



**SOUTH EAST ASIAN EDUCATION TRUST®**  
**S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY**  
(Approved by All India Council for Technical Education (AICTE), New Delhi)  
Affiliated to Visvesvaraya Technological University(VTU), Belagavi, Recognised by Government of Karnataka)

Department of Electronics and Communication Engineering

## **Report on the seminar on IoT Enabling Technologies**

A seminar on IoT Enabling Technologies was organized by Department of Electronics and Communication Engineering, S.E.A College of Engineering and Technology, Bangalore on 13<sup>th</sup> January, 2023 at 11:00am. The workshop was arranged for Second year, Third year and Final year ECE students. Nearly 80 students attended the seminar. Inauguration for the seminar was held on AC seminar hall at 11:00am. The function was presided by Dr.B.Venkatanarayana, Principal, SEACET and introduction of resource persons was given by Dr. Pradeep Kumar N.S., HOD, ECE, SEACET.

The resource person for this seminar is MVV Prasad Kantipudi, Associate Professor, Symbiosis Institute of Technology, Pune

### **About Seminar:**



**S.E.A College of Engineering and Technology**  
Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi  
Elda Nagar, Near Ayyappa Nagar Circle, Devasandra Main Road, K.R.Puram, Bangalore-49



**Department of Electronics and Communication Engineering**  
**Organizes**  
**A One day Seminar on**  
**"IoT Enabling Technologies"**  
**In Association with IQAC and IIC**



**MVV PRASAD KANTIPUDI**  
**Associate Professor**  
**SIT, Pune**



**INSTITUTION'S INNOVATION COUNCIL**  
(Ministry of HOD Institutes)



**On 13<sup>th</sup> January 2023 at 11.00AM**  
**Venue: AC Seminar Hall**



## About Resource Person:



**MVV PRASAD KANTIPUDI** is working as an Associate Professor in the Dept. of E&TC, Symbiosis Institute of Technology, Pune. He received his B.Tech. (Electronics and Communications) (2009) & M.Tech. (Digital Electronics and Communication Systems) (2011) degrees from Jawaharlal Nehru Technological University, Kakinada. He received his Ph.D. (Signal Processing specialization) from BITS, VTU, Belagavi (2018). He, previously, worked as the Director of Advancements for Sreyas Institute of Engineering & Technology, Hyderabad, and also as an Associate Professor with R.K. University, Rajkot. He is having teaching experience of around 12 years. His current research interests are in Signal Processing with Machine Learning, Internet of Things, Green Energy Technologies, Education and Research. He is recognized as a technical resource person for Telangana state by the IIT Bombay Spoken tutorial team. He conducted key Training Workshops on Open-Source Tools for education, Signal Processing and Machine Learning focused topics, Educational Technology, etc. He has authored and co-authored many papers in International Journals, International Conferences, National Conferences and published five Indian Patents. Prasad is a Senior Member of IEEE (Membership ID: #93513961) and an active member of Machine Intelligence Research Labs and USERN (Universal Scientific Education and Research Network) (April 2020 – present). He is one of the active reviewers for Wireless Networks, Journal of Springer Nature. His name is listed at 19<sup>th</sup> position in Top 100 Private University's Authors Research Productivity Rankings given by the Confederation of Indian Industry (CII) based on the "Indian Citation Index" Database 2016.

## Objective of Seminar:

- To know the basics of IoT Visions and its features.
- To learn the categories of IoT Enabling Technologies.
- To know and learn the IoT Security and Privacy issues.
- To learn about the open research problems.

MVV Prasad Kantipudi started his lecture stating the importance of IoT in our day to day life and how tremendous growth it has taken in the short span. He explained in brief about various categories of IoT Enabling technologies in various fields. How the basic python programming language plays a key role in enabling IoT. In what methods we can concentrate on IoT Security and Privacy issues. How IoT is enabled in sensing technologies, communication and networks, software and algorithms, cloud platforms and security mechanisms. And he concluded by saying when more data is created the better understanding and wisdom people can obtain. And interacted with students by giving his observations on open research problems in IoT.



Snapshots from seminar are presented below.





GPS Map Camera



## Bengaluru, Karnataka, India

2P58+667, Bethel Nagar, Krishnarajapura, Bengaluru, Karnataka  
560049, India

Lat 13.008657°

Long 77.715698°

13/01/23 12:14 PM GMT +05:30





The seminar was concluded at 12.30pm. The seminar ended with the vote of thanks. It was given by Dr. Pradeep Kumar N.S., HOD, ECE, SEACET. Feedback forms were collected from the students. Seminar was highly informative to students and staffs. Thus seminar provided valuable awareness and insights on the various aspects of IoT Enabling Technologies.

