

### Important Dates

Last Date of receiving Application: **22<sup>nd</sup> November, 2019**

Date of Intimation regarding Selection: **25<sup>th</sup> November, 2019**

### Registration Fee

- 1 Nil : Govt. & Govt. Self- Financing College faculty
- 2 Rs 500/- : Self-Financing College faculty
- 3 Rs 200/- : PG students.

### How to Apply

Duly filled registration form, endorsed by the head of the dept, should be brought to the programme coordinator on the programme day.

### Address for Communication

Dr. Helen Mary M. C.  
Assistant Professor, ECE Department  
Government Engineering College Kottayam.  
Velloor (P.O.), Pampady - 686 501  
Mob: 9446219621 email: [helenmarymc@rit.ac.in](mailto:helenmarymc@rit.ac.in)  
Website : <http://www.rit.ac.in>

### About the College

Government Engineering College Kottayam (RIT), has become one of the leading technical institutes in Kerala, is located at Pampady, Kottayam. The college is affiliated to APJ Abdul Kalam Technological University and approved by the All India Council for Technical Education (AICTE). The college runs under-graduate programs in Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering, Mechanical Engineering and B. arch. The campus provides all the facilities to the students to excel in their respective field of interests.

### About the Department

Department of Electronics & Communication Engineering offers UG programme in Electronics & Communication Engineering and PG programme in two specializations such as Advanced Communication and Information Systems and Advanced Electronics and Communication.

### Objectives of the FDP

The programme aims to impart engineering faculty with a working knowledge of the software tools of machine learning. With the acquired skills they will be able to spread the use of machine learning among the students for innovative application development and research.

### Resource Person

The FDP will be handled by machine learning experts from Data Science Academy (An Initiative of Curvelogics) with years of experience in the practical application of machine learning.

### Program Schedule

Date and Time	Session I 9.30 a.m. - 12.30 p.m ( 3 Hours inclusive of 10 Minutes Tea Break)	Lunch Break	Session II 1.30 p.m. - 4.30 p.m ( 3 Hours inclusive of 10 Minutes Tea Break)
3.12.2019	Introduction to Machine Learning		Supervised Learning
4.12.2019	Unsupervised Learning		Deep Learning
5.12.2019	Convolutional Neural Network (CNN)		Recurrent Neural Networks (RNN)

## Faculty Development Programme

on

## Machine Learning for Engineers

**3, 4 & 5<sup>th</sup> December 2019**

Sponsored by

TEQIP Phase II



Organized by

Department of Electronics & Communication  
Engineering

**Rajiv Gandhi Institute of Technology  
Government Engineering College,  
Kottayam  
Pampady – 686 501  
Kerala, India.**

### About TEQIP

Technical Education Quality Improvement Programme (TEQIP) was envisaged as a long-term programme of about 10-12 years duration to be implemented in 2-3 phases for transformation of the Technical Education System with the World Bank assistance. TEQIP aims to improve the quality of Technical Education by providing inputs like modernization of laboratories/workshops, library, faculty development, networking between institutions, curricula development, research and improve interaction with Industries etc., to become dynamic, demand driven, quality conscious, responsive to rapid economic and technological developments occurring both at national and international levels.

The broad objectives of the program are to create an environment in which engineering institutions selected under the program can achieve their own set targets for excellence and sustain the same with autonomy and accountability. Support development plans including synergistic networking, services to community, economy for achieving higher standards, and improvement in efficiency & effectiveness of the technical education are the implied objectives of the program. The project has following added benefits:

Strengthening Institutions to produce high quality engineers for better employability, scaling-up postgraduate education and demand-driven Research & Development, establishing Centers of Excellence for focused applicable research, training of faculty for effective teaching, and enhancing Institutional System Management effectiveness.

### About Machine Learning

- Machine Learning is the scientific study of algorithms and statistical models that computer system use to perform a specific task without using explicit instructions, rather relying on patterns and inference.
- It is seen as a subset of artificial intelligence.
- Machine Learning algorithms build a mathematical model based on sample data, known as “training data”, in order to make predictions or decisions without being explicitly programmed to perform the task.
- Machine Learning algorithms are used in a wide variety of applications, such as email filtering and computer vision, where it is difficult or infeasible to develop a conventional algorithm for effective performance of the task.

### Co –ordinators

Michael George	Dr. Helen Mary M.C
Assistant Professor	Assistant Professor
ECE Dept., RIT	ECE Dept., RIT
Kottayam	Kottayam

### Convener

Riyas K.S  
Associate Professor,  
ECE Dept., RIT  
Kottayam

### Three – Day Faculty Development Programme

on

## Machine Learning for Engineers

3, 4 & 5<sup>th</sup> December, 2019

Sponsored by  
TEQIP Phase II

### REGISTRATION FORM

Name :  
Sex : Male / Female  
Designation :  
Department :  
Contact Address :  
Mobile No. :  
Email :

Date: Signature of the Applicant

Prof./Dr./Ms./Mr.....  
.....  
..... (Name,  
Class/Designation and dept.) is hereby granted the  
permission to attend - the FDP on **Machine Learning for  
Engineers**, sponsored by TEQIP, conducted at  
Government Engineering College, Kottayam on 3, 4, & 5  
December 2019. If selected, s/he will be permitted to  
attend the program.

Seal

Signature of Authority