Machine learning and the Internet of Things (IoT) unlock insights from data that would otherwise remain undiscovered, enabling more rapid, automatedreactions and better decision-making. Machinelearning for IoT can be used to detectanomalies, forecast future trends, and improve intelligence by ingesting photos, videos, andsounds. Millions of sharp items make up the IoTorganic framework, and asset tasks are required to enable these sharp things to interact and function as intended. This FDP aims at making aware the participants the current and future scope of machine learning and IoT in engineering systems along with some relevant hands on sessions .

Course Outcomes

The attendees of the Faculty Development Program will be able to:

➤ Design and program IoT devices
➤ Use real IoT protocols for communication
➤ Design an IoT device with a cloud computing infrastructure
➤ To be able to formulate machine learnibg problem corresponding to different applications
➤ To understand a range of machine learning algorithms and apply it to real world problems

About the Institute

Government Engineering Palakkad, Sreekrishnapuram is a educational institute established in College premier 1999. It is situated in the Palakkad district of Kerala. The college is fully owned by Govt. of Kerala and is under the Directorate of Technical Kerala. GEC Sreekrishnapuram is Education, approved by the AICTE and is affiliated to APJ Abdul Kalam Technological University (from 2015 onwards). The college offers six full-time B.Tech programs and five M.Tech programs. Also offers PhD under KTU since 2016 various departments.

About the Department

Department of Electronics and Communication Engineering has been in existence since the inception of the College in 1999 offering B.Tech in ECE and has grown. into a full-fledged department offering M.Tech program with specialization in Internet of Things (IoT). The department is equipped with state-of-the-art laboratories and is fully prepared to facilitate teaching, research and consultancy activities. The B.Tech program is accredited by the NBA.

About the Course

The technologies of artificialintelligence, machine learning, big data, andthe internet of things are extremely importantand have the potential to completelytransform both our daily lives and theenvironment in which we live. Applications formachine learning and IoT in particular area numerous and diverse.

FACULTY DEVELOPMENT PROGRAM ON

INTERNET OF THINGS & MACHINE LEARNING APPLICATIONS TO ENGINEERING SYSTEMS

Resource Persons

➤ Eminent faculties from reputed academic institutions
➤ Experts from industries in the relevant fields.

Importand Dates

Start of online registration:
12 December 2023
Deadline of online registration:
15 January 2024
Intimation of selection:
19thJanuary 2024
Course dates:
22nd January to 24th January 2024

Eligibility

➤ Faculty members of Government/Government aided/Self-financing engineering colleges can apply.
➤ There is no registration fee for the course

How to Apply

To apply for the FDP, the candidate has to follow the procedure given below:

1. Applications are to be submitted online through the faculty login option:
   http://admissions.dtekerala.gov.in/tpms/

through the website of the Director of TechnicalEducation, Kerala.An employee, not appointed by the DTE hasnto go to the site http://admissions.dtekerala.gov.in/tpms/homeOA

Then from the listed FDPs, he/she has toapply through the others button. An online application will follow, which is to be filled and ticked for the non-DTE status and to be submitted.(If someone experience any difficultiesrelated with the on-line registration, thematter may be intimated at the earliest to fdpece@gecskp.ac.in)

2. The sponsorship certificate duly attested by the Head of the Institution is to be uploaded while registering.

3. Kindly bring the original sponsorship certificate at the time of the event

Course Coordinators

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Registration Form
Faculty Development Program
Internet of Things and Machine Learning Applications to Engineering Systems

Dept. of Electronics and Communication Engineering, Govt. Engineering College Palakkad, Sreekrishnapuram
(22nd to 24th January, 2024)

1. Name:
2. Age/Date of Birth:
3. Gender: Male/Female
4. Qualification:
5. Designation:
6. Department/Organization:
7. Specialization:
8. Address for communication:
9. Phone:
10. Email:
11. Accommodation required: Yes/No
12. Food preference: Veg/Non-Veg

Declaration by the applicant
The above mentioned information is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the course. I also under take the responsibility to inform the coordinator ,in case I am unable to attend the course.

Place:
Date:

Signature of applicant