#### **Seminar Outcome:**

- Students learnt the basics of IoT Visions and its features.
- The categories of IoT Enabling Technologies was explained in detail.
- Students got insights about various IoT Security and Privacy issues.
- Finally, the open research problems were discussed in elaborate manner.

**Students Name list – Seminar:**

S NO	USN NO	NAME OF STUDENT
1	1SP21EC001	AISHWARYA D
2	1SP21EC002	AISHWARYA H R
3	1SP21EC003	AMULYA PATIL D A
4	1SP21EC004	BHARADWAZ R
5	1SP21EC005	DENITHA D
6	1SP21EC006	GODLAVEETI GURUMAHESH
7	1SP21EC008	JAGATI SAI TEJA
8	1SP21EC009	JALANI K S
9	1SP21EC010	KANNIKA P N
10	1SP21EC011	KARTHIK V H
11	1SP21EC12	KEVIN GEORGE D
12	1SP21EC13	L PAWAN KUMAR
13	1SP21EC14	MOHAMMED NAWAZ ULLAH
14	1SP21EC15	NIKHIL K
15	1SP21EC17	RANJITHA M
16	1SP21EC18	S YUVARAJ
17	1SP21EC19	SACHIN KUMAR S
18	1SP21EC020	SAHANA H
19	1SP21EC21	SHAMME ZEHRA
20	1SP21EC22	SINDHU K J
21	1SP21EC23	SINDHU V
22	1SP21EC24	SKANDA P
23	1SP21EC25	SONIKA N
24	1SP21EC26	SOWMYA P
25	1SP21EC027	SPOORTHY J
26	1SP21EC28	SRIDHAR S MELI
27	1SP21EC30	SUZAIN KHANUM
28	1SP21EC031	THIRTA KUMAR H B
29	1SP21EC32	VAISHNAVI PATIL
30	1SP21EC33	VARAPRASAD K
31	1SP21EC34	VENUGOPAL H R
32	1SP21EC35	VYSHNAVI A R
33	LATERAL ENTRY	ASWINI T
34	LATERAL ENTRY	BHARATHI
35	LATERAL ENTRY	CHARITHRA RANI
36	LATERAL ENTRY	KARTHIKEYA K
37	LATERAL ENTRY	KULDEEP
38	LATERAL ENTRY	SAI NIKHIL
39	LATERAL ENTRY	SUDEEP B S
40	LATERAL ENTRY	Trisha
41	1SP20EC001	BHAVANI S
42	1SP20EC002	CHAKKIRI V SUDHEER KUMAR

43	1SP20EC003	E NANDINI
44	1SP20EC004	EDURU RAJESH
45	1SP20EC005	JYOTHI NN
46	1SP20EC006	LOKESH P
47	1SP20EC007	MOHITH GOWDA
48	1SP20EC008	D N PADMANAND
49	1SP20EC009	SNEHA SHREE
50	1SP20EC010	PRATHIK KUMAR RAI
51	1SP17EC007	HOSMANI SANJUKUMAR
52	1SP18EC002	CHANDAN
53	1SP18EC012	SRIPRIYA N
54	1SP19EC001	ABHILASH C
55	1SP19EC002	ANIRBAN SANKI
56	1SP19EC003	ANIYA KAUSAR
57	1SP19EC004	ARBEEN TAJ
58	1SP19EC005	BHARATH B
59	1SP19EC006	BINU
60	1SP19EC007	BYRE GOWDA N
61	1SP19EC009	CYRIL PAUL RAYAN
62	1SP19EC010	GLORY D'SOUZA R
63	1SP19EC011	IMPANA
64	1SP19EC012	KAVITHA P
65	1SP19EC013	LAVANYA K
66	1SP19EC014	MAMTA KUMARI
67	1SP19EC015	MANJUNATH B
68	1SP19EC016	MANOJ GY
69	1SP19EC017	NAVEEN Y
70	1SP19EC018	PALLAVI AS
71	1SP19EC019	PARVATHI S
72	1SP19EC020	PRAJWAL
73	1SP19EC021	PRIYANKA KUMARI
74	1SP19EC022	RAJESH P
75	1SP19EC023	SATHVIKA GB
76	1SP19EC024	AVINASH S
77	1SP19EC026	VY SANTHOSE
78	1SP19EC027	YASHWANTH GOWDA
79	1SP19EC028	YOGESH V
80	1SP19EC030	RISHI VARDHAN

