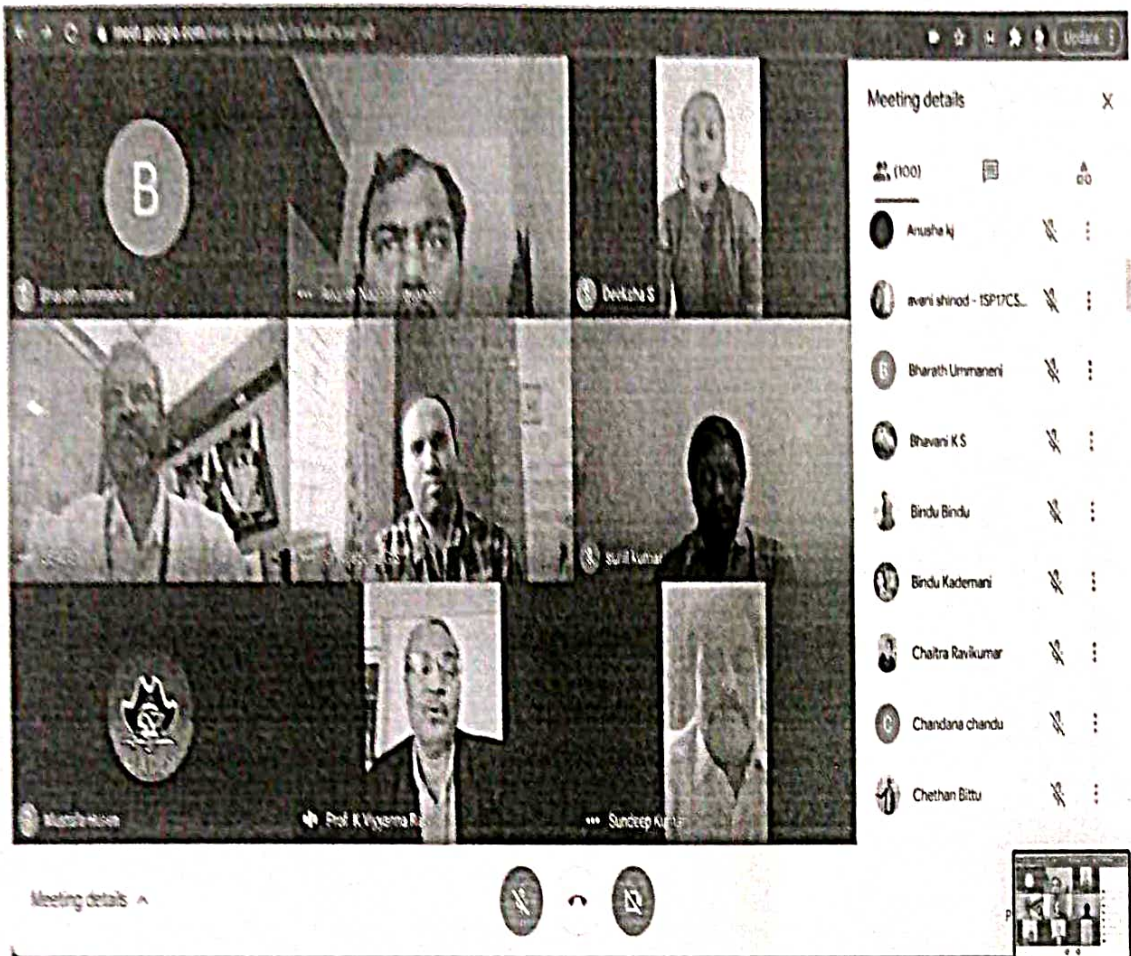


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SEA COLLEGE OF ENGINEERING AND TECHNOLOGY



DEPARTMENT OF CSE/ISE

A. KRISHNAPPAJI

FOUNDER CHAIRMAN

ORGANIZES A WEBINAR ON

"AGILE SOFTWARE DEVELOPMENT"

INVITED SPEAKER



GUMMADI SUNIL KUMAR MTECH (CSE)

SENIOR SOFTWARE ENGINEER

NESS TECHNOLOGIES

DATE: 26/05/2021

TIME: 11:00 AM TO 12:00 PM

GOOGLE MEET LINK: [meet.google.com/ewv-tjna-uhn](https://meet.google.com/ewv-tjna-uhn)

MODERATOR

DR. K. SUNDEEP KUMAR

HOD, DEPT OF CSE

SEACET, BANGALORE

PRINCIPAL

DR. B. VENKATANARAYANA

SEACET, BANGALORE

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S.E.A. Group of Institutions

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Vice President, State OBC Morcha, BJP

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MLA, Hiriyur Assembly Constituency

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Director, SEA Group of Institutions

Former Vice Chancellor, Acharya Nagarjuna University

**Dr. K. Suresh**

Principal,

Sea College Of Engineering And Technology

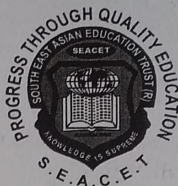
## Convener

**Dr. Sonu Nagori**

HOD-MBA, SEACET

Program Coordinator

MASTER OF BUSINESS ADMINISTRATION DEPARTMENT  
SEACET



# S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY

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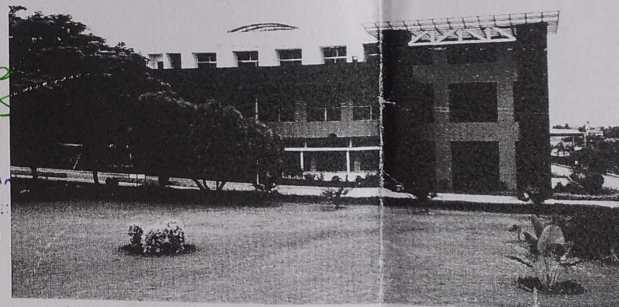
(Affiliated to VTU, Belgaum approved by AICTE)

Ekta nagar, Basavanpura, Virgonagar Post, (K R Puram), Bangalore - 560036

## DEPARTMENT OF MBA

### ORGANIZES

## One-Day Workshop on PATENTS, INTELLECTUAL PROPERTY RIGHTS & ETHICS



17<sup>th</sup> December 2019 {TUESDAY}

Venue: A/C Seminar Hall, SEACET

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## ABOUT SEACET

S.E.A Education Trust runs a number of Educational Institutions offering education starting from pre-school to advanced levels of graduate and post graduate programmes in Arts, Science, Commerce, Education, Management, Engineering and Paramedical disciplines to learner's community belonging to various strata of the society, irrespective of their caste, creed and religion at the most affordable costs. All the Institutions/Programmes offered by the Trust are recognised by the competent Academic Administrative Bodies of our State/GOI and the Trust is taking giant strides to be a predominant member on the Global Education Sector as a provider of quality education in the cited specialised disciplines of primary and higher education levels.

## ABOUT DEPARTMENT

The S.E.A college offers MBA programme that has been designed to prepare students for management careers, providing a unique offerings of leadership-oriented courses and curriculum. This programme helps you to develop a clear understanding of the business functions. One will also gain knowledge and hands-on skills in technology-related fields. The approach will make the skills and knowledge adaptable to a variety of industries, functions and work environments.

## ABOUT THE IPR PROGRAMME

Creativity and innovation are new drivers of the world economy. With the increasing relevance of Intellectual Property (IP) in this era of globalization, it is important to recognize the role which IP systems play in the growth of the Nation. The intellectual property system helps a nation to strike a balance between the interests of innovators and public interest, providing an environment where creativity, innovation can flourish for the benefit of all. It is also needed for the well being of humanity, to create, invent new thing in technology and culture. The legal protection spurs economic growth, protection to the owners, inspiration for future inventions and research.

## OBJECTIVES OF THE WORKSHOP

The main aim of workshop is to impart greater awareness about the issue of Intellectual Property Right (IPR), which has gained a special importance for all the domains of socio-economic development. The major objectives of the workshop are:

- To strengthen and expand human resources, institutions and capacities for teaching, training, research and skill building in IPRs
- To focus and develop potentiality between participants to think beyond the curriculum introducing inter disciplinary thinking.
- To create an overview of Indian Patent Act & the process of granting patents.

## PROGRAMME SCHEDULE:

SESSIONS	TIMING	TOPICS COVERED
I	10.00– 11.15 am	Inaugural Session
II	11.30 – 1.30 pm	Session1: Importance of Patents, Patenting System in India by Ms. Harshitha Suresh
III	2.00 – 3.30 pm	Session-2, An overview on Trademarks and Copyrights by Ms. Sumaiya Banu
	3.30– 4.00 pm	Valedictory

## Resource Person

The resource persons are IPR, Patent experts from industry and academia.

**Ms. Harshitha Suresh** LLB(Hons.), LLM (New York)

She is currently associated as a practicing lawyer in Intellectual Property of Law and Litigation. Also working as an associate for ATV Legal.

**Ms. Sumaiya Banu** (LLB, MBA)

She is currently associated with HKBK College as Head in the department of humanities. She has also been serving as a practitioner in High Court of Karnataka for few years.

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## POTENTIAL BENEFICIARIES

Academics, Faculty members, Scientists, Research scholars, Students, who are into research and want to know more about IPRs, Patents, commercialization and Technology Transfer procedures.



## One-Day Workshop on

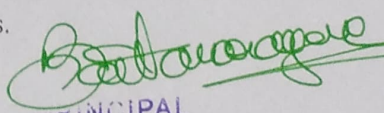
## PATENTS, INTELLECTUAL PROPERTY RIGHTS & ETHICS



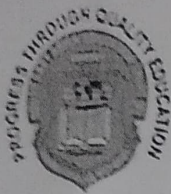
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- To create an overview of Indian Patent Act & the process of granting patents.

  
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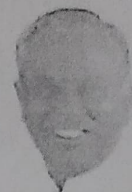




# S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY

AFFILIATED TO KJ Somaiya Technological University & APPROVED BY ALL INDIA COUNCIL OF TECHNICAL EDUCATION (AICTE)

Ekta Nagar, Near Ayyappa Nagar Circle, Devasandra Main Road, K.R. Puram, Virgonagar Post, Bangalore - 49.



Sri A. Krishnappa  
Founder Chairman  
S.E.A Group of Institutions

## Certificate of Participation

This is to certify that Mr./Ms. Manjunath . T

from M. COM Department has participated in the Workshop on

Patents, Intellectual Property Rights and Ethics at S.E.A College of Engineering &

Technology on 17th December 2019.

*K. Venk*  
Director

*[Signature]*  
Principal

*[Signature]*  
Secretary

*[Signature]*

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Ekta Nagar, Basavanapura, Virgonagar Po.  
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## REPORT OF SESSION ON "HOW TO PLAN FOR START-UP AND LEGAL & ETHICAL STEPS"

**Keynote Speaker with his designation:**

**Date:** 20-06-2022

**Time:** 10:30 A.M. to 12:00 P.M.

**Venue:** A.C. Seminar Hall

An offline session on 'how to plan for start-up and legal & ethical steps' organized by Department of Placement and MBA, S.E.A College of Engineering and Technology, Bangalore on 20-06-2022. The session was organized both morning and afternoon with the timings for Morning Session 10.30 am to 12.00 pm and afternoon Session 2.00 to 3.30 pm. There were 80 enthusiastic students from various departments of S.E.A. College of Engineering and Technology. The program was presided by Dr. B. Venkata Narayana, Principal, SEACET, Dr. Chidananda Prasad .R, Placement Director, Dr. S.B. Anil Kumar HOD, MBA.



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**Ekta Nagar, A. Krishnappa Circle, Ayyappanagar  
Devasandra Main Road, Virgo Nagar Post, K.R. Puram, Bangalore - 560 049.**



**Sri A. Krishnappaaji**  
Founder Chairman  
S.E.A Group of Institutions

**Dept. of Placement and M.B.A  
In Association with IIC  
Organizes**

**Session on "How to plan for Start-up & Legal & Ethical Steps"**



**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Ministry of HRD Initiative)

**Date: 20-06-2022**

**Time: 10 A.M.**

**Venue: A.C. Seminar Hall**



**MHRD'S  
INNOVATION CELL**  
(GOVERNMENT OF INDIA)

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**Ekta Nagar, Basavanapura, Virgonagar Post**  
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S.NO.	NAME OF THE STUDENT	signature
1	AKSHAY T R	Akshay T R ✓
2	AKSHITHA P	Akshitha P ✓
3	ANANDA K	Ananda K ✓
4	ANANDA K N	Ananda K N ✓
5	ASHA R	Asha R ✓
6	CHAITRA T	Chaitra T ✓
7	DIVYA S	Divya S ✓
8	HARSHITHA V	Harshitha V ✓
9	HUBAIL T	Hubail T ✓
10	K N AKSHAY	K N Akshay ✓
11	K SOUMYA PATIL	K Soumya Patil ✓
12	LIKITHA K M	Likitha K M ✓
13	MAHESH V M	—
14	MANOJ KUMAR A B	Manoj Kumar A B ✓
15	MEGHA SHREE K R	Megha Shree K R ✓
16	MITHUN M	Mithun M ✓
17	NAGARAJ SHIDAPPA K	—
18	NANDAN D M	Nandan D M ✓
19	NAVEEN KUMAR M	Naveen Kumar M ✓
20	NETHIRAVATHI C S	Nethiravathi C S ✓
21	NIHAD N	Nihad N ✓
22	NIHAL N	Nihal N ✓
23	NISHA GUPTA	Nisha Gupta ✓
24	PAVAN M	Pavan M ✓
25	PRAMOD C S	Pramod C S ✓
26	PRATHUSHA DAS	Prathusha Das ✓
27	PRIYANKA TN	Priyanka TN ✓
28	PRIYATHARSHINI	Priyatharshini ✓
29	RAMKUMAR	Ram Kumar ✓
30	SAIKUMAR	—
31	SANDEEP A	—
32	SANDEEPA T	—
33	SANJAY KUMAR	—
34	SHIKHA PRABHAKAR	Shikha Prabhakar ✓
35	SUPRIYA	Supriya ✓
36	SWATHI M S	Swathi M S ✓
37	USHA P N	Usha P N ✓
38	VANDANA K	Vandana K ✓
39	MONISHA	Monisha ✓
40	JAGADISH BABU	—
41	MANJUNATH K P	—

*[Signature]*  
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EKTA Nagar, Near Ayyappanagar Circle, Devasandra Main Road,  
Virgonagar Post, K. R. Puram, Bangalore -560049

**SEACET –Python and Selenium Automation**

**ABOUT THE EVENT:**

Two day workshop was hosted by **SEA COLLEGE OF ENGINEERING & TECHNOLOGY** on 12/09/2019 & 13/09/2019. The event was conducted by an external guests Mr. Prabhakar Gudi of SG Software Testing Institute, Bangalore.

**Key Highlights:**

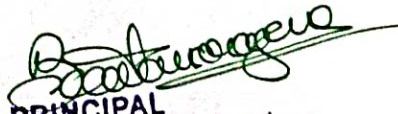
- Understanding of System Testing.
- Advantages of Automation testing.
- Using Selenium framework.

Workshop was conducted by the Department of CSE, SEA COLLEGE OF ENGINEERING & TECHNOLOGY to encourage the students to understand about using Python and Selenium for testing. This was a hands-on workshop and students were able to apply their understanding of system testing and the programming knowledge to work.

