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Mrs. Shilpa M, Asst. Professor, Dept. of E&CE, JIITD

TARGETED PARTICIPANTS

Faculty members of VTU affiliated Engineering Colleges who are handling **Ability Enhancement Course-IoT Lab (21EC581)** and willing to learn IoT Technology.

NOTE

A maximum of 30 participants are accepted. All individuals are welcome to register, and preference will be given on a first-come-first-served basis.

ARKA Education & Cultural Trust® JAIN INSTITUTE OF TECHNOLOGY

(A unit of Jain Group of Institutions, Bangalore)
(Approved by AICTE, New Delhi, Affiliated to VTU, Belagavi,
Recognized by Govt. of Karnataka)
#323, Near Veereshwar Punyashrama, Davanagere – 577003
Website: <https://www.jitud.in>



FIVE DAYS FACULTY DEVELOPMENT PROGRAMME (FDP)

On

Ability Enhancement Course-IoT Lab

(As per 5th Semester VTU 2021 Scheme)

06th to 10th November-2023

In Collaboration with

**Visvesvaraya Technological University,
Belagavi,**

**Manipal School of Information Sciences
(MSIS), Manipal**

&

ISTE



Organized by

**Dept. of Electronics and Communication
Engineering
Jain Institute of Technology, Davanagere**

ABOUT JIT, DAVANAGERE

JIT is one of the best developing engineering colleges of Davangere and is located adjacent to Pune Bangalore National Highway. It has lush green campus. Three programs namely, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering are accredited by National Board of Accreditation, New Delhi. The college has excellent infrastructural facilities that include spacious class rooms, well-equipped laboratories, Workshops, Drawing halls, seminar halls, digital library, EDUSAT room etc. The college has well experienced & dedicated faculty and a strong student's mentorship program.

“Three UG programs are accredited by NBA”

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was started in the year 2011-12. The department emphasizes on imparting advanced technical knowledge in various fields like Signal processing, VLSI Technology, Embedded system, Wireless technology, Microwave Engineering, Optical Communication, Micro Electronics and Control Systems. Highly qualified, experienced and dedicated staff members are the backbone of the department. Well equipped, sophisticated, precision and state of the art laboratories are centre of attraction in the campus. ENCORE association of the department of E & CE aims at targeting innovations in the field of advanced Electronics & Communication. The ECE department is accredited by NBA.

ABOUT FDP

An IoT (Internet of Things) Faculty Development Program is designed to equip faculty members with the knowledge and skills necessary to teach and mentor students in the field of IoT. IoT refers to the interconnectedness of devices and objects through the internet, allowing them to collect and exchange data for various applications. IoT is a rapidly evolving field with numerous applications across industries, making it essential for educational institutions to prepare their faculty to effectively teach IoT concepts and technologies. Objectives of the FDP is to provide

- The program involves the development of Ability Enhancement Course-IoT Lab with respect to the 2021 VTU scheme syllabus (21EC581) for 5th semester students.
- Faculty members are trained in the technical aspects of IoT, including hardware components (sensors, actuators, and microcontrollers), communication protocols (such as MQTT or HTTP), data analytics, and IoT security. Hands-on training is the part of this FDP.
- Familiarity with popular IoT development platforms and tools, such as Arduino, Raspberry Pi, and cloud-based IoT platforms is included in this training.
- Faculty members learn about the latest trends and real-world applications of IoT in various industries, such as healthcare, agriculture, smart cities, and manufacturing. Staying current with industry developments is crucial for effective teaching.

This Faculty Development Program is essential for faculty members to educate the next generation IoT professionals. As the field of IoT continues to evolve, staying up-to-date and adapting teaching methods and materials are crucial for providing quality education in this area.

RESOURCE PERSONS

1. **Dr. Prathviraj N**, Associate Professor, Manipal School of Information Sciences, Manipal
2. **Mr. Raghudathesh G P**, Assistant Professor - Senior Scale, Manipal School of Information Sciences, Manipal
3. **Mr. Raviteja B**, Assistant Professor, GMIT, Davangere

REGISTRATION (FREE)

1. For registration of the FDP, please visit:

<https://forms.gle/Z6sDwBfYWCVWMzCz7>

2. Fill in all necessary details.

IMPORTANT DATES

Last date (Online Registration): 03-11-2023

Selection Intimation by E-mail: 04-11-2023

Duration: 06-11-2023 to 10-11-2023

CONTACT PERSONS

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