



DTE Sponsored Additional Skill Development Programme on

Embedded System Design

1st February to 1st March, 2024

&

14th February to 14th March, 2024



Organized by

**Department of Electrical Engineering
Rajiv Gandhi Institute of Technology
Government Engineering College, Kottayam
Velloor PO, Pampady, Kottayam – 686501**

www.rit.ac.in

About the Institution

Rajiv Gandhi Institute of Technology, Kottayam, a technical institution under the Government of Kerala, started functioning in the year 1991. The Government started this institution with the view of making it a centre of excellence for post-graduation and research studies. Over the years, the institution has emerged as one of the premier institutes for technical education in the state with good infrastructure and a team of dedicated faculty. Over the years, the institution has emerged as one of the premier institutes for technical education in the state with good infrastructure and a team of dedicated faculty.

The Institute currently offers 7 undergraduate and 9 post graduate programmes, Ph. D and MCA programmes. The institution is an approved research centre under Quality Improvement Programme (QIP) and AICTE Doctoral Fellowship programmes (ADF). All the programmes are affiliated to APJ Abdul Kalam Technological University, Kerala (KTU).

About the Department

The department currently offers a B. Tech programme in Electrical and Electronics Engineering and two M. Tech programmes, 1. Industrial Drives and Control 2. Power Systems and Renewable Energy. Department is also a recognized research centre for doctoral programmes under QIP and ADF.

Vision

To be a centre of technological excellence in Electrical and Electronics Engineering for the betterment of society.

Mission

- To bestow high quality education through excellence in its faculty and facilities.
- To transform young minds into competent and full-fledged professionals.
- To nurture ethical values and invoke a passion to serve the society.

Additional Skill Development Programme (ASDP)

ASDP is a plan scheme implemented by Directorate of technical Education with the aim to organize various short term skill development courses for the unemployed and financially backward youth belonging to all communities.

Course Content

Introduction to embedded systems: Digital world- Binary number system and logic gates. Microprocessors and Microcontrollers- Arduino board and its programming. Hands on sessions for Arduino based power device control Programming and interfacing. Introduction to Python programming with hands on sessions. Micro python programming for embedded system development- Hands on sessions with ESP 32 microcontroller boards. Introduction to Raspberry Pi computers and peripheral device interface to Raspberry Pi.

Eligibility

Diploma/ B. Tech in Electrical, Electronics, Computer engineering and allied branches.

Duration of the Workshop

Batch -1: 1st February to 1st March, 2024

Batch -2: 14th February to 14th March, 2024

Class Timing

Monday -Friday: 4.30 PM to 7.30 PM

Saturday: 9.00 AM to 4.00 PM

Registration fees

Course Fee: **Nil**

Course materials, books and stipend of Rs. 1500/- will be provided after successful completion of the course.

Capacity/ intake: 20 participants/batch.

Certificate

Minimum 90% attendance is essential for passing the course. Examinations will be conducted at the end of each week. After successful completion of the course, a competency - based certificate will be awarded indicating the performance of the candidate.

How to apply?

Applications will be received only through online submission. To apply [Click here.](#)

Important Dates

Last Date of Registration: 24th January, 2024

Selection Intimation: 29th January, 2024

Basis for Selection

Academic performance and financial background.

Resource Persons

Faculty and experts in the field of embedded system design from government organisations, public and private enterprises will handle the sessions. Majority of the sessions will be managed by faculty members from Rajiv Gandhi Institute of Technology, Kottayam.

Co-ordinators

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