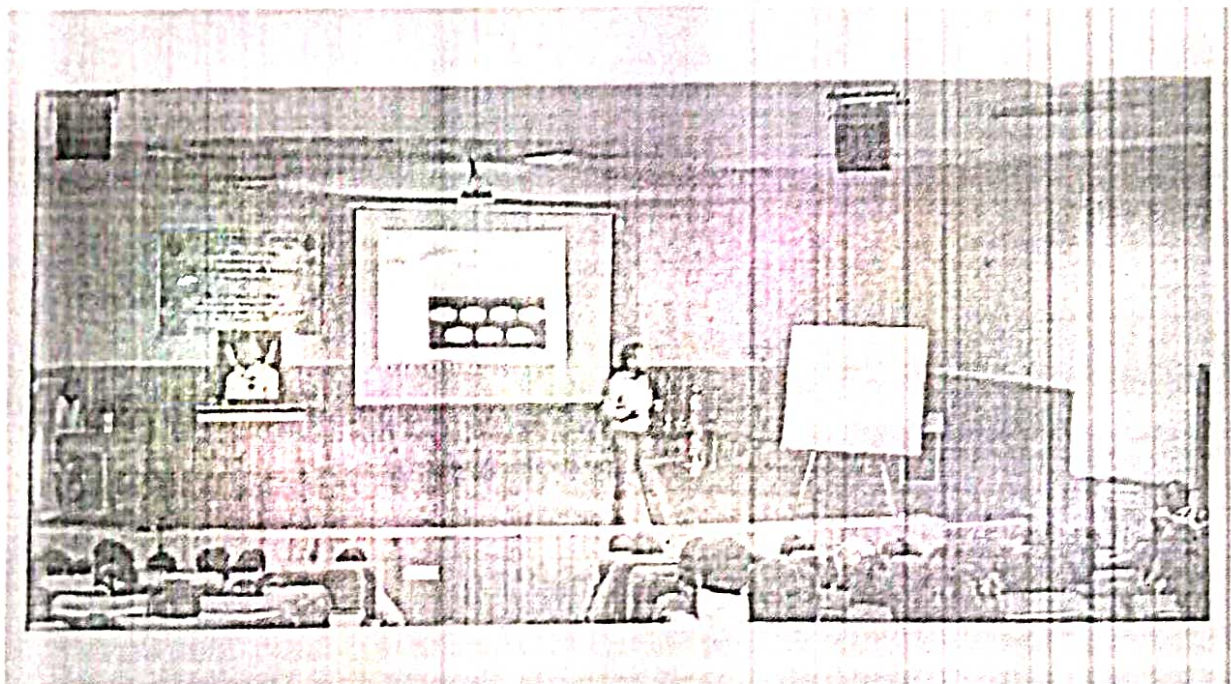
**Agenda:**

- Basics of Python
- Testing concepts – System boundaries, test scenarios & cases.
- Basics of Selenium framework.
- Hands on using Selenium with Python
- Develop Automation test cases for live project.

**Photos:**

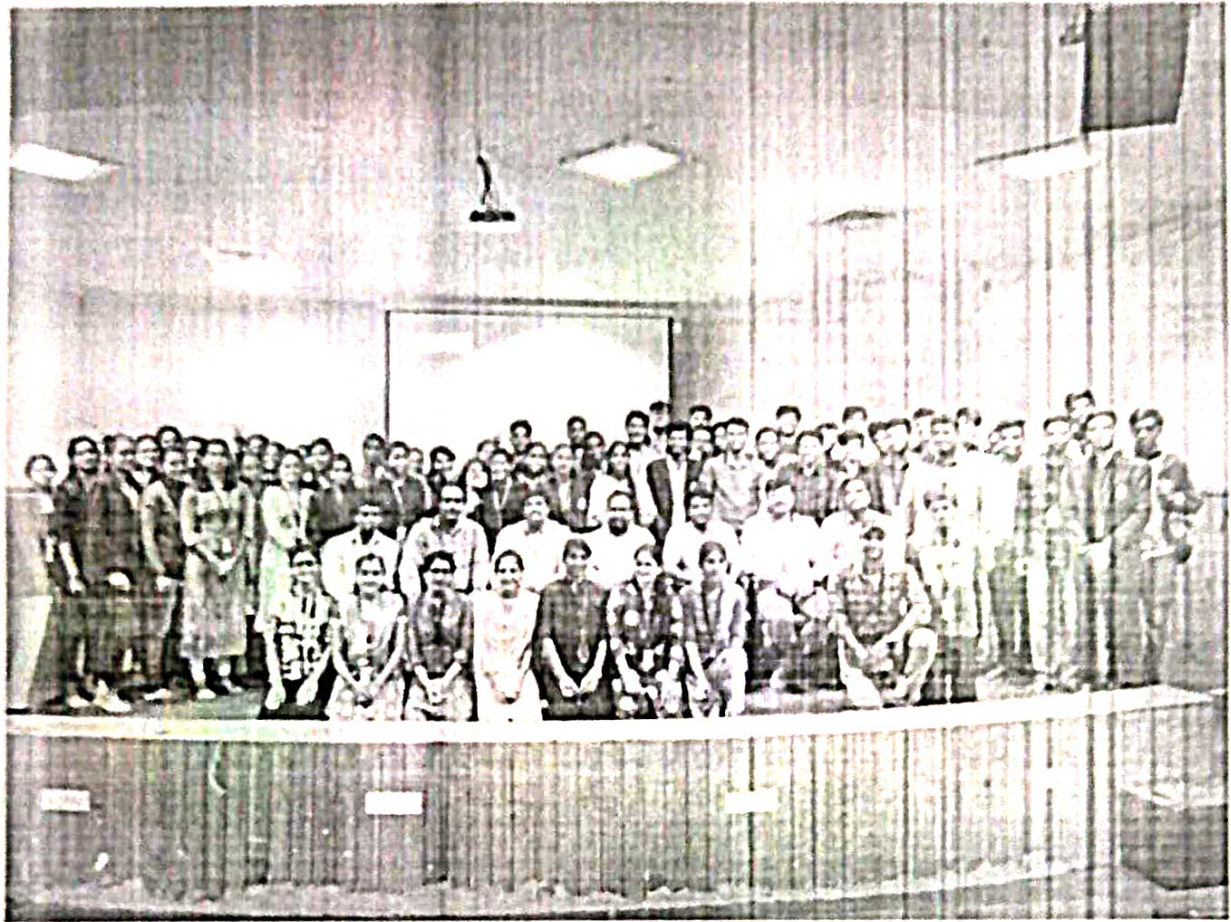
  
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BANGALORE - 560 049





  
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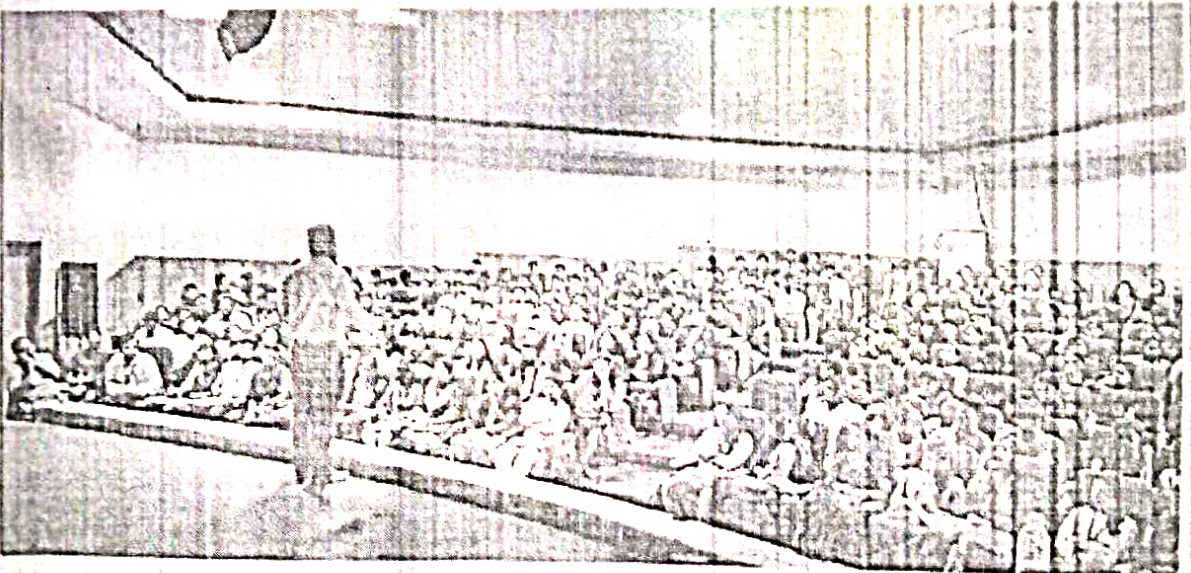




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BANGALORE - 560 049



**S E A College of Engineering & Technology, Bangalore-560 049**

**Information Science & Engineering**

**Python and Selenium workshop attendance list - VII Sem**

Sl. No	USN	Student Name	Student Signature	
			12/9/19	13/9/19
1	ISP16IS001	Abhirami A		
2	ISP16IS002	Ajay Kumar		
3	ISP16IS003	Ananya		
4	ISP16IS004	Archana		
5	ISP16IS005	Avinash kumar singh		
6	ISP16IS006	Deepak Kumar		
7	ISP16IS007	Dunna Murali		
8	ISP16IS008	Arjun S		
9	ISP16IS011	Kavitha . R		
10	ISP16IS012	Kavya S		
11	ISP16IS013	KavyaShree . S		
12	ISP16IS015	Lokesh		
13	ISP16IS016	M R Ainan Salaha		
14	ISP16IS017	Afsar pasha		
15	ISP16IS018	Mamta Kumari		
16	ISP16IS019	Manish Kumar		
17	ISP16IS020	Manjunath S		
18	ISP16IS021	Megha M		
19	ISP16IS023	Nancy Singh		
20	ISP16IS024	Naveen		
21	ISP16IS025	Prashanth		
22	ISP16IS027	Purvi Gupta		
23	ISP16IS028	Rachana		
24	ISP16IS029	Rachitha		
25	ISP16IS032	Ramya Shree C		
26	ISP16IS033	Sakshi Tripathi		
27	ISP16IS034	Sathya M		
28	ISP16IS037	Thahira Tayaba		

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29	ISP16IS038	Varshini	<i>Varshini</i>	<i>Varshini</i>
30	ISP16IS039	Vidya	<i>Vidya V</i>	<i>Vidya V</i>
31	ISP16IS040	Vidyashree	<i>Vidyashree</i>	<i>Vidyashree</i>
32	ISP16IS041	Vignesh	<i>Vignesh</i>	<i>Vignesh</i>
33	ISP16IS042	Vinay Kumar	<i>Vinay Kumar</i>	<i>Vinay Kumar</i>
34	ISP16IS043	Yasmine Taj	<i>Yasmine Taj</i>	<i>Yasmine Taj</i>
35	ISP15IS007	Divya S	<i>Divya S</i>	<i>Divya S</i>
36	ISP15IS008	Hariharan	<i>Hariharan</i>	<i>Hariharan</i>
37	ISP15IS013	Kavyashree R	<i>Kavyashree R</i>	<i>Kavyashree R</i>
38	ISP15IS014	Kishore	<i>Kishore</i>	<i>Kishore</i>
39	ISP15IS020	Ramya Shree A	<i>Ramya Shree A</i>	<i>Ramya Shree A</i>
40	ISP15IS024	Shashank	<i>Shashank</i>	<i>Shashank</i>
41	ISP15IS027	Swathi	<i>Swathi</i>	<i>Swathi</i>

*[Signature]*  
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**Information Science & Engineering**  
**Pyhton and Selenium workshop attendance list - V Sem**

Sl. No	USN	Student Name	Student Signature	
			12/9/19	13/9/19
1	ISP17IS001	CHAITHRA M	Chaitra M	Chaitra M
2	ISP17IS002	DEEKSHITHA K	Deekshitha K	Deekshitha K
3	ISP17IS003	DEEPAK KUMAR RAJ	Deepak Kumar Raj	Deepak Kumar Raj
4	ISP17IS004	HARSHITHA B G	Harshitha B G	Harshitha B G
5	ISP17IS005	HARSHITHA JH	Harshitha JH	Harshitha JH
6	ISP17IS006	HASEENA A	Haseena A	Haseena A
7	ISP17IS010	MEENA N	Meena N	Meena N
8	ISP17IS011	MONISHA L	Monisha L	Monisha L
9	ISP17IS012	MRITUNJAY UPADHYAY	Mritunjay Upadhyay	Mritunjay Upadhyay
10	ISP17IS013	R POOJA	R Pooja	R Pooja
11	ISP17IS014	ROHINI M	Rohini M	Rohini M
12	ISP17IS016	SANGEETHA C	Sangeetha C	Sangeetha C
13	ISP17IS017	SURAJ G	Suraj G	Suraj G
14	ISP17IS018	TEJAS SHARMA	Tejas Sharma	Tejas Sharma
15	ISP17IS020	YASHASWINI S	Yashaswini S	Yashaswini S
16	ISP17IS021	YESHASWINI P	Yeshaswini P	Yeshaswini P
17	ISP16IS009	GANESHA B	Ganesha B	Ganesha B
18	ISP16IS014	KRISHNA PRASAD	Krishna Prasad	Krishna Prasad
19	ISP16IS031	RAKSHITHA	Rakshitha	Rakshitha

  
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# Certificate of Participation

This certificate is awarded to

Mr./Mrs. Muniprasanthi Asst professor Dept of ITSE

for Successful completion of Workshop on Python and Selenium Automation

Organised by S G Software Testing Institute on 12<sup>th</sup> & 13<sup>th</sup> Sep 2019



**S G Software Testing Institute**

Authorised Signatory

S G Software Testing Institute

#403, Ground Floor, 7th Main, 5th Cross, Hampinagar  
RPC Layout, Vijayanagar, Bangalore - 560 040.

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# S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ektanagar, Basavanapura, Virgonagar Post, (K.R.Puram) BANGALORE-560049

## Department of Electronics and Communication Engineering

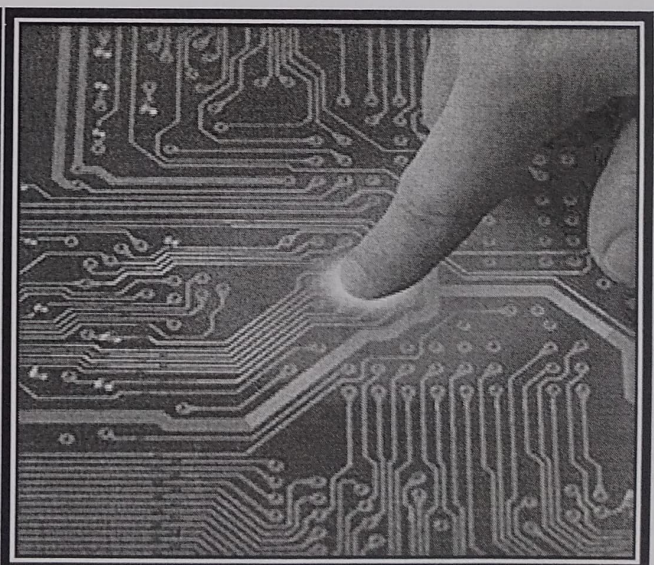
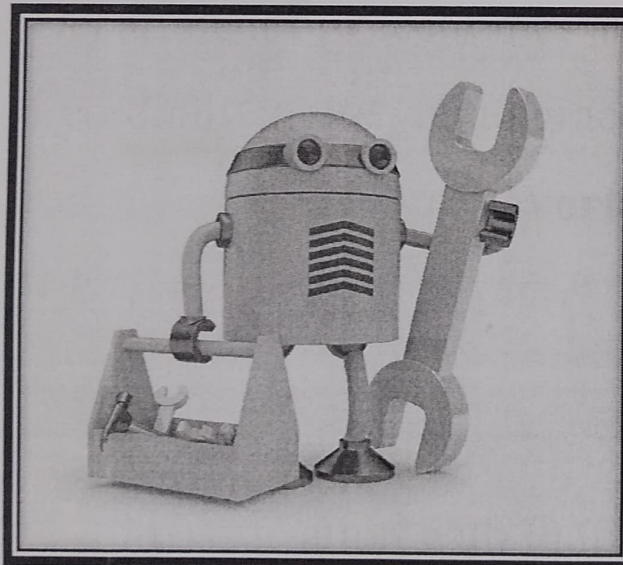
### INVITATION

The Management, Principal, Faculty and Students of  
Department of Electronics and Communication Engineering  
cordially invite you to grace the Inaugural of Two - days,

Workshop on

## **“ANDROID APP DEVELOPMENT FOR EMBEDDED SYSTEM”**

in association with Indian Tech - Keys, Bengaluru.



**Date:** 4<sup>th</sup> April 2019

**Time:** 8.30 AM onwards

**Venue:** A/C Seminar Hall

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# “Android App Development for Embedded System”

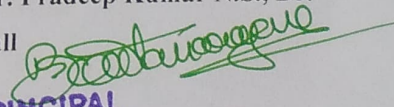
Engineering education and leading technology has always been a challenge for the industries. There are gaps between what is needed and what is taught. Complaints about student quality pour in constantly from industry and the gap is expanding continuously due to new inventions and innovations. In fact, there is a group working to bridge the gap. Science and technology advancement is galloping at a faster speed than the curriculum and syllabus revision.

