



VIT- A place to learn: A chance to grow

VELLORE INSTITUTE OF TECHNOLOGY

VIT has made a mark in the field of higher education in India by providing quality education on par with international standards, through its 35 years of existence in a cross-cultural ambience with extensive application oriented research. VIT was founded in 1984 by Dr. G. Viswanathan, a former parliamentarian and Minister in the Tamil Nadu Government, as a self-financing institution called Vellore Engineering College. Since then, the institution has grown from strength to strength. Conferred as Deemed to be university in 2001 by MHRD, VIT Currently offers UG, PG and Research programmes in its four campuses at Vellore, Chennai, Bhopal and Amaravati.

E mail & Contact No: rradha@vit.ac.in

+91-9444787294

Leninisha.shanmugam@vit.ac.in

+91-9840546118

VIT CHENNAI

VIT Chennai is a globally engaged, competitive, comprehensive and research-enriched university campus strategically positioned in the capital city of Tamil Nadu, to respond to major industrial, social, economic and environmental demands and challenges. VIT Chennai is ably spearheaded by Dr.Sekar Viswanathan, Vice President, Dr.Sandhya Pentareddy, Executive Director, Dr.Rambabu Kodali, Vice Chancellor and Dr.V.S.Kanchana Bhaaskaran, Pro Vice Chancellor of VIT Chennai. They share in the mission to make VIT a global center. The focus is to:

- ✓To maximize the Industrial connectivity
- ✓To create Centres of Excellence in contemporary areas of research
- ✓To enrich Technological and Managerial Human Capital nurtured in a multicultural ambience
- ✓To provide a common platform for the agglomeration of ideas of personnel from various walks of life for learning enrichment
- ✓To create opportunities and exploit the available resources to benefit industry/society
- ✓To encourage participation in the National Agenda of knowledge building
- ✓To foster International collaborations for mutual benefits in areas of research.

Register Online

<https://forms.gle/EFhLVsW99ikuGa8O7>



VIT®

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

5 days online Faculty Development Program

on

“IoT Communication Technologies”

24th -28th, November 2020

Co-ordinators

Dr. R. Radha

Dr. S. Leninisha

School of Computer Science and Engineering,

***Vellore Institute of Technology,
Chennai***

About SCOPE

The School of Computer Science and Engineering at VIT University was established for imparting a state of art education, training and research in the field of Computer Science and allied areas. It offers B.Tech (CSE), B.Tech (CSE with specialization in Artificial Intelligence and Machine Learning), B.Tech (CSE with specialization in Cyber Physical Systems), B.Tech (CSE with specialization in Artificial Intelligence and Robotics), M.Tech (CSE), M.Tech (CSE with specialization in Cloud Computing), M.Tech (CSE with specialization in Big Data Analytics), MCA, M.Tech (Software Engineering) ,M.Tech (CSE with specialization in Business Analytics), M.Tech(CSE with specialization in Artificial Intelligence and Machine Learning), M.Tech(CSE with specialization in Artificial Intelligence and Machine Learning) & Ph.D. research programs in the domain of Computer Science and Engineering.

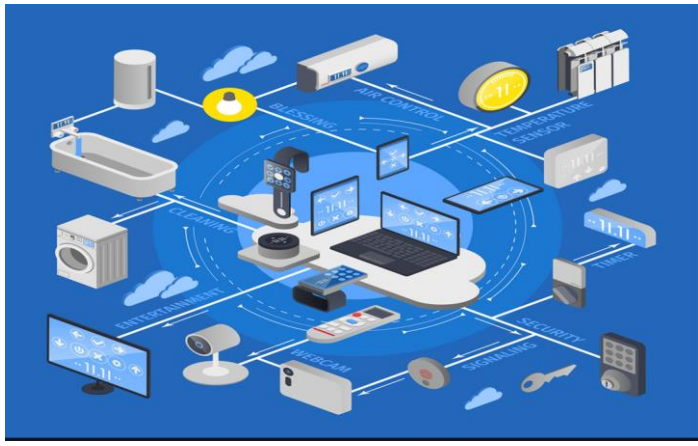
The expertise of the faculty members include Artificial Intelligence, Theoretical Computer Science, Data Mining, Cloud Computing, Big Data Analytics, Distributed Computing, Networks, Software Engineering, Signal Processing, Image Processing, Speech Processing, High Power Clustering, Networks & all frontier areas.

Who can Attend?

This faculty development program is mainly intended for Faculty, Academicians, Research Scholars and Industry persons who would like to learn latest IoT Communication Technologies and excel in their career.

Resource Persons

Research and academic expert from Duy Tan University, Danang, Vietnam, IIT Hyderabad, IIIT Hyderabad, NIT Trichy, University Of Hyderabad, IIT (BHU), VIT Chennai and Industry expert will be the resource persons for the faculty development program



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|-------|---|
| Day 1 | Introduction to IoT, Architecture & its applications |
| | Introduction to 4G and LTE-M |
| | Bluetooth Low Energy (Bluetooth 5.x) |
| Day 2 | Software defined networks and NFV |
| | IEEE 802.11 ah |
| | Introduction to IoT security and research opportunities |
| Day 3 | Intelligent IoT |
| | Zigbee, IPv6, 6LoWPAN and RPL |
| | Smart City Applications in IoT |
| Day 4 | CoAP, MQTT, AMQP and Web socket |
| | Smart agriculture and other applications with IoT |
| | IoT Security - Beyond laws |
| Day 5 | Introduction to LoRa WAN Technology and research opportunities. |
| | Narrowband IoT |
| | Opportunities and Research challenges in IoT |

Registration Details



Registration Fee: Rs.500

The participants can register in this **link** or use **QR Code** for Registration.

<https://forms.gle/EFhLVsW99ikuGa8Q7>

After the registration, Click this link <https://vitchennaievents.com>

and create an account using (**Login>>Create New Account**) to complete the online payment and receipt will be generated after successful transaction. Only the paid participants will be able to attend the FDP.

Last date for registration and Online Payment:

~~20th November 2020~~ **23rd November 2020**

Confirmation and the meeting details will be shared with the participants through the mail.

The participants who attended all the sessions, online activities, and complete the feedback will receive the E-certificate.