Students Attendance sheet (scanned):

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY			
Department of Electronics and Communication Engineering			
Students Attendance (ACADEMIC YEAR 2022-23 -ODD SEM)			
Seminar on 'Energy Conservation & Innovation in House hold Applications' 29-12-22			
S No	USN	NAME OF THE STUDENT	SIGNATURE
1	1SP21EC001	AISHWARYA D	Aishwarya.D
2	1SP21EC002	AISHWARYA H R	Aishwarya.H.R
3	1SP21EC003	AMULYA PATIL D A	Amulya patil
4	1SP21EC004	BHARADWAZ R	bharadwaz.R
5	1SP21EC005	DENITHA D	denitha.d
6	1SP21EC006	GODLAVEETI GURUMAHESH	Gurumahesh
7	1SP21EC008	JAGATI SAI TEJA	SaiTeja
8	1SP21EC009	JALANI K S	Jalani.K.S
9	1SP21EC010	KANNIKA P N	Kannika.P.N
10	1SP21EC011	KARTHIK V H	KARTHIK.V.H
11	1SP21EC12	KEVIN GEORGE D	Kevin
12	1SP21EC13	L PAWAN KUMAR	L.Pawan
13	1SP21EC14	MOHAMMED NAWAZ ULLAH	Nawaz
14	1SP21EC15	NIKHIL K	Nikhil
15	1SP21EC17	RANJITHA M	Ranjitha.M
16	1SP21EC18	S YUVARAJ	S.Yuvaraj
17	1SP21EC19	SACHIN KUMAR S	Sachin Kumar
18	1SP21EC020	SAHANA H	Sahana
19	1SP21EC21	SHAMME ZEHRA	ShammeZehra
20	1SP21EC22	SINDHU K J	Sindhuk.K.J
21	1SP21EC23	SINDHU V	Sindhu.V
22	1SP21EC24	SKANDA P	Skanda.p
23	1SP21EC25	SONIKA N	Sonika.N
24	1SP21EC26	SOWMYA P	Sowmya.p
25	1SP21EC027	SPOORTHY J	Spoorthy
26	1SP21EC28	SRIDHAR S MELI	Sridhar
27	1SP21EC30	SUZAIN KHANUM	Suzain
28	1SP21EC031	THIRTA KUMAR H B	Thirtakumar
29	1SP21EC32	VAISHNAVI PATIL	V.Patil
30	1SP21EC33	VARAPRASAD K	Varaprasad
31	1SP21EC34	VENUGOPAL H R	venugopal
32	1SP21EC35	VYSHNAVI A R	Vyshnavi
33	LATERAL ENTRY	ASWINI T	ASWINI.T
34	LATERAL ENTRY	BHARATHI	AB
35	LATERAL ENTRY	CHARITHRA RANI	Charithra Rani.B
36	LATERAL ENTRY	KARTHIKEYA K	Karthik.K
37	LATERAL ENTRY	KULDEEP	Kuldeep



38	LATERAL ENTRY	SAI NIKHIL	Nikhil
39	LATERAL ENTRY	SUDEEP B S	Sudeep B.S
40	LATERAL ENTRY	Trisha	AB
41	1SP20EC001	BHAVANI S	Bhavani S
42	1SP20EC002	CH VENKATA SUDHEER KUMAR	Ch. Venkata
43	1SP20EC003	E NANDINI	E. Nandini
44	1SP20EC004	EDURU RAJESH	Eduru
45	1SP20EC005	JYOTHI NN	Jyothi NN
46	1SP20EC006	LOKESH P	Lokesh P
47	1SP20EC007	MOHITH GOWDA C B	Mohith
48	1SP20EC008	D N PADMANAND	D. N. Padmanand
49	1SP20EC009	SNEHA SHREE	Sneha Shree
50	1SP20EC010	PRATIK KUMAR RAI	Pratik
51	1SP19EC001	ABHILASH C	Abhilash
52	1SP19EC002	ANIRBAN SANKI	Anirban Sanki
53	1SP19EC003	ANIYA KAUSAR	Aniya
54	1SP19EC004	ARBEEN TAJ	Arbeen
55	1SP19EC005	BHARATH B	Bharath B
56	1SP19EC006	BINU B	Binu B
57	1SP19EC007	BYREGOWDA N	Byregowda N
58	1SP19EC009	CYRIL PAUL RAYAN	Cyril Paul Rayan
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61	1SP19EC012	KAVITHA P	Kavitha P
62	1SP19EC013	LAVANYA K	Lavanya K
63	1SP19EC014	MAMTA KUMARI D	Mamta
64	1SP19EC015	MANJUNATH B	Manjunath B
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66	1SP19EC017	NAVEEN Y	Naveen Y
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69	1SP19EC020	PRAJWAL R J	Prajwal R J
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71	1SP19EC022	RAJESH P	Rajesh P
72	1SP19EC023	SATHVIKA GB	AB
73	1SP19EC024	AVINASH S	Avinash S
74	1SP19EC026	VY SANTHOSH	V. Y. Santhosh
75	1SP19EC027	YESHWANTH GOWDA	Yeshwanth
76	1SP19EC028	YOGESH V	Yogesh V
77	1SP19EC030	RISHI VARDHAN	Rishi Vardhan
78	1SP17EC007	HOSMANI SANJUKUMAR	AR
79	1SP18EC002	CHANDAN J A	Chandana
80	1SP18EC012	SRIPRIYA N	Sripriya N