In an effort to bridge this gap, the Department of Electronics and Communication Engineering, SEACET, organized a two-day workshop on “**Android App Development for Embedded Systems**” in association with renowned Indian Tech - Keys, Bangalore, on 4<sup>th</sup> and 5<sup>th</sup> April 2019 (Friday and Saturday). Mr. Kotresh was the resource person included for the entire session.

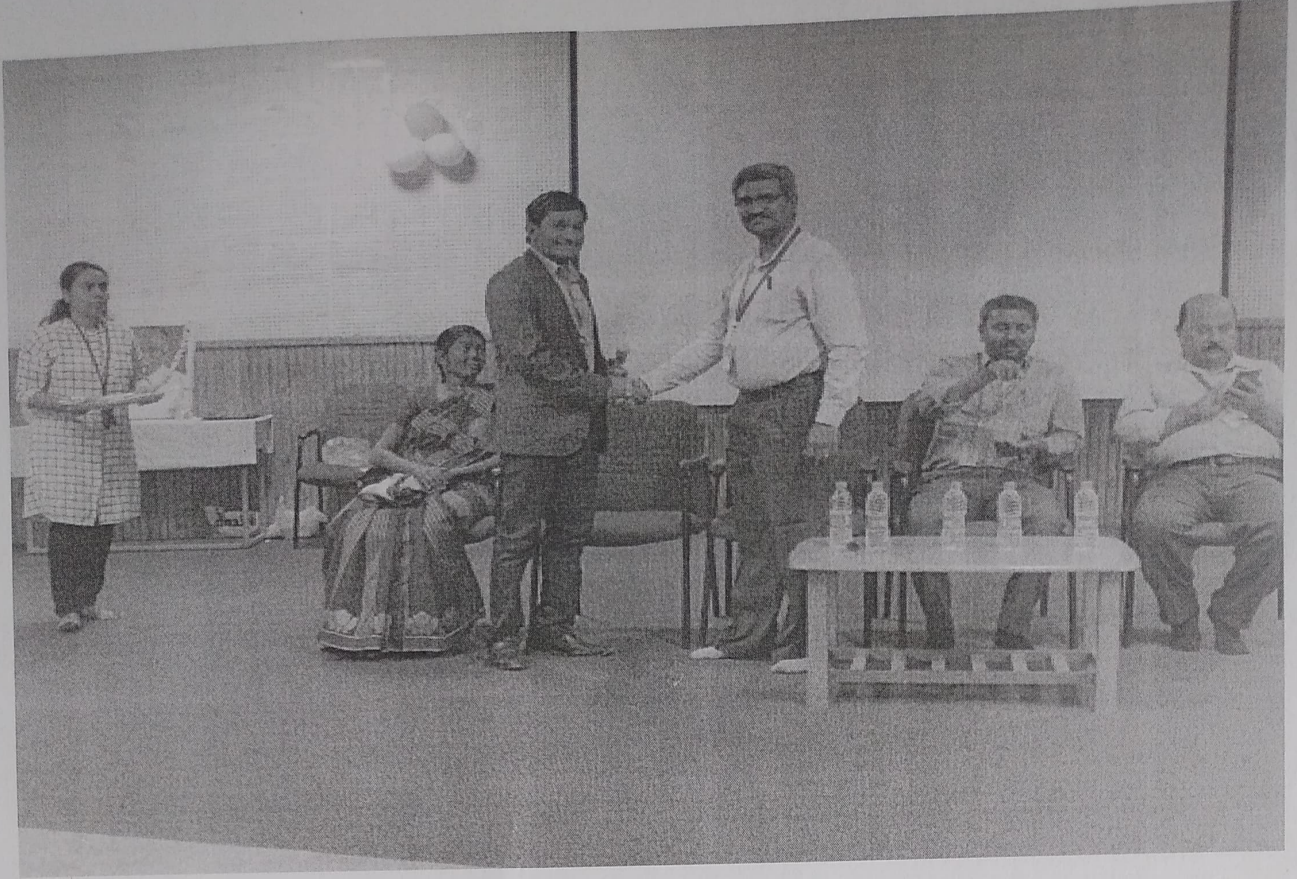
The workshop was inaugurated by Dr. B. Venkatanarayana, Vice Principal, SEACET in AC Seminar hall at 9AM on 4<sup>th</sup> April 2019. The function was presided by Dr. Pradeep Kumar N.S., Professor and Head, ECE, Dr. Hossanna Prici, Assoc. Professor, Dept. of ECE and Dr. Bhagat, Professor and Head, MBA along with the invitees from respective departments of SEA College of Engineering and Technology. Snapshots from the inaugural are presented below.



From Left: Dr. P Hossanna Princey, Mr. Kotresh M, Dr. B Vekatanarayana, Dr. Pradeep Kumar N.S., Dr. Bhagat during Inaugural ceremony at AC Seminar Hall

  
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Mr. Kotresh, Resource Person, Indian Tech- Keys addressing the participants

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## About Indian Tech – Keys:

Indian Tech-Keys is the brainchild of RVCE, Bangalore alumni which came up with an intention to make the students dear to technology. Their objective is to expose the young brains to various technologies used in the real time apart from syllabus. It will help them bring up their hidden passion and decide their career. Hands on practice technique, will develop more interest among them and they will be more excited to know more and more as they will inspect the results of what they have done.

Indian Tech-Keys strive to fill the void between students' community and current technologies by conducting quality hands on workshops on latest technologies like PCB, ARM, Arduino, Robotics, Copters and Android tools.

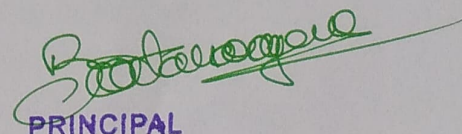
## About Workshop:

Android is a mobile operating system developed by Google. It is based on a modified version of the Linux kernel and other open source software, and is designed primarily for touch screen mobile devices such as smart phones and tablets. In addition, Google has further developed Android TV for televisions, android auto for cars and wear OS for wrist watches, each with a specialized user interface. Variants of Android are also used on game consoles, digital cameras, PCs, several embedded systems and other electronics.

An embedded system is a combination of computer hardware and software, fixed in capability or programmable, designed for a specific function or functions within a larger system. It is embedded as part of a complete device including hardware and mechanical parts. Embedded systems control many devices in common use today. Industrial machines, process industry devices, automobiles, medical equipment, cameras, household appliances, airplanes, vending machines and toys, as well as mobile devices, are possible locations for an embedded system. Embedded systems are computing systems, but they can range from having no user interface (UI), for ex., on devices in which the system is designed to perform a single task -- to complex graphical user interfaces (GUIs), such as in mobile devices. User interfaces can include buttons, LEDs, touch screen sensing and more. Some systems use remote user interfaces as well. Ninety-eight percent of all microprocessors manufactured are used in embedded systems.

The workshop focused on covering the following concepts.

- Brief explanation for Android OS architecture.
- Concept to Product development skill.
- Exposure to methodology of Android App development.



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- On board sensors introduction and integration of those sensors in Android App.
- Communication establishment for data sending through Bluetooth.
- Exposure to embedded system coding.
- Logic Gates implementation in Embedded system programming.
- Android App Development for Embedded System Control.
- Android App Development for Robotics Control.
- Multiple sensors introduction and integration with Arduino Uno Board.
- Driver circuits introduction and integration with Arduino Uno Board.
- Interfacing DTMF, Bluetooth & Wi-Fi Modules.

On day 1 participants learnt the knowhow of android app designing as well installing the same on their phones on spot, using **MIT App Inventor** an intuitive, visual programming environment that allows an user to build fully functional apps for smartphones and tablets. On the following day students implemented Logic gates using Embedded C and verified the same on Arduino boards that were provided by Indian Tech-Keys. Towards the end the teams were made to control a pre designed robot through the app designed by students.

A total of 52 students from upto VI sem of Dept of ECE and CSE actively participated in the workshop. The participants were happy to learn the technology and were willing to attend many more such workshops in the near future.

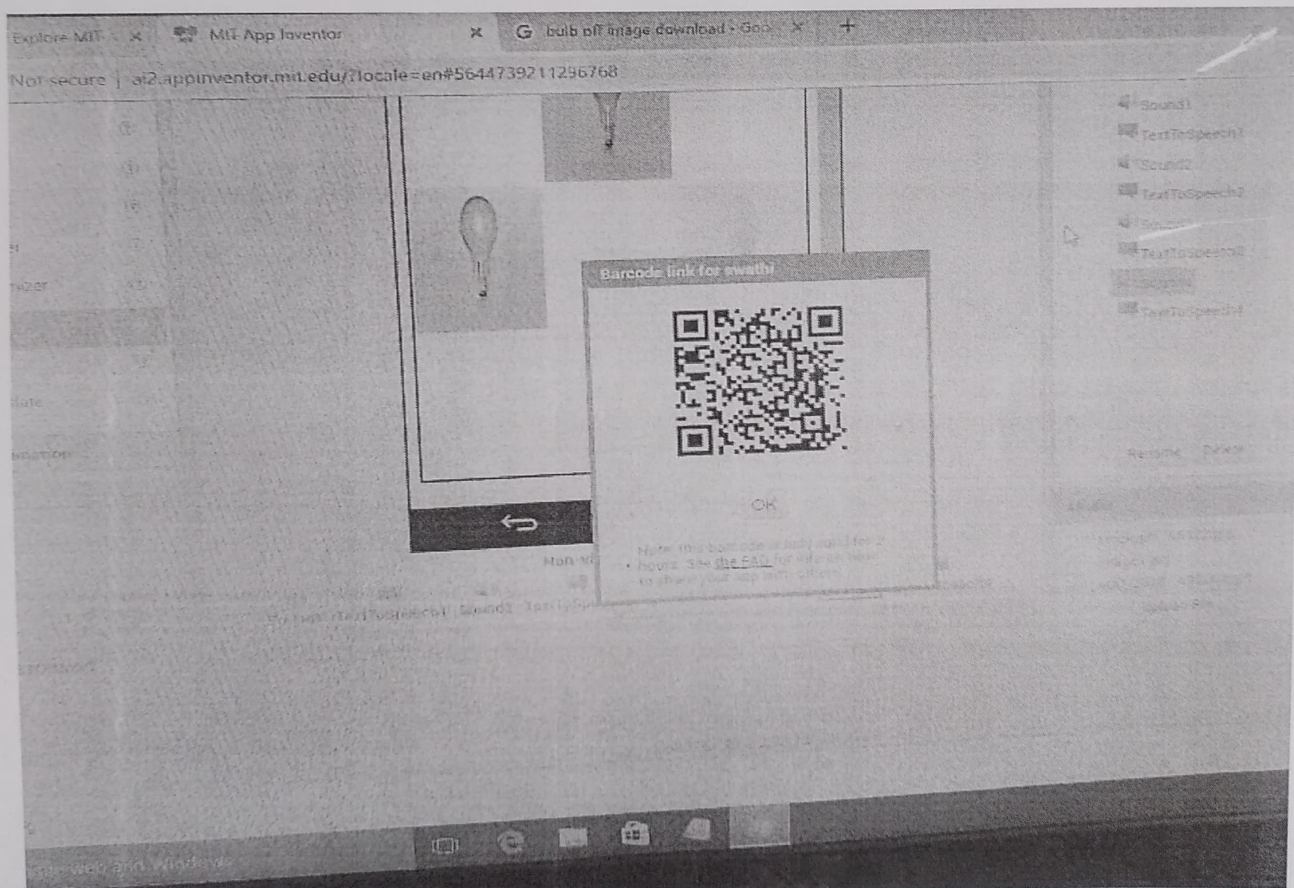
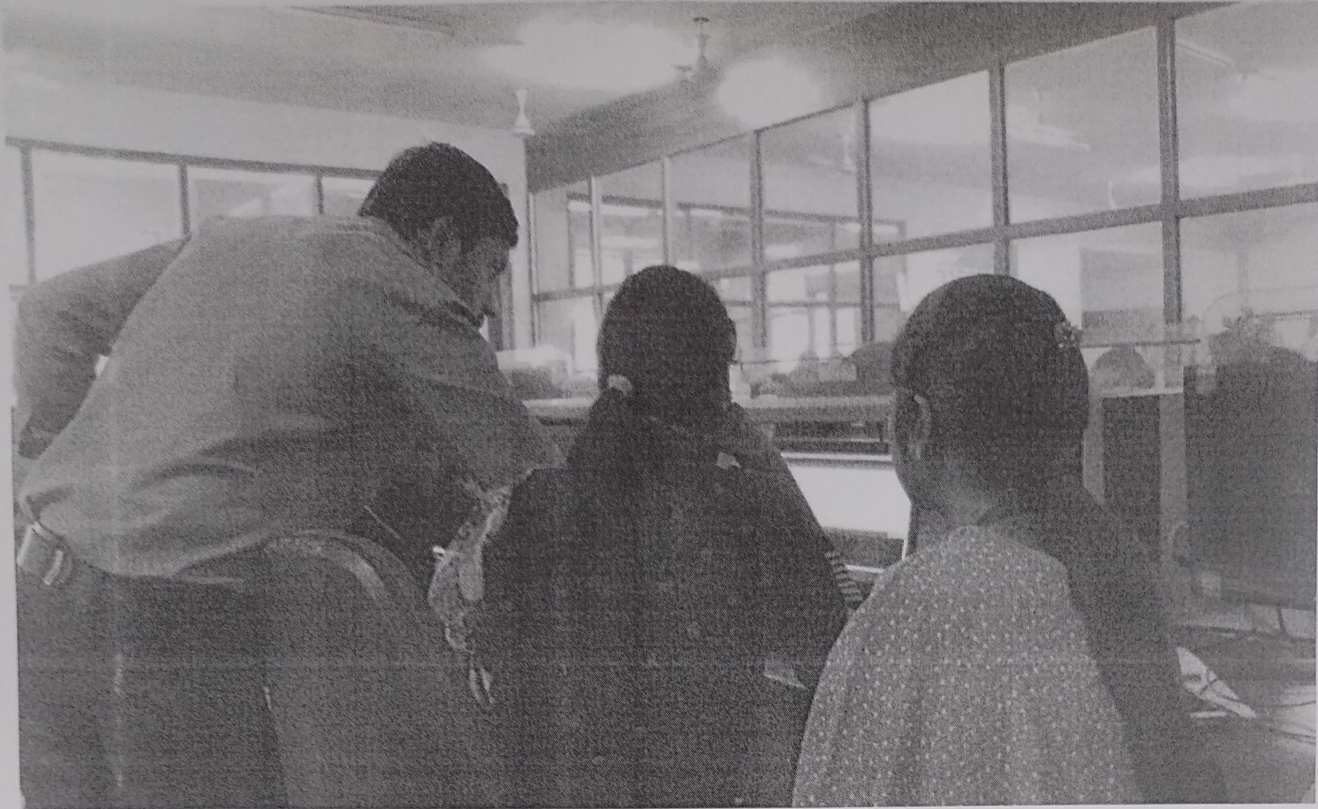
A snapshot of workshop can be seen in following pictures.



