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Dr. M. Vadivel, Professor/ECE

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Mrs. K. Tarangini, Assistant Professor
Mr. Subhanvali Shaik, Assistant Professor
Mr. Mirza Sajid Ali Baig, Asst. Professor
Mrs. K. Anagha Kulkarani, Asst. Professor

GENERAL INSTRUCTIONS

- The Faculty members of the AICTE approved Institutions, Research Scholars, PG Scholars, industry personnel and Faculty of host Institutions are also eligible to attend the Program.
- Maximum 100 participants may be allowed to attend online STTP on a first come first serve basis.
- E-certificate will be issued to those participants who have attended the Program with minimum 80% Attendance and scored minimum 60% marks in the Online Test which will be conducted at end of the Program.

REGISTRATION

- Registration for all the participants is mandatory.
- All the participants are kindly requested to register for this STTP through online by visiting <https://forms.gle/my6KrmwCe7ZUKEqQ8>

REGISTRATION FEE

- There is no registration fee for participants as the STTP is sponsored by AICTE.

RESOURCE PERSONS

- Eminent Professors and Industry Experts from leading organizations with an unmatched experience and knowledge in the field of Wireless Communication and IoT.

ADDRESS FOR COMMUNICATION

Dr. M. Vadivel
Professor & Coordinator,
Department of Electronics and Communication
Engineering,
Vidya Jyothi Institute of Technology,
Hyderabad, Telangana
Email: vadivel@vjit.ac.in
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**AICTE Sponsored
One Week Online
Short Term Training Programme (STTP)
On
“Recent Emerging Trends in Wireless
Communication using IoT”**

09-11-2020 to 16-11-2020

FN: 10.00 AM To 12.00 PM

AN: 02.00 PM To 04.00 PM

Organized by

Department of Electronics and Communication Engg.
VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
Aziz Nagar Gate C.B. Post, Hyderabad-500 075, Telangana, India
(An Autonomous Institution)
Accredited by NBA & NAAC



ABOUT THE COLLEGE

Vidya Jyothi Institute of Technology (VJIT) was established in 1999. It is situated in the backdrop of Osmansagar (Gandipet) lake in the serene surroundings of Chilkur Balaji Temple, VJIT has as sprawling and lush green campus with architecturally splendid buildings in an area of 12 acres. The college has got a rich library of books, a state-of-art internet lab, and modern labs for each Department, a central workshop, sports and games facilities. The college is accredited by NAAC & NBA of AICTE. The college prides on the fact that it has a very senior and highly accomplished faculty. VJIT is rated as one of the best engineering colleges in the region.

ABOUT THE DEPARTMENT

The department of ECE is a major strength of the institute. The department has an excellent group of faculty having teaching industry and research experience. The department of ECE offers P.G/U.G Programs M.Tech/B.Tech with an intake of 48 seats in M.Tech and 240 seats in B.Tech. The department has well equipped laboratories. We nurture the young talent available in the country and transform them into enterprising technologists. so that they contribute immensely to the technological development and prosperity of the country and provide dynamic leadership to others. The department is also equipped with exclusive research labs like NI Labview center of excellence, ARM University Program & Cypress PSOC Semiconductors Laboratory.

ABOUT STTP

Now a day's wireless communication plays a vital role in all aspects of human being life. The Internet of Things (IoT) is the group of physical devices embedded with hardware and software. It is mainly useful to connect and exchange data between physical devices. By combining wireless communication with IoT, it is possible to connect and exchange the data with high speed and easy access. The 5G standard is mainly concentrating in the areas such as the Internet of Things (IoT) and low-latency applications. There are more researches going on in the field of wireless communication using IoT. Now a day's it is one of the recent emerging area in all disciplines of Engineering and Technology.

OBJECTIVES OF STTP

The main objective of this training is to introduce

- Various wireless technology used in real time applications of human life.
- A variety of interconnection between wide ranges of physical devices.
- Compactness of systems, easy to access and more speed.

EXPECTED OUTCOME OF STTP

After going through this training, the participant will be able to

- Understand the concept of various technologies used in wireless communication.
- Learn various ideas involved in IoT.
- Learn the interconnecting wireless devices through IoT.
- Do real time activities in wireless communication using IoT

TOPICS TO BE COVERED

- Cellular Internet of Things
- IoT for Industry 4.0
- Advances in 5G communication
- An IoT protocol implementation on wireless sensor network
- Signal Processing and Machine Learning for IoT
- D2D and MM wave communication
- The Role of Communication Technology in IoT
- Security Issues and Challenges in IoT Routing
- Emerging technologies in wireless communication industry - Demystifying LoRa WAN
- Deciding communication strategies for IoT solutions
- Techniques to achieve 5G application requirements
- Evolutionary algorithm for the optimization of wireless networks

