

ABOUT THE COURSE

The growth of the Internet of Things (IoT) is explosive and has various application in areas such as Smart cities, Agriculture, Health care, Process industries, etc. IoT is an ecosystem of various interconnected physical objects that are accessible through the internet, which can be controlled from anywhere. IoT has evolved due to the convergence of multiple technologies, real-time analytics, machine learning, commodity sensors and embedded systems. IoTs provide improved process efficiency, proper utilization of assets, and productivity with low-cost. By connecting the edge nodes to the cloud, we can build better automation solutions in various fields using IoT. With tremendous growth opportunity in the field of IoT, this course aims to provide an insight to the IoT architecture and implementation issues associated with it.

COURSE CONTENTS

The course shall cover related topics from the following areas..

- Introduction to IoT & Applications
- Raspberry Pi
- Arduino
- Linux Fundamentals
- Python Programming
- Security Issues
- Building a sample IoT Application

RESOURCE PERSONS

Eminent faculty from National Institute of Technology, Calicut, National Institute of Electronics & Information Technology (NIELIT) and faculty from reputed Engineering Institutions are handling sessions in the course.

WHO SHOULD ATTEND?

Regular faculty / technical staff members of Electronics / Electrical/ Computer Science and allied branches of AICTE approved Govt./Aided/ Self financing Engineering Colleges, Polytechnics and Technical High Schools in Kerala state are eligible to apply for this programme. The number of participants is limited to 30. Admission to the programme is on first come first serve basis.

REGISTRATION FEE

No Registration fee will be charged from the participants of Govt./Aided Institutions. Registration fee Rs.5000/- for all other participants.

TRAVELLING ALLOWANCE

Participants of Govt./Aided Institutions are eligible for accommodation and traveling allowance as per FSDTC norms. Accommodation can be arranged on a payment basis for other participants on prior request .

HOW TO APPLY

Application for admission to the course should be submitted online through the link :

<http://admissions.dtekerala.gov.in/tpms/homeOA>

COORDINATORS

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IMPORTANT DATES

Last date of receipt of application: 17-02-2020

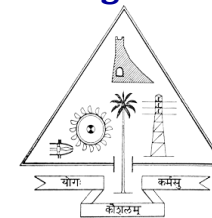


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The Faculty and Staff Development Training Centre Govt. Engineering College Thrissur



Faculty and Staff Development Training Programme

On

IoT BASED SYSTEM DESIGN

24TH to 29TH FEBRUARY 2020



Organized by

**Department of Electronics &
Communication Engineering
Govt. Engineering College Thrissur
Thrissur - 680009, Kerala, India**

Sponsored by

**Directorate of Technical Education
Government of Kerala**

IoT

ABOUT THE COLLEGE

Government Engineering College Thrissur (GEC Thrissur), an ISO 9001: 2008 certified institution, is one of the most prestigious and reputed technical education institution in south India. The College was established in the year 1957 with under graduate programmes in Civil, Mechanical and Electrical engineering branches. The foundation stone of the college main building was laid down by Pandit Jawaharlal Nehru. The college campus spread over an area of more than 75 acres is located at Ramavarmapuram, about 5 km from Thrissur city. Today, the institution has made substantial progress by way of offering eight undergraduate, twelve post-graduate and doctoral programmes in different disciplines. All the UG and majority of the PG programmes are accredited by National Accreditation Board. The start-up initiative of the Technology Business Incubator functioning in the college is growing at a great pace with more than ten start-up organization at present.



ABOUT DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The Department of Electronics & Communication Engineering started in the year 1983 for B.Tech with a current intake of 63 students. In 2010, an M.Tech program in Communication Engineering & Signal Processing began with an intake of 18 students. Spacious laboratories, class rooms, seminar hall, waiting rooms for boys & girls, library and plenty of other amenities are the main attributes of our department. In 2016, the department became a Research Centre of APJAKTU.

Hard working students, faculty and technical supporting staff are the distinctive characteristics of the Department of Electronics & Communication Engineering. Research guidance is offered by faculty of the department in the field of Digital Signal processing & Statistical signal processing. The department has been accredited by NBA for three years in 2017, and is a regularly ISO audited department.

DEPARTMENT'S VISION

To become a nationally acclaimed Department of higher learning and research that will serve as a source of knowledge and expertise in Electronics & Communication Engineering.

DEPARTMENT'S MISSION

1. To provide quality education in the area of Electronics & Communication Engineering, for producing innovative and ethically driven professionals adept at dealing with a globally competitive environment, for the welfare of the nation.
2. To inculcate inquisitiveness in young graduates thereby persuading them to undertake research in emerging areas of Electronics & Communication Engineering.

ABOUT FSDTC

The objective of Faculty and Staff Development Training Centre, Govt. Engineering College, Thrissur is to provide a suitable platform for personal, academic and professional development of the faculty members and the supporting staff of Engineering Colleges in Kerala. The centre strives to improve and strengthen the process of teaching, learning and retention by inculcating a new culture in the system. It manages training programmes on the basis of detailed training need analysis (TNA) among the faculty/staff of engineering colleges in the state. In addition to scientific/technical subject areas, courses on interpersonal relationship, communication skill, E- governance, stress management etc. that are of vital importance in the present time, is organized to enhance the efficiency of academic system.