Students being addressed on Android and Embedded Systems

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QR code generated on MIT App Inventor to install app in Phone

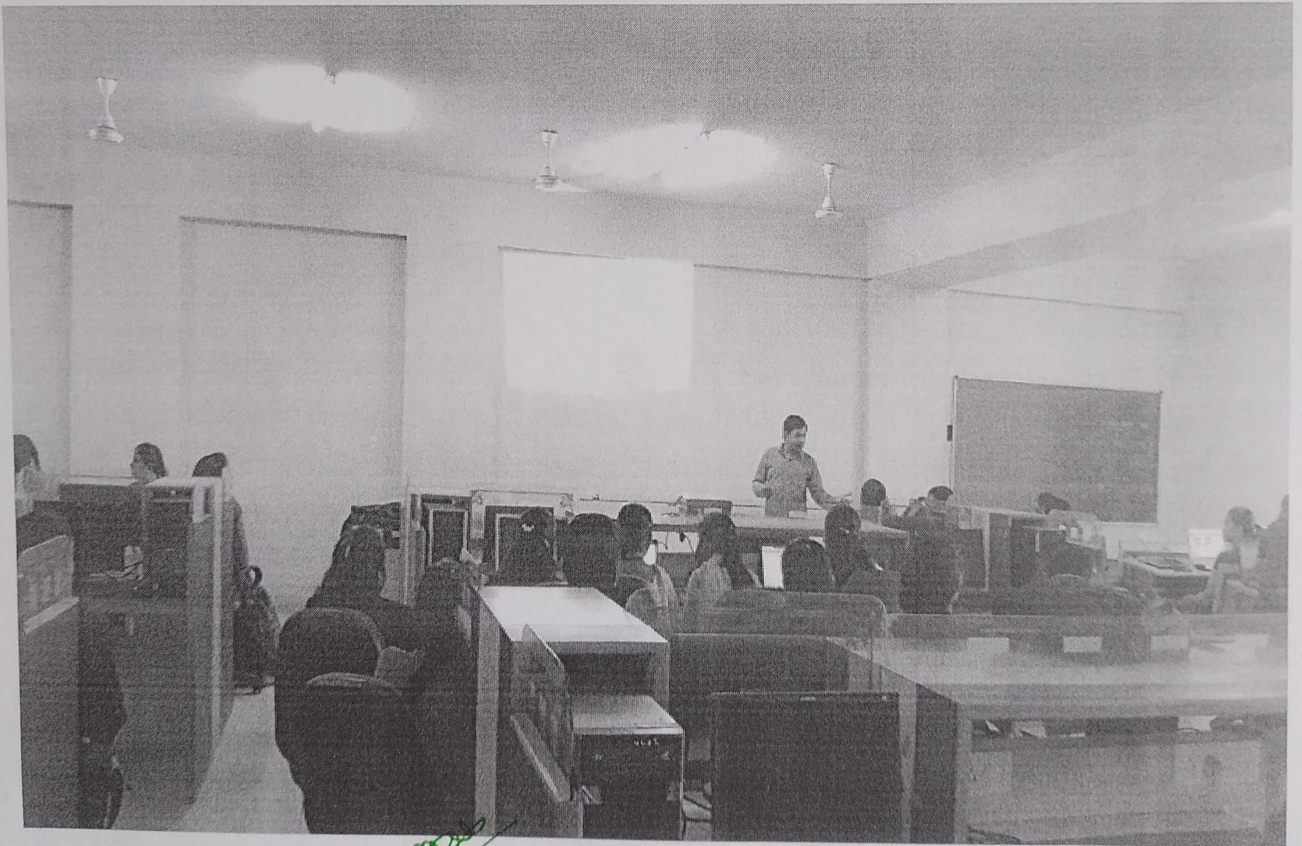
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**Hands-on session**



*Signature*

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**BANGALORE - 560 049**



**List of Students Participation for Android App Development  
for Embedded system Workshop 4th April 2019**

S.NO	USN NO	NAME	Semester	Signature
1	ISP17EC001	ATUL BHARDWAJ	IV	Atul B.
2	ISP17EC002	CHAITRA U	IV	Chaitra U.
3	ISP17EC003	DEEPIKA	IV	Deepika
4	ISP17EC005	DIVYA S KUMAR	IV	Divya S. Kumar
5	ISP17EC008	JEEVAN A	IV	Jeevan A.
6	ISP17EC009	JITHIN B V	IV	Jithin B.V.
7	ISP17EC010	KALYAN M	IV	Kalyan M.
8	ISP17EC011	KAVYA P	IV	Kavya P.
9	ISP17EC013	MANASA C	IV	Manasa C.
10	ISP17EC014	MEGANA REDDY	IV	Megana Reddy
11	ISP17EC015	MEGHA K	IV	Megha K.
12	ISP17EC016	NAVEENKUMAR B V	IV	Naveenkumar B.V.
13	ISP17EC017	NITHIN H S	IV	Nithin H.S.
14	ISP17EC019	PAVAN M	IV	Pavan M.
15	ISP17EC021	PRASHANTH KUMAR	IV	Prashanth Kumar
16	ISP17EC022	PREMA S	IV	Prema S.
17	ISP17EC023	RAJEETHA L P	IV	Rajeetha L.P.
18	ISP17EC025	SANGEETHA S	IV	Sangeetha S.
19	ISP17EC026	SHASHANK S	IV	Shashank S.
20	ISP18EC400	YASH RAJENDRA	IV	Yash Rajendra
21	ISP14EC039	NANDINI	VI	Nandini
22	ISP14EC078	SHWETHA	VI	Shwetha
23	ISP14EC079	REHMA PEARL	VI	Rehma Pearl
24	ISP15EC049	SOWMYA	VI	Sowmya
25	ISP16EC002	AARON FERNANDES	VI	Aaron Fernandes
26	ISP16EC004	AISHWAYRA S	VI	Aishwayra S.
27	ISP16EC005	AJAY T R	VI	Ajay T.R.
28	ISP16EC009	ARUN KUMAR N	VI	Arun Kumar N.
29	ISP16EC010	ARUNA T	VI	Aruna T.
30	ISP16EC011	AVINASH PAL	VI	Avinash Pal
31	ISP16EC013	BINDU S K	VI	Bindu S.K.
32	ISP16EC015	CHAITRA B V	VI	Chaitra B.V.
33	ISP16EC022	DIMPHNA D SOUZA	VI	Dimphna D.Souza
34	ISP16EC026	HARINI A	VI	Harini A.
35	ISP16EC029	KALPANA S T	VI	Kalpana S.T.
36	ISP16EC030	KARPAKAVALLI	VI	Karpakavalli
37	ISP16EC031	KAVYA P DESHPANDE	VI	Kavya P. Deshpande
38	ISP16EC036	KUSUMA B	VI	Kusuma B.
39	ISP16EC037	M DAMODAR	VI	M. Damodar
40	ISP16EC038	MAHESH GOUDA	VI	Mahesh Gouda
41	ISP16EC039	MANJULA A	VI	Manjula A.
42	ISP16EC040	MANJULA R	VI	Manjula R.
43	ISP16EC041	MANOGNA D S	VI	Manogna D.S.
44	ISP16EC055	PRATHIBHA C	VI	Prathibha C.
45	ISP16EC056	PRIYADHARSHANI K	VI	Priyadharshani K.

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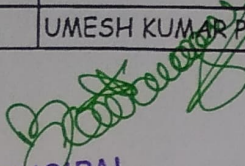
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46	1SP16EC071	SHEETAL M S	VI	Sheetal M.S.
47	1SP16EC077	SURYA S	VI	Surya S
48	1SP16EC078	SUSHMITHA K R	VI	Sushmitha K.R.
49	1SP16EC079	SWATHI S	VI	Swathi S.
50	1SP16EC080	TEJASHWINI S A	VI	Tejashwini S.A.
51	1SP16EC081	THASMIYA ANJUM	VI	Thasmiya Anjum
52	1SP16EC083	UMESH KUMAR P N	VI	Umesh Kumar P.N.

  
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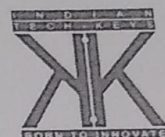


# INDIAN TECH-KEYS

*Born To Innovate*

## CERTIFICATE

— OF APPRECIATION —



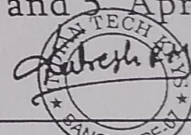
THIS CERTIFICATE IS PROUDLY PRESENTED TO

**BINDU S. K**

For successfully organizing workshop on  
**Android App Development for Embedded System**

Organized by the Department of Electronics and Communication Engineering at  
**S.E.A College of Engineering and Technology, Bengaluru** on 4<sup>th</sup> and 5<sup>th</sup> April 2019.

"WILLING IS NOT ENOUGH YOU MUST DO IT,  
KNOWING IS NOT ENOUGH YOU MUST APPLY IT"



Kotresh Mundragi (Director)  
INDIAN TECH-KEYS

*[Signature]*

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# S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ektanagar, Basavanapura, Virgonagar Post, (K.R.Puram) BANGALORE-560049

## Department of Electronics and Communication Engineering

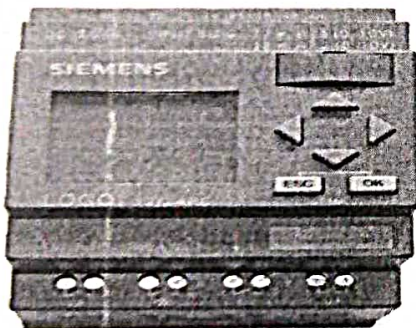
### INVITATION

The Management, Principal, Faculty and Students of  
Department of Electronics and Communication Engineering  
cordially invite you to grace the Inaugural of One day,

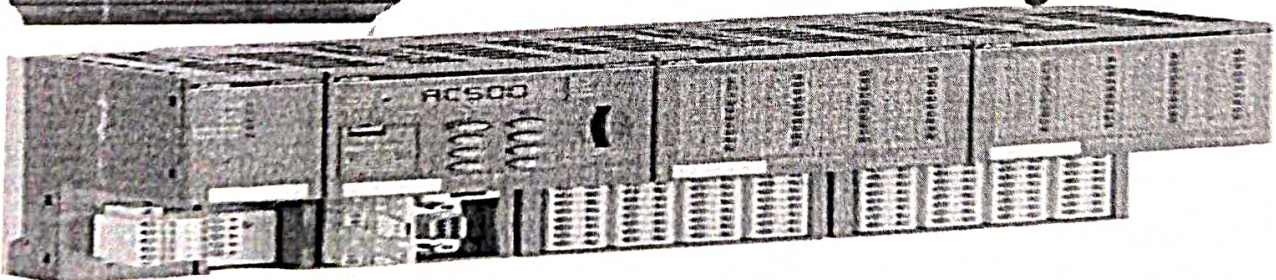
Workshop on

## **“PROGRAMMABLE LOGIC CONTROLLER (PLC)”**

in association with Livewire, Bengaluru.



## Programmable Logic Controller PLC Training



Date: 2<sup>nd</sup> March 2019

Time: 8.30 AM onwards

Venue: A C Seminar Hall

*Ravi Kumar*  
PRINCIPAL

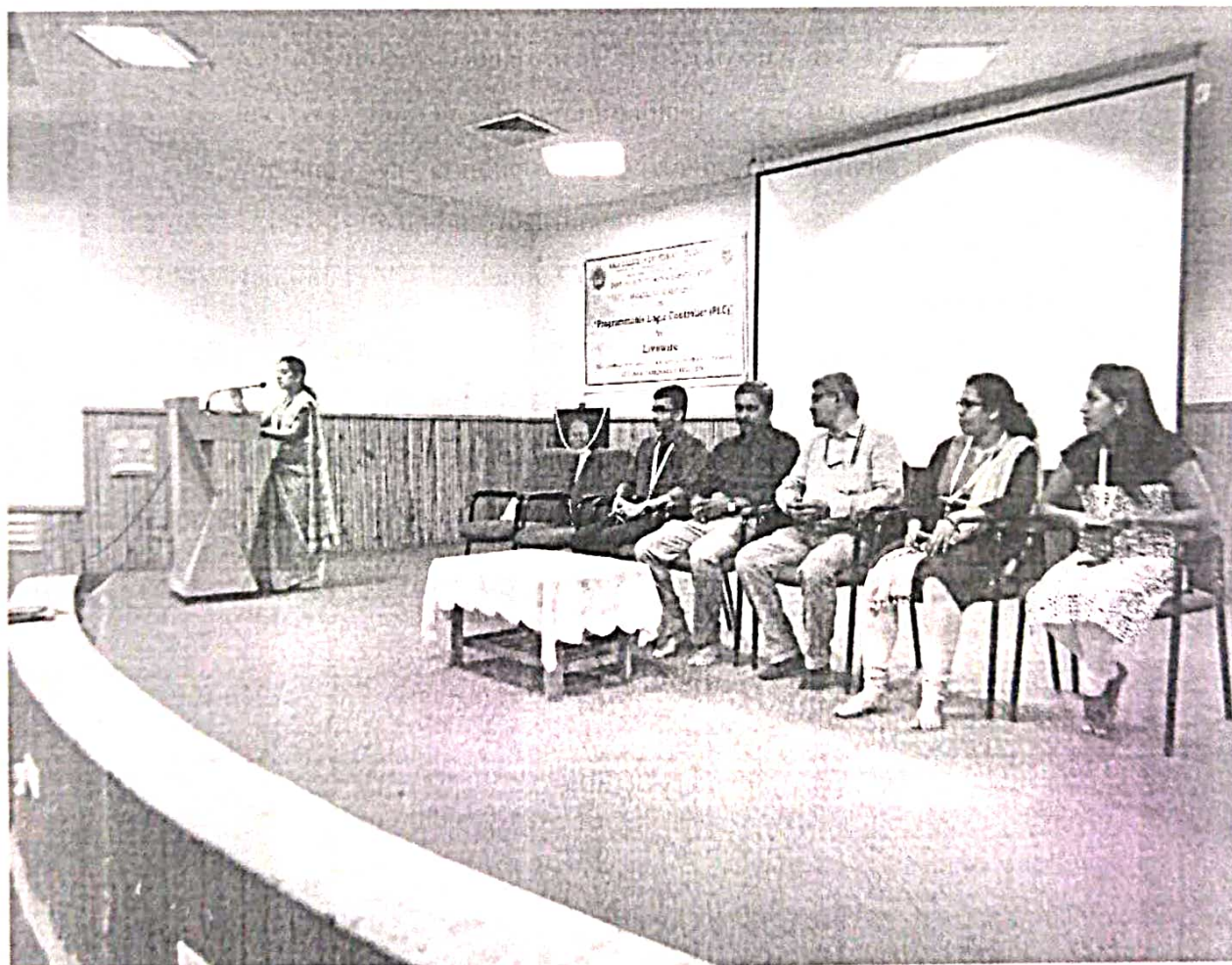
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## A Report on “PLC Workshop”

In the interest of students Department of Electronics and Communication Engineering organized a one-day workshop on “Programmable Logic Controller (PLC)” on 02-03-2019 (Saturday). This workshop was conducted by Livewire, Whitefield, Bangalore. The resource persons included Mrs. Hemalatha, Instrumentation Engineer, Mr. Harishankar, Technical Support, and Ms. Nandini T. V., Academic Counselor from Livewire.

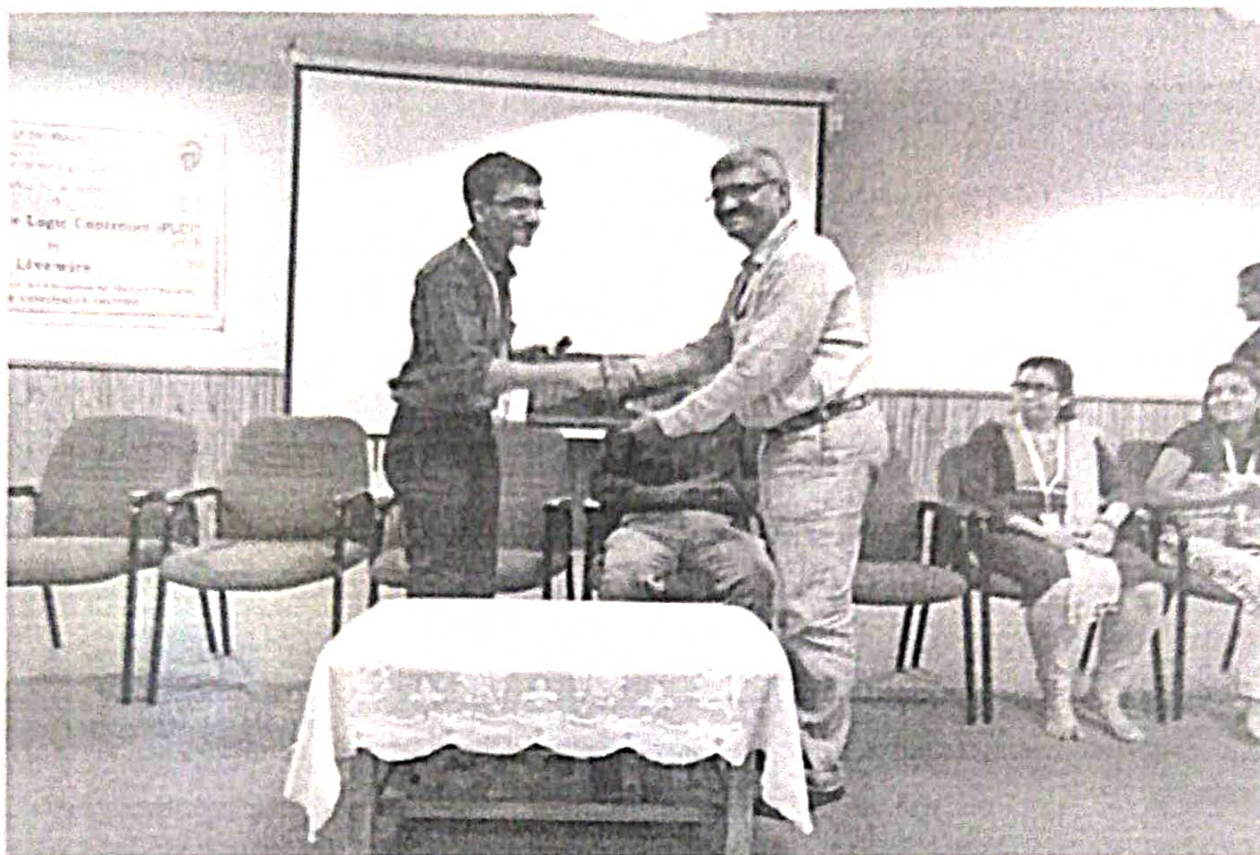
The workshop began at 8.30AM, with an inaugural program at AC Seminar hall. The function was presided by Dr.B Venkatanarayana, Vice Principal, Dr. Pradeep Kumar N.S., HOD, ECE, the resource persons and the invitees from respective departments. Snapshots from inaugural are presented below.



