



an introduction to iot and applications 2

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INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION
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Dear Faculty Members,

IETE Chennai are conducting a webinar serie
Institute of Technology, Easwari Engineering Colle
Vel Tech Multi Tech Dr SR Dr RR Engineering Colleg

Topic: An Introduction to IOT and Applicatio

Date: 4th July 2020 (Saturday)

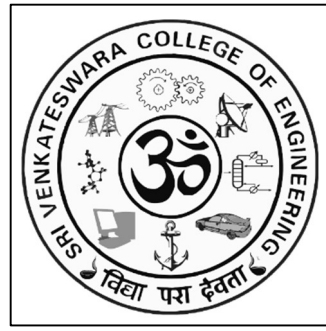
Timings: 04.00 p.m. to 05.00 p.m.

Register@: <https://tinyurl.com/ietewebinar10>

Speaker: Shri.G.L.Ganga Prasad
Ex. Senior Director Centre For Develo
Computing, Bengaluru

Join Zoom Meeting

<https://gpeducation.zoom.us/j/98262096879>



REPORT ON WEBINAR SERIES #10

“AN INTRODUCTION TO IOT AND APPLICATIONS”

Webinar Series #10 was coordinated by the IETE Student Forums of five colleges namely, Sri Venkateswara College of Engineering, Panimalar Institute of Technology, Easwari Engineering College, Jeppiaar Institute of Technology and Veltech Multitech Engineering College.

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY VADAPALANI

PANIMALAR INSTITUTE OF TECHNOLOGY

EASWARI ENGINEERING COLLEGE

SRI VENKATESWARA COLLEGE OF ENGINEERING

JEPPIAAR INSTITUTE OF TECHNOLOGY

VEL TECH MULTI TECH Dr. RANGARAJAN, Dr. SAKUNTHALA ENGINEERING COLLEGE

IETE NEW DELHI

IETE STUDENT FORUM

WEBINAR SERIES

WEBINAR 10

AN INTRODUCTION TO IOT AND APPLICATIONS

 **G.L. GANGA PRASAD**
SENIOR DIRECTOR CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING
BENGALURU

04/07/2020 SATURDAY 4:00 PM TO 5:00 PM IST

E - CERTIFICATES WILL BE GIVEN

REGISTRATION LINK <https://tinyurl.com/webinaar10>

WEBINAR LINK
DOWNLOAD ZOOM APP
<https://gpeducation.zoom.us/j/98262096879>

MEETING ID : 98262096879
PASSWORD : 615296

FLYER ON WEBINAR #10 BY IETE CHENNAI CENTRE

The Webinar was delivered by Mr.G.L.Ganga Prasad on 04/07/2020 from 4:00 PM to 5:00 PM (Saturday). 203 participants actively participated in the Webinar.

Mr.G.L.Ganga Prasad is currently working as the Senior Director at the Centre For Development of Advanced Computing, Bengaluru. He was the key designer of the first indigenously developed SCADA, which won the Golden Eagle award presented by IETE in the year 2004. He was instrumental in setting up several groups in C-DAC like Networking, Graphics, Training School, Real Time Systems, and ICT for Development. He has co-authored a book on GUI. He has published over 15 research papers both in national and international conferences. He has guided over 200 B.Tech and 30 M.Tech students for their thesis work. His current interests are Internet of Things & Cloud computing, Big Data Analytics, Health Informatics,

Cyber Security and SCADA for Smart Energy Grid. He is a Senior Member of several institutions like IEEE, ACCS, IETE (Fellow) & CSI. Past President, Secretary of Advanced Computing and Communications Society (ACCS). Formerly he was Director and Scientist G at C-DAC Bangalore. Prior to this he was Vice President of Encore Software Limited. He has a Masters Degree in Electronics & Communications from National Institute Technology, Suratkal.

The session progressed with the expert talk by Mr.G.L.Ganga Prasad. He gave a detailed outlook on IOT and its applications.

Some of the key points discussed in the Webinar were:

- Basics of IOT
- Why IOT?
- Components
- Communication in IOT
- Standards for IOT
- Applications of IOT
- Prospects and future

3 History Recording LIVE on Facebook

1800s: First electronic communication devices created (Telegraph, Fax, Radio etc)

1800s: Nicola tesla said "When wireless is applied perfectly whole world can be converted into a big brain"

1926: Tim-Berners-Lee proposed WWW

1989: Rise of internet and several experimental results

1990s: Kevin Ashton coins the word "Internet of Things" at his lab Auto-ID at MIT

1999: First time UN mentions IoT in its ITU report ... new dimensions added to the world from anytime, anyplace connectivity for anyone ... and his will explode to new dimension called Internet of Things"

2005: IPv6 is launched. It would provide 340 undecillion IP addresses. Means it would address all atoms on the surface of earth and 100 more earths. Entry into Gartner hype cycle