Sample Feedback forms from students (scanned):



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

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

Basavanapura, Ekta Nagar, K.R.Puram, Bangalore-560049

**Students Feedback Form**

**Seminar on "Energy Conservation & Innovation in House hold Applications" for ECE students in association with IQAC & IIC on 29<sup>th</sup> December, 2022**

Seminar Name: Energy Conservation & Innovation in House hold Date: 29/12/22

Name of the Institution: S.E.A College of Engineering & Technology

Program Date: 29/12/22

Name of the Participant: Ranjitha-M

Department: Electronics and Communication Engineering

USN NO: 1SP21EC017

Year and Semester: 2<sup>nd</sup> / 3<sup>rd</sup> Sem

Address: #116 Ganesh Temple road old Byappanahalli

MS Nagar post Bangalore-560033

Phone No: 6360569126 Mobile No: 6360569126 e-mail ID: ranjitha18m@gmail

➤ Write down the benefits got by attending this program?

From this program we have learn to identify label rating and also we came to how important the conservation of energy / power is important.

➤ Any Notes or Content Material provided (Y/N): NO

➤ Does this program have brought any change in your understanding of the subject, skills and your attitude towards the learning ?

NO

➤

➤ Have you found any innovative idea of making learning process from this program? Explain.

NO

- > Whether initiatives like this should be organized in the coming future or not? Give reason.

Yes

- > How do you plan to share the gained knowledge/skill with your friends who did not attend the program?

Yes

- ✓ Kindly give rating to the different aspects of Seminar (Out of 10 marks)

Particular	Marks Given	Any Remarks
(a). Course Content	9	NO
(b). Resource Persons	8	NO
(c). Presentations	8	NO
(d). Interactive Sessions	8	NO
(e). Reading Material	9	NO
(f). Basic Facilities	9	NO
(g). Overall	51	NO

Ranjitha.M  
Signature of the Participant





# S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Basavanapura, Ekta Nagar, K.R.Puram, Bangalore-560049

## Students Feedback Form

Seminar on "Energy Conservation & Innovation in House hold Applications" for ECE students in association with IQAC & IIC on 29<sup>th</sup> December, 2022

Seminar Name: Energy Conservation and Innovation in House hold Applications Date: 29/12/22

Name of the Institution: SEA College of Engineering and Technology

Program Date: 29/12/22

Name of the Participant: Mohith Gonda CiB

Department: ECE

USN NO: LSP20EC007

Year and Semester: 3<sup>rd</sup> & 5<sup>th</sup>

Address: Kolar

Phone No: - Mobile No: 8553677607 e-mail ID: mohithgonda7475@gmail.com

➤ Write down the benefits got by attending this program?

I came to know about star in electrical appliances

➤ Any Notes or Content Material provided (Y/N): N

➤ Does this program have brought any change in your understanding of the subject, skills and your attitude towards the learning ?

Yes,

➤ Have you found any innovative idea of making learning process from this program? Explain.

No

- Whether initiatives like this should be organized in the coming future or not? Give reason.

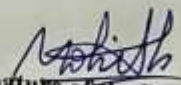
Yes

- How do you plan to share the gained knowledge/skill with your friends who did not attend the program?

word of mouth

- ✓ Kindly give rating to the different aspects of Seminar (Out of 10 marks)

Particular	Marks Given	Any Remarks
(a). Course Content	9	
(b). Resource Persons	10	
(c). Presentations	10	
(d). Interactive Sessions	9	
(e). Reading Material	0	
(f). Basic Facilities	9	
(g). Overall	9	

  
Signature of the Participant