Inaugural ceremony at AC Seminar Hall

  
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**Memento being presented to Resource person**

#### **About Livewire:**

LIVEWIRE promotes niche training in IT, Electronics & Electricals creating experts for emerging technology in industries and specialist technology jobs. A part of CADD Centre, which is Asia's largest CAD/CAM/CAE training institute, LIVEWIRE is present in 100 locations across India and 6 Countries. They focus on courses that are at the intersection of software, hardware, networking and management while catering to the skill requirements of industries.

They offer courses in association with world's leading technology companies such as Cadence, CompTIA, Oracle, EC-Council, Axelos and Siemens.

#### **About Workshop:**

PLC is an industrial digital computer that makes logical decisions for automated machines. Its expertise is used for dynamic development, subsequent control, counters and timers, programming ease and control, for the mechanical automation process in manufacturing units and construction buildings. PLC is generally used in industries, which helps to eliminate the hard wiring compared with standard relay control circuits, thereby improving productivity.

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The entire workshop was divided into two sessions. In the first session Mrs. Hemalatha introduced the key concepts of PLC such as,

- Introduction to Automation
- Applications of Industrial Automation
- PLC architecture and features
- Logic programs and
- Ladder diagram implementation on tool



**Session 1: Students being addressed on PLC**

This was followed by a hands-on session at CCN, ARM Lab, where students worked on OMRON PLC software.

Due to its industrial relevance, the workshop was open to all IV, VI and VIII semester students. A total of 72 students attended the workshop. The response was positive. A glimpse from the workshop is presented in the following pictures.

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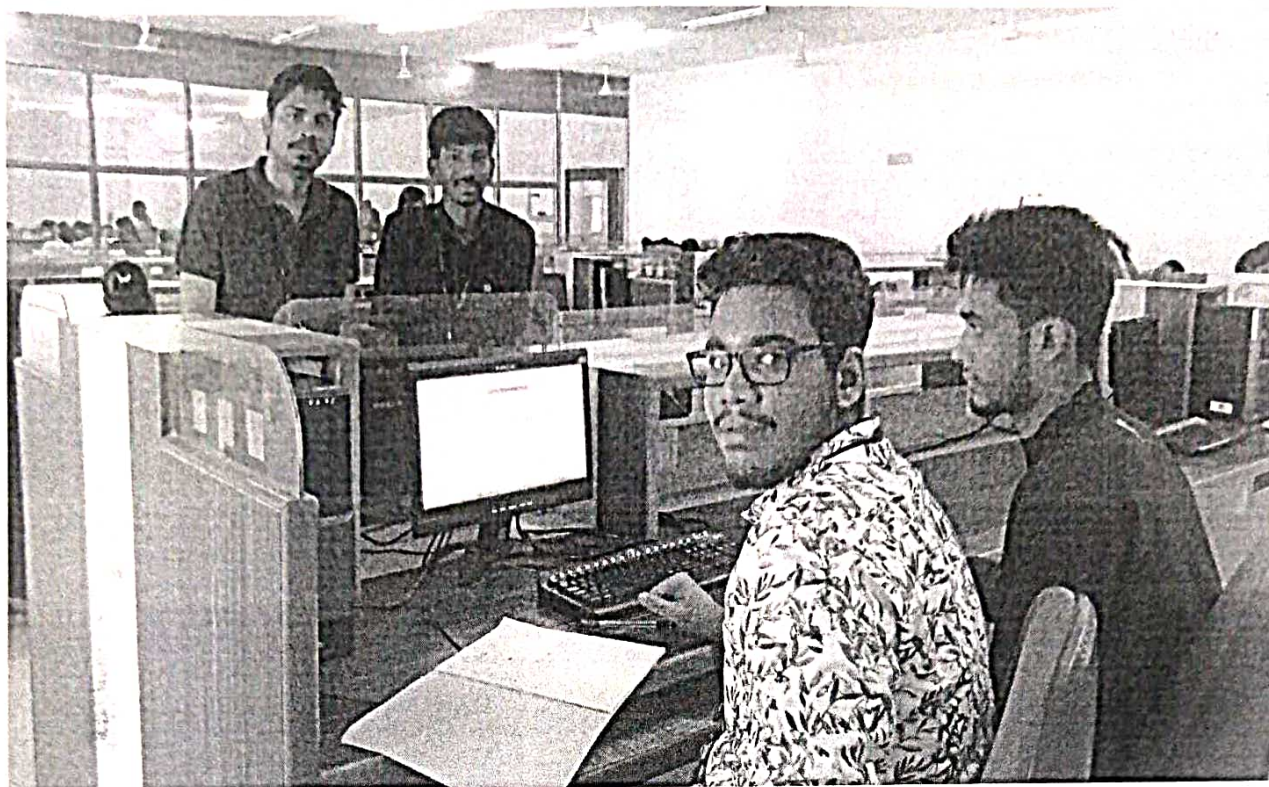
Session 2: Hands-on at the Lab



*P. Chandra Kumar*

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Session 2: Students at the Lab

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# List of Students Participation- PLC Workshop 2nd March 2019

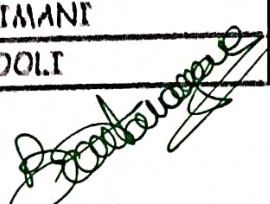
S.NO	USN NO	NAME	Semester	Signature
1	ISP17EC001	ATUL BHARDWAJ	IV	Atul Bhardwaj
2	ISP17EC002	CHAITRA U	IV	Chaitra U
3	ISP17EC003	DEEPIKA	IV	Deepika
4	ISP17EC005	DIVYA S KUMAR	IV	Divya S Kumar
5	ISP17EC008	JEEVAN A	IV	Jeevan A
6	ISP17EC009	JITHIN B V	IV	Jithin B.V.
7	ISP17EC010	KALYAN M	IV	Kalyan M
8	ISP17EC011	KAVYA P	IV	Kavya P
9	ISP17EC013	MANASA C	IV	Manasa C
10	ISP17EC014	MEGANA REDDY	IV	Megana Reddy
11	ISP17EC015	MEGHA K	IV	Megha K
12	ISP17EC016	NAVEENKUMAR B V	IV	Naveenkumar B.V.
13	ISP17EC017	NITHIN H S	IV	Nithin H.S.
14	ISP17EC019	PAVAN M	IV	Pavan M
15	ISP17EC021	PRASHANTH KUMAR	IV	Prashanth K.
16	ISP17EC022	PREMA S	IV	Prema S.
17	ISP17EC023	RAJEETHA L P	IV	Rajeetha L.P.
18	ISP17EC025	SANGEETHA S	IV	Sangeetha S
19	ISP17EC026	SHASHANK S	IV	Shashank S
20	ISP18EC400	YASH RAJENDRA	IV	Yash Rajendra
21	ISP14EC039	NANDINI	VI	Nandini
22	ISP14EC078	SHWETHA	VI	Shwetha
23	ISP14EC079	REHMA PEARL	VI	Rehma Pearl
25	ISP15EC025	MADHAV	VI	Madhav
26	ISP15EC027	MANDHARA	VI	Mandhara
27	ISP15EC049	SOWMYA	VI	Sowmya
28	ISP15EC055	VETRIVEL	VI	Vetrivel
29	ISP16EC002	AARON FERNANDES	VI	Aaron Fernandes
30	ISP16EC004	AISHWAYRA S	VI	Aishwayra S
31	ISP16EC005	AJAY T R	VI	Ajay T.R.
32	ISP16EC006	AMBIKA S M	VI	Ambika S.M.
33	ISP16EC007	ANUSHA L	VI	Anusha L
34	ISP16EC009	ARUN KUMAR N	VI	Arun Kumar N.
35	ISP16EC010	ARUNA T	VI	Aruna T
36	ISP16EC011	AVINASH PAL	VI	Avinash Pal
37	ISP16EC013	BINDU S K	VI	Bindu S.K.
38	ISP16EC015	CHAITRA B V	VI	Chaitra B.V.
39	ISP16EC016	CHANDANA N T	VI	Chandana N.T.
40	ISP16EC018	CHARAN R	VI	Charan R
41	ISP16EC022	DIMPHNA D SOUZA	VI	Dimphna D.Souza
42	ISP16EC026	HARINI A	VI	Harini A
43	ISP16EC029	KALPANA S T	VI	Kalpana S.T.
44	ISP16EC030	KARPAKAVALLI	VI	Karpakavalli
45	ISP16EC031	KAVYA P DESHPANDE	VI	Kavya P. Deshpande
46	ISP16EC036	KUSUMA B	VI	Kusuma B

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47	ISP16EC047	ALYAMODAR	VI	Allyamodar
48	ISP16EC048	MAHESH GOUDA	VI	Mahesh Gouda
49	ISP16EC049	MANJULA A	VI	Manjula A
50	ISP16EC050	MANJULA R	VI	Manjula R
51	ISP16EC051	MANOJNA D S	VI	Manojna D S
52	ISP16EC052	MANU D	VI	Manu D
53	ISP16EC053	MONIKA S	VI	Monika S
54	ISP16EC054	MONISHA A N	VI	Monisha A N
55	ISP16EC055	PASUPATI MAMATHA	VI	Pasupati M Mamatha
56	ISP16EC056	PRADEEPA C	VI	Pradeepa C
57	ISP16EC057	PRIVADILAKSHMI K	VI	Privadilakshmi K
58	ISP16EC058	PRIVANKA DAS	VI	Privanka Das
59	ISP16EC059	ROSHAN MICHEL OLIVER	VI	Roshan Michel Oliver
60	ISP16EC060	SALCHRITHANA	VI	Salchrithana
61	ISP16EC071	SHEETAL M S	VI	Sheetal M S
62	ISP16EC072	SHOBANA R	VI	Shobana R
63	ISP16EC073	SURYA S	VI	Surya S
64	ISP16EC074	SUSHAMITHA KR	VI	Sushamitha KR
65	ISP16EC075	SWATHI S	VI	Swathi S
66	ISP16EC080	TEJASHWINT S A	VI	Tejashwint S A
67	ISP16EC081	THASMITA ANJUM	VI	Thasmita Anjum
68	ISP16EC083	UMESH KUMAR P N	VI	Umesh Kumar P N
69	ISP16EC405	MANJUNATH KAMTHIGI	VI	Manjunath Kamthigi
70	ISP16EC408	SMITHA KUMARI	VI	Smitha Kumari
71	ISP17EC402	RAMESH HADIMANT	VI	Ramesh Hadimant
72	ISP17EC403	VEERANNA HOOLI	VI	Veeranna Hooli

  
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## S.E.A COLLEGE OF ENGINEERING TECHNOLOGY

Affiliated to VTU, Recognized by Government of Karnataka, Approved by AICTE, New Delhi  
Ektanagar, Near Ayyappanagar Circle, K R Puram, Bangalore - 560049

### *Certificate of Participation*

This is to certify that Mr/Ms .....CHAITRA.....U..... has  
attended a One day Workshop on "Programmable Logic Controller" organized by  
Department of Electronics and Communication Engineering, SEACET  
in association with LiveWire, on 2<sup>nd</sup> March 2019.

*Pradeep N.S.*  
02/03/19

Dr. Pradeep Kumar N. S.  
HOD, ECE

*[Signature]*  
PRINCIPAL  
SEA College of Engineering & Technology  
Ekta Nagar, Basavanapura, Virgo  
BANGALORE - 56

*[Signature]*

Dr. K. Suresh  
Principal





**SEA COLLEGE OF ENGINEERING & TECHNOLOGY**  
EKTA Nagar, Near Ayyappanagar Circle, Devasandra Main Road,  
Virgonagar Post, K. R. Puram, Bangalore -560049

## SEACET – IoT & ITS APPLICATION

### ABOUT THE EVENT:

Two day workshop was hosted by SEA COLLEGE OF ENGINEERING & TECHNOLOGY on 12/11/2018 & 13/11/2018. The event was conducted by an external guests Mr. Ganesh Shankar & Mr. Jagatheeswaran Senthilvelan of FluxGen, Bangalore.

**S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY**  
**DEPARTMENT OF CSE/ISE**  
**REGISTRATION FORM**  
**TWO DAYS WORKSHOP ON**  
**"IoT & ITS APPLICATION"**  
DATE: 12th & 13th Nov, 2018

Name: .....  
Semester: .....  
Department: .....  
Institution: .....  
Mobile No: .....  
E-Mail: .....  
Signature of Sponsoring Authority: .....

Duly filled registration form along with prescribed fee must reach the co-ordinators on or before 10th NOV 2018

Note: Students are requested to bring their own laptops for practical sessions.

**Chief Patron:**  
Mrs. Manjula Krishnappa  
Chairman, SEA Group of Institutions

**Patrons:**  
Mr. D. T. Srinivasa  
Secretary, SEA Group of Institutions  
Mrs. K. Poornima Srinivasa  
CEO, SEA Group of Institutions  
Mrs. K. Anupama  
II Secretary & Treasurer, SEA Group of Institutions  
Dr. K. R. Suresh  
Director, SEACET

**Adviser:**  
Dr. K. Suresh  
Principal, SEACET

**Conveners:**  
Dr. Pauline. M  
Professor & Head, Dept of CSE

**Co-ordinators:**  
Dr. Sundeeep Kumar K  
Dr. Loganayagi B  
Prof. Mallesh M  
Prof. Jayakumar B L  
Prof. Gayathri T  
Prof. Srikanth S  
Prof. Suresh H A  
Prof. Jayashree M  
Prof. Shilpa S  
Prof. Shruthi A P  
Prof. Harsha M B  
Prof. Janhavi H P  
Prof. Vani Pallie  
Prof. Shobha K M

**S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY**  
**TWO-DAYS WORKSHOP ON**  
**"IoT & ITS APPLICATION"**  
ORGANISED BY  
DEPARTMENT OF CSE/ISE  
DATE: 12th & 13th NOV 2018

Venue: Engineering Block  
S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY  
Ekta Nagar, Near Ayyappanagar Circle, Devasandra  
Main Road, Virgonagar Post, K.R. Puram,  
Bangalore-560049

### Key Highlights:

- Fundamentals of IoT paradigms
- Hands on experience on IoT & develop live projects
- Kick start to do an IoT product prototype.

Workshop was conducted by the Department of CSE, SEA COLLEGE OF ENGINEERING & TECHNOLOGY to encourage the students to understand about IoT and its applications and get insights from people who are in the industry.