2011: Intel launches a specific group to address IoT Solutions

2013: Intel launches a specific group to address IoT Solutions

Ganga Prasad, Former Director CDAC

22 IoT Notes Recording LIVE on Facebook

CDAC - UBIMote

- Highly integrated IEEE 802.15.4 System on Chip with ARM Cortex M3 microcontroller with 32kB RAM, 512kB Flash
- Modes of operation as Coordinator, Router and End device
- Intelligent power system with rechargeable lithium polymer battery and solar energy harvesting
- State of the Art Security Engines for RSA, SHA2, AES and Random number generator.
- Expansion headers for connecting UbiSense and External Sensors
- High range variant for Longer coverage

Mute Start Video Share Participants More

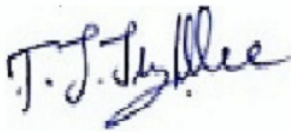
SESSION BY Mr.G.L.GANGA PRASAD(SPEAKER)

The session was truly interesting and enlightening. All the participants were captured by the knowledge portrayed by the chief guest speaker. The chief guest speaker was also very interactive and answered every question put forth by the participants during the “Q&A” session. The session concluded with a Vote of Thanks.

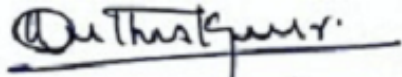
Total Number of Participants: 203

The participants were from different colleges throughout India.

SVCE-ISF team comprising of Ms.T.J.Jeyaprabha and Ms.D.Menaka, SVCE-ISF coordinators, Honorary Secretary of SVCE-ECE-ISF - Mr.Thejeshrao (III Year ECE) and SVCE-ECE-ISF Executive Members Mr.Vishnusai (II Year ECE), Mr.Niranjana (II Year ECE), Mr.Harshavardhan (II Year ECE) and Ms.Reshmi (II Year ECE) and Mr. Piyush (III Year ECE), RAIC President, synchronized well in communicating the significance of the webinar to the SVCE student fraternity and coordinated for the successful execution of the event.



Co-ordinator



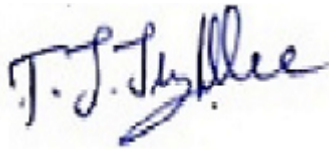
**Head of the Department
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Sri Venkateswara College of Engineering
Sripurambudur - 602 117. India**

(2017-2021 batch)

Sl. No.	University / College Roll No	First Name	
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2	170701004	Abirami Sivakumar	ECE
3	170701007	Afridha M	ECE
4	170701008	Agela M	ECE
5	170701010	Ajgith Krishnan	ECE
6	170701012	AKSHAYA C. R	ECE
7	170701016	Anirudh Balaji	ECE
8	170701017	Anusmrthi J	ECE
9	170701018	Anvita Ashokkumar	ECE
10	170701023	Balaji M	ECE
11	170701024	Baskar Ganesarajaram	ECE
12	170701026	Bhuvanewari Chandrasekaran	ECE
13	170701028	DEEPAN R	ECE
14	170701029	Dhanush kumar D	ECE
15	170701030	Dharmasurya A	ECE
16	170701031	Dhinesh Thyagarajan	ECE
17	170701032	DHYANESHWARAN N V	ECE
18	170701036	Gokulakrishnan K	ECE
19	170701038	S Gopalakrishnan Sundaramurthy	ECE
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25	170701048	Jailesh Perumal S	ECE
26	170701049	Jayanth Subramanian Saravanan	ECE
27	170701050	Jayashree J N	ECE
28	170701055	KAMALI N	ECE
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30	170701058	Kavwin Kailash N	ECE
31	170701059	Kavya E	ECE
32	170701060	KEERTHANA LAKSHMI KESAVAN	ECE
33	170701061	Keerthana Ramesh sankar	ECE
34	170701062	Keerthi Raj Dillibabu	ECE
35	170701063	Keshav E	ECE
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42	170701074	Lokesh S	ECE
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49	170701093	Nitish K	ECE
50	170701096	Prakash Chellapandian	ECE
51	170701099	Preetha G	ECE
52	170701101	Prem Raj S	ECE
53	170701102	Pritam A	ECE
54	170701103	Ragavi Annamalai	ECE
55	170701104	Rahil H Sakariya	ECE
56	170701105	Rahil Jain	ECE
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60	170701114	Saai Ghanesh P	ECE
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62	170701118	Sairam K	ECE
63	170701122	Santhosh S	ECE
64	170701125	Saranya Krishnamurthy	ECE
65	170701126	Shalini A J	ECE
66	170701129	Shivani R	ECE
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69	170701135	subhashree p s	ECE
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85	170701156	Vinothini S	ECE
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87	170701303	ASWINI G	ECE
88	170701305	Bharath Kumar Venkatesan	ECE
89	170701309	Harish.S Sundar	ECE
90	170701310	Sharath N	ECE
91	170701158	Vivek	ECE
92	170701033	Freddy Immanuel. S	ECE

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94	170701097	K. PRANAV KANNA	ECE
95	170701120	S.R Sakthi Saileshram	ECE
96	170701144	Tejwin Gehlot	ECE
97	170701121	Sandeep Pai	ECE
98	170701123	Santhosh vs	ECE
99	170701132	Siddharth J	ECE
100	170701147	Thejesh Chandar Roa	ECE



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