

About the FDP

The Internet of things (IoT) describes the network of physical objects—"things"—that are embedded with sensors, software, and other technologies for the purpose of connecting and exchanging data with other devices and systems over the Internet. Things have evolved due to the convergence of multiple technologies, real-time analytics, machine learning, commodity sensors, and embedded systems.

IoT technology is most synonymous with products pertaining to the concept of the smart and intelligent things. . This particular FDP will certainly be beneficial to the participants to conceptually understand this cutting edge technology and for further research.

About the GTU- Graduate School of Engineering and Technology

Graduate School of Engineering and Technology (GSET) is running two AICTE approved post graduate programs: (1) M.E. Computer Engg. (specialization in Cyber Security) and (2) M.E. Electronics and Communication Engg. (specialization in Mobile Communication and Network Technology). (3) M.E Internet of Things (4) ME - Bio Technology (5) PG Diploma in Data Science. Recently GSET started a Post Graduate Diploma in Data Science (GTU approved) program. All the programs in GSET are running with the vision of providing excellent technical knowledge and preparing competent manpower in the respective specialization. All programs run under GTU-GSET have an intake of 30 students.

Salient features of the programs running under GTU-GSET:

- The programs are running under university managed- govt. institute.
- Students are facilitated to showcase their talent by arranging various student led programs.

About the GTU

Gujarat Technological University is a premier academic and research institution which has driven new ways of thinking since its 2007 founding, established by the Government of Gujarat vide Gujarat Act No. 20 of 2007. Today, GTU is an intellectual destination that draws inspired scholars to its campus, keeping GTU at the nexus of ideas that challenge and change the world. GTU is a State University with 486 affiliated colleges in its fold operating across the state of Gujarat through its FIVE zones at Ahmedabad, Gandhinagar, Vallabh Vidyanagar, Rajkot and Surat. The University caters to the fields of Engineering, Architecture, Management, Pharmacy and Computer Science.



The University has about 4,00,000 students enrolled in a large number of Diploma, Under Graduate, Post Graduate programs along with the robust Doctoral program. GTU has emerged as an International Innovative University in its pursuit of bringing innovation and internationalization in professional education. Within a really short span it has achieved several national accolades for its endeavour in bringing excellence in professional education. GTU is a pioneer in introducing some innovative learning methodology like "Active Learning", a classroom created online.



Graduate School of Engineering and Technology

Gujarat Technological University
(Established by Government of Gujarat Under Gujarat Act No. 20 of 2007)

Proposes
AICTE Sponsored Faculty Development Program
on
Internet on Things and its
Applications
(From 4th Oct., 2021 to 8th Oct., 2021)
Under AICTE Training and Learning (ATAL) Academy



Venue

GRADUATE SCHOOL OF ENGINEERING AND TECHNOLOGY

Academic Block 5,
Gujarat Technological University
Chandkheda Campus,
Ahmedabad – 382424, Gujarat.
www.gtu.ac.in
www.set.gtu.ac.in

Who Can Register:

The faculty members of the AICTE approved institutions, CBSE School Teachers, Research Scholars, PG Scholars.

Selection:

The preference will be on first-come-first serve basis. The intimation regarding selection will be sent to the candidates by email as per the schedule. Certificates will be issued to the participants only after attending the complete course.

Registration :

No registration fee will be charged from the participants. Registration in the program is on First Come First Serve basis.

Registration Link

<https://www.aicte-india.org/atal>

Registration Step

- Login in Your Account through Mention Link
- Select Month October
- Application ID : 1615534526
- Register for FDP

Important Dates:

Last Date of Registration:
1st October, 2021.

Intimation Date:
2nd October, 2021.

(Note: Early intimation can be sent on request)

Event Topics

Apart from introductory information about data science, major topics that will be covered in this Faculty

Development Program are,

- ⇒ IoT Architecture, Elements and Sensors
- ⇒ M2M IoT Communication protocols P
- ⇒ Development of Cloud based IoT D
- ⇒ Data equalization, preprocessing and analysis
- ⇒ Application of Blockchain and IoT
- ⇒ MQTT based IoT development
- ⇒ Role of IoT in Industry 4.0

Certification:

Program participation E-certification shall be awarded to the participants with 80% attendance and with a score of minimum 60% marks in a test being conducted on the last day of the program, and on submission of online feedback

General Instructions

- The FDP will be conducted through online platform
- Registration is Compulsory through AICTE Portal only.
- Maximum 300 participants may be allowed to attend online FDP on a first come first serve basis.
- Three sessions of 1.15 Hr are scheduled **between 11.00 am to 4.00 pm**
- A test will be conducted by the coordinator at the end of the program
- Attendance 80% or more is mandatory
- A test has to be conducted by online mode on the last day and those who score more than 60% will be termed as successful candidates
- E certificate will be issued for Successful Candidates.

Management Committee

Chief Patron

Prof. (Dr.) Navin Sheth
Hon'ble Vice Chancellor
Gujarat Technological University

Patron

Dr. K. N. Kher
Registrar, Gujarat Technological University

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Organizing Committee

- Ms. Komal Prajapati, Lab Asst., GTU-GSET
- Shri Ranchhodbhai. Khambhala. Librarian
- Shri Harish Vaghela, Office Assistant, GTU-GSET



Mr. Madhukant Patel
CEO, Teksun Lab
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MNIT, Jaipur



Dr. Rakesh Matam
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CSE Department, IIT
Guwahati



Dr. Radhika Kotecha
Head & Associate Professor
IT Department,
KJSIEIT Mumbai

FDP on
“ Internet on Things and it's Applications”

**Prominent
Experts**



Ms. Shilpa Karekera
CEO, Myraa Technologies
Mumbai



Dr. Biswajit Mishra
Associate Professor
VLSI and Embeded
Research, DA-IICT



Mr. Nilesh Ranpura
Manager,
ASIC Design,
E-Infochip



Dr. Jignesh Patoliya
Associate Professor
CSCIT, Charuset
University



Prof. Rakesh Oza
Associate Professor
EC Department,
Marwadi University