*[Signature]*

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BANGALORE - 560 049

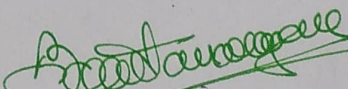


The Internet of Things(IOT) will be huge in several ways. The forces that are driving it and the benefits that are motivating it are increasingly numerous, as more and more organizations, industries, and technology catch the IoT bug.

The economic impact and benefits of the IoT will be huge. The major benefits that IoT will bring are tracking behaviours for real time marketing. Enhanced situational awareness, sensor-driven decision analytics, Process optimization, Optimised resource consumption and instantaneous control and response in complex autonomous systems.

Agenda:

PROGRAM SCHEDULE	
DATE: 12th NOVEMBER 2018	
09:30-10:30	Inaugural Function
10:30-11:00	Tea Break
11:00-01:00	Sensors and Actuators for IoT systems, Interfacing circuits, IoT Hardware. Programming Basics with Examples & Interfacing Sensors and Actuators with IoT Hardware.
01:00-02:00	Lunch Break
01:30-03:30	Case study of Industry 4.0, IoT Protocols
DATE: 13th NOVEMBER 2018	
08:30-10:30	Basic Communication Protocol & Wireless Communication.
10:30-11:00	Tea Break
11:00-01:00	Integrating IoT hardware with Cloud platforms.
01:00-02:00	Lunch Break
02:00-03:30	Android app development & Integration with IoT hardware & Demo of working IOT systems.

  
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Photos:



*Rameshwar*  
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BANGALORE - 560 049



Certificate:



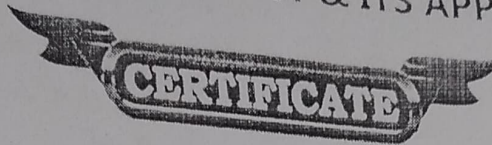
# S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY

(Affiliated to Visvesvaraya Technological University & Approved by AICTE)  
Ekta Nagar, A Krishnappa Circle, Ayyappanagar, Devasandra Main Road, Virgonagar Post, K.R. Puram, Bangalore - 560049  
Phone : +91 80 25613741 / 42 Fax : +91 80 25613418. E-mail : seaeduinfo@seaedu.ac.in website : www.seaedu.ac.in



DEPARTMENT OF CSE / ISE

## Two-Day Workshop on "IoT & ITS APPLICATION"



This is to certify that Mr./Mrs. .... Manu Andrew U ..... has participated in

Two-Days Workshop on "IoT & ITS APPLICATION" held at S.E.A College of Engineering and Technology,  
Bangalore on 12th & 13th of November 2018.

M.P. V

Convener  
HOD-CSE

[Signature]

Principal

S.E.A College of Engg. & Tech.

[Signature]

Secretary

S.E.A College of Engg. & Tech.

[Signature]  
PRINCIPAL

S.E.A College of Engineering & Technology  
Ekta Nagar, Basavanapura, Virgonagar Po.,  
BANGALORE - 560 049





**S.E.A COLLEGE OF**  
ENGINEERING & TECHNOLOGY  
Two Day Workshop  
on  
"IoT & ITS APPLICATION"  
Organized by  
DEPARTMENT OF CSE / ISE  
19-20 November 2024  
BANGALORE

*Principal*

**PRINCIPAL**  
SEA College of Engineering & Technology  
Extra Nagar, Basavanapura, Vikonagar Post  
BANGALORE - 560 049



# S.E.A.College of Engineering & Technology Department of CSE

Attendance List of Students attending 2 day workshop on IoT Conducted from 12/11/18 to 13/11/18

Sl.No	USN	NAME	12-11-2018 (Morning Session)	12-11-2018 (Afternoon Session)	13-11-2018 (Morning Session)	13-11-2018 (Afternoon Session)
1	ISP15CS001	A OM SHANKAR	<i>Om</i>	<i>Om</i>	<i>Om</i>	<i>Om</i>
2	ISP15CS002	AADARSH THAKUR	<i>Thakur</i>	<i>Thakur</i>	<i>Thakur</i>	<i>Thakur</i>
3	ISP15CS003	AISHWARYA J	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>
4	ISP15CS004	AISHWARYA P	<i>Aishwarya</i>	<i>Aishwarya</i>	<i>Aishwarya</i>	<i>Aishwarya</i>
5	ISP15CS005	AKSHAY S S	<i>Akshay</i>	<i>Akshay</i>	<i>Akshay</i>	<i>Akshay</i>
6	ISP15CS006	AMRUTHA T V	<i>Amrutha</i>	<i>Amrutha</i>	<i>Amrutha</i>	<i>Amrutha</i>
7	ISP15CS009	ANKITHA S	<i>Ankitha</i>	<i>Ankitha</i>	<i>Ankitha</i>	<i>Ankitha</i>
8	ISP15CS010	ARAVIND N R	<i>Aravind</i>	<i>Aravind</i>	<i>Aravind</i>	<i>Aravind</i>
9	ISP15CS011	ARAVIND N R	<i>Aravind</i>	<i>Aravind</i>	<i>Aravind</i>	<i>Aravind</i>
10	ISP15CS012	ARJUN N	<i>Arjun</i>	<i>Arjun</i>	<i>Arjun</i>	<i>Arjun</i>
11	ISP15CS015	ARSHIYA SHEIKH A	<i>Arshiya</i>	<i>Arshiya</i>	<i>Arshiya</i>	<i>Arshiya</i>
12	ISP15CS016	AYESHA SIDDIQHA	<i>Ayesha</i>	<i>Ayesha</i>	<i>Ayesha</i>	<i>Ayesha</i>
13	ISP15CS018	B PAVAN KUMAR	<i>Pavan</i>	<i>Pavan</i>	<i>Pavan</i>	<i>Pavan</i>
14	ISP15CS020	BHARATHI VAISHALI S	<i>Bharathi</i>	<i>Bharathi</i>	<i>Bharathi</i>	<i>Bharathi</i>
15	ISP15CS022	BHUVANA B V	<i>Bhuvana</i>	<i>Bhuvana</i>	<i>Bhuvana</i>	<i>Bhuvana</i>
16	ISP15CS023	BRISHTI RANJITKAR	<i>Brishti</i>	<i>Brishti</i>	<i>Brishti</i>	<i>Brishti</i>
17	ISP15CS024	CHAITHANYA R	<i>Chaithanya</i>	<i>Chaithanya</i>	<i>Chaithanya</i>	<i>Chaithanya</i>
18	ISP15CS025	D MONIKA REDDY	<i>Monika</i>	<i>Monika</i>	<i>Monika</i>	<i>Monika</i>
19	ISP15CS026	D PRAKRUTHI	<i>Prakruthi</i>	<i>Prakruthi</i>	<i>Prakruthi</i>	<i>Prakruthi</i>
20	ISP15CS027	DEEPA KUMARI	<i>Deepa</i>	<i>Deepa</i>	<i>Deepa</i>	<i>Deepa</i>
21	ISP15CS028	DENCY SLESSOR	<i>Dency</i>	<i>Dency</i>	<i>Dency</i>	<i>Dency</i>
22	ISP15CS030	DHANUSH	<i>Dhanush</i>	<i>Dhanush</i>	<i>Dhanush</i>	<i>Dhanush</i>
23	ISP15CS032	GAGAN M B	<i>Gagan</i>	<i>Gagan</i>	<i>Gagan</i>	<i>Gagan</i>
		MARSHITHA J	<i>Marshitha</i>	<i>Marshitha</i>	<i>Marshitha</i>	<i>Marshitha</i>



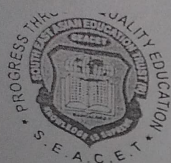
25	ISP15CS036	KAVITHA PAMADINNI	Kavitha	Kavitha	Kavitha	Kavitha
26	ISP15CS037	KAVYA B V	Kavya	Kavya	Kavya	Kavya
27	ISP15CS039	KAVYA S	Kavya	Kavya	Kavya	Kavya
28	ISP15CS040	KOMATHI K	Komathi	Komathi	Komathi	Komathi
29	ISP15CS041	K M KAVITHA RANI	Km	Km	Km	Km
30	ISP15CS042	K AKSHATHA VINOD	Kak	Kak	Kak	Kak
31	ISP15CS044	LAVANYA K	Lavanya	Lavanya	Lavanya	Lavanya
32	ISP15CS045	LOKESH C	Lokesh	Lokesh	Lokesh	Lokesh
33	ISP15CS046	M GAGAN	Gagan	Gagan	Gagan	Gagan
34	ISP15CS047	MADHURI S	Madhuri	Madhuri	Madhuri	Madhuri
35	ISP15CS048	MANU ANDREW U	Manu	Manu	Manu	Manu
36	ISP15CS049	MEGHA C	Megha	Megha	Megha	Megha
37	ISP15CS050	MEGHANA M	Meghana	Meghana	Meghana	Meghana
38	ISP15CS051	MOHAMMED MUBARAQ	Mubaraq	Mubaraq	Mubaraq	Mubaraq
39	ISP15CS052	MOHD ATHAR	Mohd	Mohd	Mohd	Mohd
40	ISP15CS057	MONISHA B N	Monisha	Monisha	Monisha	Monisha
41	ISP14CS040	NOUZIYA KHANUM B A	Nouziya	Nouziya	Nouziya	Nouziya
42	ISP14CS052	JOHN RICHARD I	John	John	John	John
43	ISP15CS054	MD YUNUS	Yunus	Yunus	Yunus	Yunus
44	ISP15CS055	NIDA FIRDOSE	Nida	Nida	Nida	Nida
45	ISP15CS059	PANKAJ RAJ BANSHI	Pankaj	Pankaj	Pankaj	Pankaj
46	ISP15CS060	PRAKASH R C	Prakash	Prakash	Prakash	Prakash
47	ISP15CS062	PRASHANT MANI	Prashant	Prashant	Prashant	Prashant
48	ISP15CS064	PREETHI S	Preethi	Preethi	Preethi	Preethi
49	ISP15CS066	PRIYANKA N	Priyanka	Priyanka	Priyanka	Priyanka
50	ISP15CS067	PUJA	Puja	Puja	Puja	Puja

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51	ISP15CS071	RAJASHEKAR S	Raja Shakesh	Raja Shakesh	Raja Shakesh	Raja Shakesh
52	ISP15CS073	RAMYA B S	Ramya	Ramya	Ramya	Ramya
53	ISP15CS074	RANJITHA B M	Ranjitha	Ranjitha	Ranjitha	Ranjitha
54	ISP15CS075	REKHA B T	Rekha	Rekha	Rekha	Rekha
55	ISP15CS078	S JAGADISH	Jagdish	Jagdish	Jagdish	Jagdish
56	ISP15CS079	SAHANA A K	Sahana	Sahana	Sahana	Sahana
57	ISP15CS080	SAHANA C S	Sahana	Sahana	Sahana	Sahana
58	ISP15CS081	SAI PRANAY K	Sai Pranay	Sai Pranay	Sai Pranay	Sai Pranay
59	ISP15CS082	SAMEER KHAN M	Sameer	Sameer	Sameer	Sameer
60	ISP15CS084	SHAKAMBHARI S	Shakambhari	Shakambhari	Shakambhari	Shakambhari
61	ISP15CS086	SNEHA D	Sneha	Sneha	Sneha	Sneha
62	ISP15CS087	SOUNDARYA S	Soundarya	Soundarya	Soundarya	Soundarya
63	ISP15CS088	SOWMYA N	Sowmya	Sowmya	Sowmya	Sowmya
64	ISP15CS090	SWAPNA M	Swapna	Swapna	Swapna	Swapna
65	ISP15CS091	SWARANDEEP KOUR	Swarnadeep	Swarnadeep	Swarnadeep	Swarnadeep
66	ISP15CS093	TAMRADWAJ GAUTAM	Tamradwaj	Tamradwaj	Tamradwaj	Tamradwaj
67	ISP15CS095	TEJA T B	Teja	Teja	Teja	Teja
68	ISP15CS096	TEJAS R	Tejas	Tejas	Tejas	Tejas
69	ISP15CS100	VEENA V	Veena	Veena	Veena	Veena
70	ISP15CS101	VEENEELA P N	Veeneela	Veeneela	Veeneela	Veeneela
71	ISP15CS102	VENNELA R	Vennela	Vennela	Vennela	Vennela
72	ISP14CS065	PRAVEEN M	Praveen	Praveen	Praveen	Praveen
73	ISP14CS082	SANJEEV VERMA	Sanjeev	Sanjeev	Sanjeev	Sanjeev
74	ISP14CS103	VARSHA PANDEY	Varsha	Varsha	Varsha	Varsha
75	ISP16CS402	NIRANJAN KUMAR	Niranjankumar	Niranjankumar	Niranjankumar	Niranjankumar
76	ISP15CS406	DAYATAL AZIM YUNUS	Dayatal Azim Yunus	Dayatal Azim Yunus	Dayatal Azim Yunus	Dayatal Azim Yunus





# S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY

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Phone : +91 80 25613741 / 42 Fax : +91 80 25613418. E-mail : seaeduinfo@seaedu.ac.in website : www.seaedu.ac.in



DEPARTMENT OF CSE / ISE

## Two-Day Workshop on "IoT & ITS APPLICATION"

### CERTIFICATE

This is to certify that Mr./Ms. .... Manu Andrew U ..... has participated in

Two-Days Workshop on "IoT & ITS APPLICATION" held at S.E.A College of Engineering and Technology,  
Bangalore on 12th & 13th of November 2018.

18/11/18  
.....  
Convener  
HOD-CSE

Principal  
Principal

S.E.A College of Engg. & Tech.

Principal  
PRINCIPAL  
S.E.A College of Engineering & Technology  
Ekta Nagar, Basavanapura, Virgonagar Post  
BANGALORE - 560049

Secretary  
Secretary  
S.E.A College of Engg. & Tech.



**S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY**  
**DEPARTMENT OF CSE/ISE**

**REGISTRATION FORM**

**TWO DAYS WORKSHOP  
 ON**

**"IoT & ITS APPLICATION"**

**DATE: 12th & 13th Nov, 2018**

Name: \_\_\_\_\_

Semester: \_\_\_\_\_

Department: \_\_\_\_\_

Institution: \_\_\_\_\_

Mobile No: \_\_\_\_\_

E-Mail: \_\_\_\_\_

Signature of Sponsoring Authority \_\_\_\_\_

Duly filled registration form along with prescribed fee must reach the co-ordinators on or before 10th NOV 2018

Note: Students are requested to bring their own laptops for practical sessions.

**Chief Patron**

**Mrs. Manjula Krishnappa**  
 Chairman, SEA Group of Institutions

**Patrons:**

**Mr. D. T. Srinivasa**

Secretary, SEA Group of Institutions

**Mrs. K. Poornima Srinivasa**

CEO, SEA Group of Institutions

**Mrs. K. Anapurna**

Joint Secretary & Treasurer, SEA Group of Institutions

**Dr. K. R. Suresh**

Director, SEACET

**Adviser:**

**Dr. K. Suresh**

Principal, SEACET

**Convener:**

**Dr. Pauline, M**

Professor & Head, Dept of CSE

**Co-ordinators:**

**Dr. Sundeeep Kumar K**

**Dr. Loganayagi B**

**Prof. Mallesh M**

**Prof. Jayakumar B L**

**Prof. Gayathri T**

**Prof. Srikanth S**

**Prof. Sakanth H A**

**Prof. Jayashree M**

**Prof. Shilpa S**

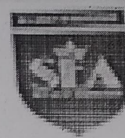
**Prof. Shruthi A P**

**Prof. Harsha M B**

**Prof. Janhavi H P**

**Prof. Vani Pallu**

**Prof. Shobha K M**



**S.E.A COLLEGE OF  
 ENGINEERING & TECHNOLOGY**

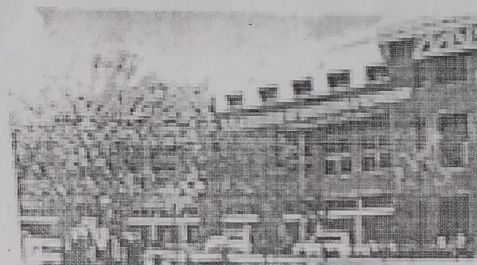
**TWO-DAYS WORKSHOP  
 ON**

**"IoT & ITS APPLICATION"**

**ORGANISED BY**

**DEPARTMENT OF CSE/ISE**

**DATE: 12th & 13th NOV 2018**



**Venue: Engineering Block**

**S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY**

Ekta Nagar, Near Ayyappa Nagar Circle, Bransford  
 Main Road, Virgonagar Post, K.R. Puram,  
 Bangalore - 560044

*P. Sankar*  
**PRINCIPAL**

SEA College of Engineering & Technology  
 Ekta Nagar, Basavanapura, Virgonagar Post  
 BANGALORE - 560 049



# **S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY**

Ektanagar, Basavanapura, Virgonagar Post, (K.R.Puram) BANGALORE-560049

## **Department of Electronics and Communication Engineering**

---

### **INVITATION**

The Management, Principal, Faculty and Students of  
Department of Electronics and Communication Engineering  
cordially invite you to grace the Inaugural of Three days  
(05.03.18 to 07.03.18),

Workshop on

## **“EMBEDDED SYSTEM DESIGN AND DESIGN & DEVELOPMENT OF PCB”**

in association with Indian Tech Keys, Bengaluru.

**Date:** 5<sup>th</sup> March 2018

**Time:** 8.30 AM onwards

**Venue:** AC Seminar Hall



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BANGALORE - 560 049



# “Embedded System design and Design and Development of PCB”

Engineering education and leading technology has always been a challenge for the industries. There are gaps between what is needed and what is taught. Complaints about student quality pour in constantly from industry and the gap is expanding continuously due to new inventions and innovations. In fact, there is a group working to bridge the gap. Science and technology advancement is galloping at a faster speed than the curriculum and syllabus revision.

In an effort to bridge this gap, the Department of Electronics and Communication Engineering, SEACET, organized a three-day workshop on “Embedded System Design and Design and Development of PCB” in association with renowned Indian Tech - Keys, Bangalore, on 5<sup>th</sup> and 7<sup>th</sup> March 2018 Mr. Kotresh was the resource person included for the entire session.

The workshop was inaugurated by Dr. B. Venkatanarayana, Vice Principal, SEACET in AC Seminar hall at 8.30AM on 5<sup>th</sup> March 2018. The function was presided by Dr. S Anantha Padmanabhan., Professor and Head, ECE, Dr. Krishna Kumar NJ Assoc. Professor, Dept. of ECE and Dr. Pradeep Kumar NS Associate Professor, Dept of ECE along with the invitees from respective departments of SEA College of Engineering and Technology. Snapshots from the inaugural are presented below.



Inaugural Talk by Vice Principal  
Dr. B. Venkata Narayana



Inaugural Talk H.O.D. Electronics  
Dr. S. Anantha Padmanabhan

  
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### **About Indian Tech – Keys:**

Indian Tech-Keys is the brainchild of RVCE, Bangalore alumni which came up with an intention to make the students dear to technology. Their objective is to expose the young brains to various technologies used in the real time apart from syllabus. It will help them bring up their hidden passion and decide their career. Hands on practice technique, will develop more interest among them and they will be more excited to know more and more as they will inspect the results of what they have done.

Indian Tech-Keys strive to fill the void between students' community and current technologies by conducting quality hands on workshops on latest technologies like PCB, ARM, Arduino, Robotics, Copters and Android tools.

### **About Workshop:**

An embedded system is a combination of computer hardware and software, fixed in capability or programmable, designed for a specific function or functions within a larger system. It is embedded as part of a complete device including hardware and mechanical parts. Embedded systems control many devices in common use today. Industrial machines, process industry devices, automobiles, medical equipment, cameras, household appliances, airplanes, vending machines and toys, as well as mobile devices, are possible locations for an embedded system. Embedded systems are computing systems, but they can range from having no user interface (UI), for ex., on devices in which the system is designed to perform a single task -- to complex graphical user interfaces (GUIs), such as in mobile devices. User interfaces can include buttons, LEDs, touch screen sensing and more. Some systems use remote user interfaces as well. Ninety-eight percent of all microprocessors manufactured are used in embedded systems.

Printed circuit board (PCB) design brings your electronic circuits to life in the physical form. Using layout software, the PCB design process combines component placement and routing to define electrical connectivity on a manufactured circuit board.

The workshop focused on covering the following concepts.

- Brief explanation for Embedded C.
- Concept to Product development skill for PCB.
- Exposure to methodology of PCB development.
- Exposure to embedded system coding.
- Logic Gates implementation in Embedded system programming.

  
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On the following day students implemented Logic gates using Embedded C and PCB design that were provided by Indian Tech-Keys. Towards the end the teams were made to control a pre designed robot through the app designed by students.

A total of 55 students from upto VI sem of Dept of ECE actively participated in the workshop. The participants were happy to learn the technology and were willing to attend many more such workshops in the near future.

A snapshot of workshop can be seen in following pictures.



PCB WORKSHOP



EMBEDDED WORKSHOP



Certificate Distribution



Workshop Participants

  
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JEA College of Engineering & Technology  
Ekta Nagar, Basavanapura, Virgonagar P.O.  
BANGALORE - 560 049



**List of students participation-PCB workshop on 05.03.18 to 07.03 .18**

Sl.no	Name	Semester	Signature
1	Aaron Fernandes	VI	A. Fernandes
2	Ajay T R	VI	Ajay.
3	Akshay K A	VI	Akshay K. A.
4	AMBIKA S M	VI	Ambika S. M.
5	Anil Kumar C	VIII	Anil Kumar C.
6	Anusha C V	VIII	Anusha. C V
7	Anusha L	VIII	Anusha L.
8	ARUNA T	VIII	Aruna T.
9	ASHWINI G L	VIII	Ashwini G. L.
11	Bhagyaraj Kulkarni	VIII	Bhagyaraj
12	BINDU S K	VI	Bindu S. K.
13	Binduja Mohan	IV	B. Mohan
14	BIRADAR ASHWINI	VIII	Bi. Ashwini
15	C G Divya	VIII	C. G. Divya
16	CELINE CINDRELLA J	VIII	Celine, Cindrella J.
17	CHAITRA B V	VIII	Chaitra B. V.
18	Chitra K	VIII	Chitra K.
19	Chythra N	VI	Chythra. N.
20	DIMPANA D SOUZA	VI	Dimpiana D. Souza
21	DIVYA S KUMAR	IV	Divya S. Kumar
22	HARINI A	VI	Harini A.
23	Hemalatha H S	VIII	Hemalatha H. S.
24	JUBEDHA A	VIII	Jubedha A.
25	KALPANA S T	VI	Kalpana S. T.
26	Kanchana K R	VIII	Kanchana K. R.
27	Kanthraju J	VIII	Kanthraju J.
28	KARPAKAVALLI	VI	Karpavalli K.
29	Karthik B	VIII	Karthik B.
30	KAVYA M	VIII	Kavya M.
31	KAVYA P DESHPANDE	VI	Kavya P. Deshpande
32	KUSUMA B	VI	Kusuma B.
33	LAVANYA G S	VI	Lavanya G. S.
34	Sachin B	VI	Sachin B.
35	Shanta S Tappad	VIII	Shanta S. Tappad
36	Sheetal MS	VI	Sheetal M. S.
37	Shilpa	VIII	Shilpa
38	SHOBANA R	VI	Shobana R.
39	SHRUTHI L	VIII	Shruthi L.
40	Shwetha V	VIII	Shwetha V.
41	Simran A	VI	Simran A.
42	Smita Kumari	VI	Smita Kumari
43	Steffy Shiny T	VIII	Steffy Shiny T.
44	SUBHASHITHA M SUNAGAR	IV	Subhashitha, M.
45	Suman Chaudhary	IV	Suman Chaudhary
46	Sunitha Bai K R	VI	Sunitha Bai K. R.

*[Handwritten Signature]*

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**BANGALORE - 560 049**

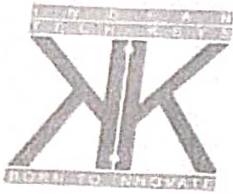


47	Sushma S Prabhu	VIII	Sushma S. Prabhu
48	SWATHI S	VIII	Swathi S
49	Swathi Tawanidhi R	IV	S.Tawanidhi.
50	Syed Numan Ahmed	IV	Syed Numan
51	T RHEMA PEARL	VI	T RHEMA PEARL
52	TEJASHWINI S A	VI	Tejashwini S.A.
53	THASMIYA ANJUM	VI	Thasmiya Anjum.
54	UMESH KUMAR P N	VI	Umesh Kumar P N
55	V Jayashree	VIII	Jayashree V.

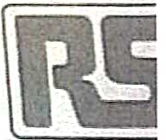
  
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BANGALORE - 560 049





S.E.A College of Engineering and Technology  
in association with  
Indian Tech-Keys



## CERTIFICATE PRESENTED TO

AKSHAY K-A

For participating in workshop "Embedded System Design"  
Organized by The Department of Electronics and Communication Engineering  
S.E.A College of Engineering and Technology on 5<sup>th</sup>, 6<sup>th</sup> & 7<sup>th</sup> of March

NANTHA PADMANABHAN S. Mr. Kotresh Mundrugi (Director) Dr. B. VENKATA NARAYAN  
Professor & HOD, Dept. of ECE

INDIAN TECH-KEYS PRINCIPAL  
SEACE College of Engineering & Technology  
Ekta Nagar, Basavanapura, Virgonagar P.O.  
BANGALORE - 560 049  
Principal, SEACE



# A Report on Awareness program on Entrepreneurship Development

We are happy to inform that we have organized an "Awareness program on Entrepreneurship Development" on 16-02-2018 at 2pm in A/C Seminar hall.

Students from 6<sup>th</sup> semester of all branches of engineering and 2<sup>nd</sup> year of MBA were participated.

**Mr. Manoj Gowtham, CMO of Lymen Technologies pvt ltd,** was the Guest Speaker.

## Programme Schedule:

Inauguration: At 2pm followed by welcome address of dignitaries

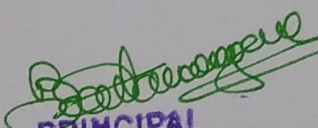
Introduction to Guest Speaker: At 2.15pm

Session by Mr. Manoj Gowtham: 2.15 to 4pm

Vote of thanks by Mr. Anandkumar.

## Objectives of Program:

1. These program focused on students to bring the awareness in young minds to convert students innovative ideas into commercial business
2. These program focused on facilities and opportunities available in the government
3. The main objective is to convert students as Job Seekers into Job Generators
4. This program was intended to make students to involve in the ED activities to improve their overall personality development which intern useful to emerge as a leaders.
5. These program focusing on enlightening of the students to aware that it is applicable to all the students irrespective of branch and grade/marks.

  
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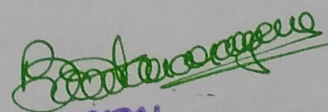


## Outcomes of the program:

1. Concept of EDC has been conveyed to students
2. Opportunities for innovative ideas were clearly understood
3. Motivated students to think on their new concept as there was an interactive session with the guest speaker
4. Scope for small, micro scale industries and government support for these industries has been conveyed to them.



Welcoming Dr. K Viyyanna Rao, Honorary, SEA group of institutions

  
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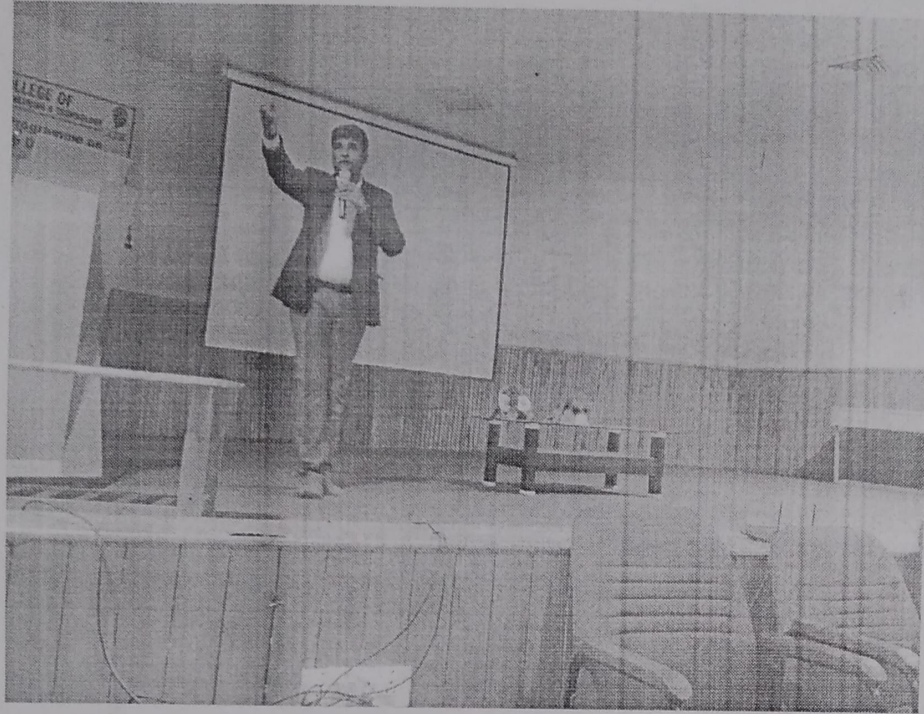
Students at A/C Seminar hall for EDC program



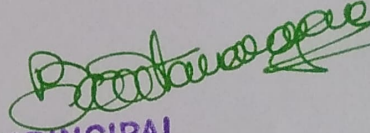
From right Mr.Naresh, Mr.Manoj Gowtham, Mr. Anandkumar

*[Signature]*  
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Mr. Manoj Gowtham addressing the students and faculties

  
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**BANGALORE - 560 049**



# S.E.A. COLLEGE OF ENGG. & TECHNOLOGY

## Entrepreneurship Development

Students List on 16-02-2018

S.NO	USN	Name of the Students	Signature
1	ISP16EC005	AJAY T R	Ajay T.R.
2	ISP16EC006	AMBIKA S M	Ambika
3	ISP16EC010	ARUNA T	Aruna
4	ISP16EC011	AVINASH PAL	Avinash
5	ISP16EC013	BINDU S K	Bindu
6	ISP16EC015	CHAITRA B V	Chaitra
7	ISP16EC026	HARINI A	Harini
8	ISP16EC029	KALPANA S T	Kalpna
9	ISP16EC030	KARPAKAVALLI	Karpakavalli
10	ISP16EC031	KAVYA P DESHPANDE	Kavya
11	ISP16EC055	PRATHIBHA C	Prathiba
12	ISP16EC056	PRIYADHARSHANI K	Priya
13	ISP16EC057	PRIYANKA DAS	Priyanka
14	ISP16EC078	SUSHMITHA K R	Sushmitha
15	ISP16EC079	SWATHI S	Swathi
16	ISP16EC080	TEJASHWINI S A	Tejashwini
17	ISP16EC081	THASMIYA ANJUM	Thasmiya
18	ISP16EC083	UMESH KUMAR P N	Umesh
19	ISP16EC042	MANU D	Manu
20	ISP16EC045	MOHAN S	Mohan
21	ISP16CV003	AMIT SHAH	Amit
22	ISP16CV005	ANUSHA B	Anusha
23	ISP16CV018	HEENA BANU	Heena
24	ISP16CV019	HEMA DG	Hema
25	ISP16CV025	LAISHRAM PREM CHAND	Laishram
26	ISP16CV027	LOKESH C	Lokesh
27	ISP16CV029	MADHAV KUMAR	Madhav
28	ISP16CV030	MALLIKARJUNA SM	Mallikarjuna
29	ISP16CV032	MANOJ KUMAR G	Manoj
30	ISP16CV040	NIVEDITA VV	Nivedita
31	ISP16CV041	PANKAJ J	Pankaj
32	ISP16CV042	PRATHIMA	Prathima
33	ISP16CV051	RAVIKUMAR	Ravikumar
34	ISP16CV054	SAHANA BR	Sahana
35	ISP16CV056	SANDHYA GN	Sandhya
36	ISP16CV057	SAROJA D RATHOD	Saroja
37	ISP16CV066	SURESHA	Suresha
38	ISP16CV067	TEJASHWINI ND	Tejashwini
39	ISP16CV073	USHA RANI MA	Usha Rani

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40	ISP16CV078	RAJ KUMAR ROHINDRO SINGH	Raj K
41	ISP16ME001	A CHETAN	Chetan
42	ISP16ME003	ABUBAKAR SIDDIQ	AB
43	ISP16ME007	ANIL KUMAR C	Anil Kumar
44	ISP16ME023	GUNJAN KUMAR	Gunjan
45	ISP16ME047	PRAMOD K N	Pramod
46	ISP16ME050	RAHUL R	Rahul
47	ISP16ME051	RAMESH N B	Ram
48	ISP16ME054	SAJEED	Sajeed
49	ISP16ME055	SANDEEP K	Sandeep
50	ISP16ME056	SHARATH K	Sharath
51	ISP17MBA01	AKSHAYAKUMAR	Akshay
52	ISP17MBA03	ANUPAMA S	Anu
53	ISP17MBA04	ARUN KUMAR M	Arun
54	ISP17MBA06	ASHWINI	Ashwin
55	ISP17MBA09	BILTU DAS	Biltu
56	ISP17MBA10	BINDUSHREE B	Bindu
57	ISP17MBA13	GAJENDRA V	Gajendra
58	ISP17MBA15	HEMANTH YADAV	Hemant Yadav
59	ISP17MBA22	MONICA ALEX	Monica
60	ISP17MBA29	RAVIKUMAR AL	Ravikumar
61	ISP17MBA34	SRINIVAS M	Srinivas
62	ISP17MBA35	SURANJANA	Surajana
63	ISP17MBA36	DAINA DEVI	Daina
64	ISP17MBA41	VIKRAM K S	Vikram
65	ISP17MBA44	YOGESH M	Yogesh
66	ISP16CS002	AFIA SURUR N A	Afia
67	ISP16CS005	AJITH E	Ajith
68	ISP16CS007	AKSHAY HRITHIK	Akshay
69	ISP16CS009	ANUSHA N K	Anusha
70	ISP16CS012	ASHIN LOUIS	Ashin
71	ISP16CS016	BINDU S	Bindu
72	ISP16CS017	BISHAL KUMAR SAH	Bishal
73	ISP16CS020	YESHASHWINI	Yesha
74	ISP16CS022	CHANDAN YADAV	Chandan
75	ISP16CS024	CHITRA K	Chitra
76	ISP16CS025	DEBORAH MAHIMA	Deborah
77	ISP16CS060	NEELADRI CHOWDHURY	Neeladri
78	ISP16CS061	P PADMINI	P. Padmini
79	ISP16CS062	PABAN SAHA	Paban
80	ISP16CS063	PALLAVI M	Pallavi
81	ISP16CS064	PALLAVI M J	Pallavi
82	ISP16CS110	GANESH BHATTRAI	Ganesh
83	ISP16CS401	SAJID ANWAR	Sajid
84	ISP17CS401	POORNI	Poorvi
85	ISP16IS003	ANANYA	Ananya



86	ISP16IS005	AVINASH KUMAR SINGH	<i>Avinash Kumar</i>
87	ISP16IS015	LOKESH	<i>Lokesh</i>
88	ISP16IS018	MAMATHA KUMARI	<i>Mamatha kumari</i>
89	ISP16IS024	NAVEEN	<i>Naveen</i>
90	ISP16IS028	RACHNA	<i>Rachna</i>
91	ISP16IS034	SATYA	<i>Satya</i>
92	ISP16IS038	VARSHINI	<i>Varshini</i>
93	ISP16IS041	VIGNESSH	<i>Vignesh</i>
94	ISO16IS043	YASMEEN TAJ	<i>Yasmeen</i>

*B. S. Srinivas*  
 BEACON  
 Eka Nagar, Bangalore  
 BANGALORE - 560 049  
 & Technology  
 Nagar Post



**S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY**  
**DEPARTMENT OF CSE**  
**REGISTRATION FORM**

**Two-Day Workshop**  
**on**  
**"Introduction to Graphical System**  
**Programming using LabVIEW"**

**Date : 5th & 6th February 2018**

Name : .....

Semester : .....

Department : .....

Institution : .....

Mobile No. : .....

E-mail : .....

Signature of Sponsor/ Authority/ Principal : .....

Duly filled registration form along with prescribed fee must reach the coordinators on or before 2nd February 2018.

**Note: Students are requested to bring their own laptops for practical sessions**

**Chief Patron :**

Mrs. Manjula Krishnappa  
 Chairman, SEA Group of Institutions

**Patrons :**

Mr. D. T. Srinivasa  
 Secretary, SEA Group of Institutions  
 Mrs. K. Poornima Srinivasa  
 CEO, SEA Group of Institutions  
 Mrs. K. Anupama  
 Jt. Secretary & Treasurer, SEA Group of Institutions  
 Prof. K. Viyyanna Rao  
 Director, SEAET,  
 Former Vice Chancellor, Acharya Nagarjuna University, A.P

**Advisor :**

Dr. B. Venkatanarayana  
 Principal

**Convener :**

Dr. Pauline .M  
 HOD (CSE)

**Co-ordinators :**

Dr. Sundeeep Kumar  
 Prof. Mallesha M.  
 Prof. Jayakumar B.L  
 Prof. Somashekar R.  
 Prof. Gayathri T.  
 Prof. Lokesh L.  
 Prof. Srikanth S.  
 Prof. Sukesh H.A  
 Prof. Jayashree M.  
 Prof. Shilpa  
 Prof. Shruthi A.P.  
 Prof. Harsha  
 Prof. Janhavi  
 Prof. Pallavi

E-mail : [workshop@seaedu.ac.in](mailto:workshop@seaedu.ac.in)  
 Cell No: 7259359282, 8050075545, 9035519263



**S.E.A COLLEGE OF**  
**ENGINEERING & TECHNOLOGY**  
APPROVED BY VIKRAMARUNACHAL UNIVERSITY & APPROVED BY ALL INDIA COUNCIL OF TECHNICAL EDUCATION

**Two-Day Workshop**  
**on**  
**"Introduction to Graphical System**  
**Programming using LabVIEW"**

**Organised by**  
**DEPARTMENT OF CSE**  
**Date : 5th & 6th February 2018**



**PRINCIPAL**  
 SEA College of Engineering & Technology  
 Ekta Nagar, Basavanapura Virgonagar Post  
 BANGALORE - 560 049

**Venue: Engineering Block**

**S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY**  
 Ekta Nagar, Near Ayyappa Nagar Circle, Devasandra Main Road,  
 Virgonagar Post, K.R. Puram, Bangalore - 560 049.



The U.S. College of Engineering & Technology (UCET) affiliated to IIT, Bangalore and recognized by AICTE has been established in the year 1987. The team consisted of a group of institutions for engineering education that are accounting 15 years and the institution offers U.E., B.E. courses and research centers with a student strength of about 7000.

ADDITIONAL INFORMATION

Figure 1

Page 10

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Date : 5th February 2012

Time	Particulars
10:00 am to 11:00 am	Introduction to LabVIEW Desktop Programming Graphical Programming Benefits
11:30 am to 12:00 pm	Hands on - The LabVIEW Environment
12:30 pm to 04:00 pm	Hands on - The LabVIEW Programming Concepts

Date : 6th February 2018

Time	Particulars
11:00 am to 12:00 am	Hands on - Create New Sub V6 from Scratch & Logo and Structures
12:30 am to 12:45 pm	Hands on Working with Data Working with Strings Working with Projects
12:50 pm to 1:00 pm	Hands on User Interface Exercises

Page 2

2.  $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$  (The probability of getting two heads is  $\frac{1}{4}$ .)

[illegible]

Since the number of participants are limited, the regression is performed for each participant separately. Therefore, the fitted regression line is only unique to the participant. The fitted regression line is only unique to the participant. The fitted regression line is only unique to the participant.

~~Participants: Feb 2007~~

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 ECTD  
 Bangalore

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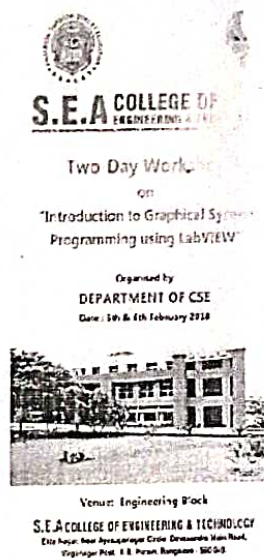


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EKTA Nagar, Near Ayyappanagar Circle, Devasandra Main Road,  
Virgonagar Post, K. R. Puram, Bangalore -560049

## SEACET –Introduction to Graphical System Programming using LabView

### ABOUT THE EVENT:

Two day workshop was hosted by **SEA COLLEGE OF ENGINEERING & TECHNOLOGY** on 05/02/2018 & 06/02/2018. The event was conducted by an external guest Mr. Sivaprakash C of Shri Sairam College of Engineering & Technology, Bangalore.



### Key Highlights:

- Overview and Basics of LabView
- Hands-on illustration of using the tool
- Simulation of results

Workshop was conducted by the Department of CSE, SEA COLLEGE OF ENGINEERING & TECHNOLOGY to encourage the students to understand and use the LabView tool.

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Laboratory Virtual Instrument Engineering Workbench (LabVIEW) is a system-design platform and development environment for a visual programming language from National Instruments. The graphical language is named "G" not to be confused with G-code. Originally released for the Apple Macintosh in 1986, LabVIEW is commonly used for data acquisition instrument control, and industrial automation on a variety of operating systems (OSs), including Microsoft Windows, various versions of Unix, Linux, and macOS.

LabVIEW includes extensive support for interfacing to devices, instruments, camera, and other devices. Users interface to hardware by either writing direct bus commands (USB, GPIB, Serial) or using high-level, device-specific, drivers that provide native LabVIEW function nodes for controlling the device. LabVIEW integrates the creation of user interfaces into the development cycle. The graphical approach also allows nonprogrammers to build programs by dragging and dropping virtual representations of lab equipment with which they are already familiar.

The LabVIEW programming environment, with the included examples and documentation, makes it simple to create small applications. This is a benefit on one side, but there is also a certain danger of underestimating the expertise needed for high-quality G programming

#### Agenda:

##### Day 1:

- Introduction to LabView Dataflow Programming, Graphical Programming Benefits.
- Hands on – The LabView Environment
- Hands on – The LabView Programming Concepts

##### Day 2:

- Hands on – Create New Sub VI from scratch & Loops and Structures
- Hands on working with data working with strings working with projects
- Hands on User Interface Exercises.

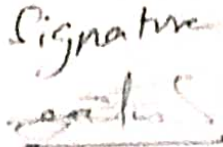



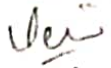
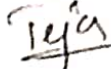
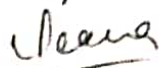


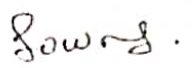
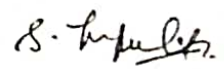
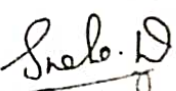
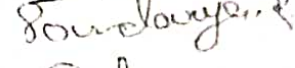

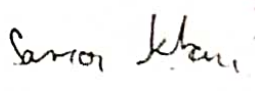



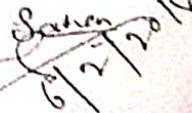
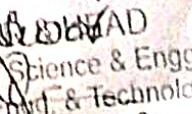
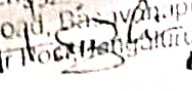

  
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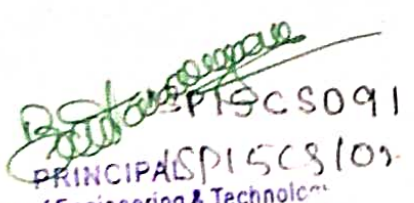


# Two day Workshop on "Introduction to Graphical System Programming Using Labview"

Date: 5<sup>th</sup> & 6<sup>th</sup> Feb 2019

(1)

S.No.	USN Name	Name	Signature
1	ISP15CS093	Gautam	
2	ISP15CS079	Sohane A.K	
3	ISP16CS100	Dayakar Arim	
4	ISP14CS052	Sagar verma	
5	ISP15CS101	Venule P.M	
6	ISP15CS095	Tiya	
7	ISP15CS100	Heena V	
8	ISP14CS103	Vansha Pandey	
9	ISP14CS065	Prateen	
10	ISP15CS088	Sowmya N	
11	ISP14CS078	S. Jagadish	
12	ISP15CS086	Shelo D	
13	ISP15CS084	Souclouye S	
14	ISP15CS090	Swapna M	
15	ISP15CS082	Sameer Khan	
16	ISP15CS061	Sai Pranay K	
17	ISP15CS096	Tejus R	
18	ISP15CS084	Shabunshi Chakraborty	
19	ISP15CS080	Sahana C.S	
20	ISP15CS091	Sworoudeep	
21	ISP15CS101	Hennab	
22	ISP15CS037	HARSHI	

  
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**3.2.2 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years**

Year	Name of the workshop/seminar/conference	Number of Participants	Date From – To	Link to the Activity report on the website	Details of Resource Persons with contact Details
2021-22	VTU-FAFSIP 2022	76	30/06/2022		Dr. Venkatesha M Associate Professor, Dept of ECE, Sai Vidhya Institute of Technology, Rajanukunte, via Yelahanka, Bengaluru, Karnataka 560064
2021-22	Navadhara	100	10/6/2022		Mrs K Anupama joint Secretary, S.E.A Group of Institution, Bangalore
2021-22	Smart India Hackathon	30	4/5/2022		Dr. Pradeep kumar N S Prof & H.O.D, Dept of ECE Mrs. Gayathri N Prof & H.O.D, Dept of ISE Dr. Nijaguna G, Prof & H.O.D, Dept of AIML S.E.ACET, Bangalore
2021-22	Intellectual Property Rights	140	16/07/2022		Mr. Abhishek Singh, Examiner of Patents and Designs, Patents Office, Chennai, Ministry of Commerce and Industry, Govt of India.

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2021-22	Session on "How to Plan for Start-up and Legal & Ethical Steps"	80	20/6/2022		Mr. Thunga Raju, Founder of TIECEE Start-UP Phase-1, Pheeny, Bangalore-560058
2020-21	Agile Software Development	100	26-05-2021		Mr. Gummadi SunilKumar, Senior Software Engineer, Ness Technologies, No. 33, 6th Block, 17th H Main Road, Koramangala, 6th Block, Koramangala, Bengaluru, Karnataka 560095
2019-20	Python Programming with Selenium	75	12/09/2019 to 13/09/2019		Mr. Prabhakar Gudi, S G Software Testing Institute, Vijayanagar, Bangalore-5600040
2019-20	Patents, Intellectual Property Rights & Ethics	41	17-12-2019		1)Ms. Harshitha Suresh, Advocate, Associate with ATV Legal, 1st Floor, 29, Trade Center, 4, Race Course Rd, Bengaluru, Karnataka 560001 2)Ms Sumaiya Banu H.O.D of Humanities, HKBK College, Bangalore
2018-19	Programmable Logic Controller	72	2/3/2019		1) Mrs. Hemalatha, Instrumentation Engineer, Live Wire, Whitefield, Bangalore

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2018-19	Android APP Development for Embedded System	52	4/4/2019 to 5/4/2019	Mr. Kotresh, Director, ITK, #50/1, Channasandra, Whitefield, Bangalore-560067
2018-19	Internet of Things	76	12/09/2019 to 13/09/2019	1) Mr. Ganesh Sankar, CEO 2) Mr. Jagatheeswaran Senthilvelan, Head of Innovation and Technology, FluxGen Technologies, 1064, 1st floor, 18th Main, 2nd Stage, BTM Layout, Bengaluru, Karnataka 560076
2017-18	Entrepreneurship Development	80	16-02-2018	Mr. Manoj Gautham, CMO of Lyman Technologies Pvt. Ltd, Magrath Road, Ashok Nagar, Bengaluru, Karnataka 560025
2017-18	PCB Design	55	5/3/2018 to 7/3/2018	Mr. Kotresh, Director, ITK, #50/1, Channasandra, Whitefield, Bangalore-560067
2017-18	Introduction to Graphical System Programming using LabVIEW	30	5/2/2018 to 6/2/2018	Mr. Shivaprakash C, Assistant Professor and HOD(ECE), Shri Sairam College of Engineering & Technology, Anekal, Bangalore

*B. S. Suresh*

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