Rajiv Gandhi Proudyogiki Vishwavidyalaya Bhopal

Accredited with 'A' grade by NAAC

Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV), is an accredited with 'A' grade by NAAC, established in the year 1998. RGPV is truly a picture of modernization. Campus of about 247 acres, is marching towards development into a center of excellence in the arena of Technical Education, Research and Innovations. Under its umbrella there are 05 UTD's 200 affiliated Engineering Colleges, 98 Pharmacy Colleges, 95 MCA Colleges and 04 Architecture colleges imparting Graduate level instructions running around 17 under graduate level courses, 85 Polytechnic institutions offering diploma courses. Situated amidst an aesthetic and hilly surrounding, the University is also offering Ph Ds.

RGPV has been selected by Ministry of Human Resource Development (MHRD) as one of the Affiliating Technical Universities (ATUs) among ten across the country for receiving TEQIP-III grant. The main objective is to improve quality and equity in engineering institutes. In this regards RGPV is organizing Short Term Training Programme (STTP) for teachers/ Students in order to up-grade the knowledge, enhancing research and teaching skills.

CHIEF PATRON

Hon'ble Prof. Sunil Kumar
Vice-Chancellor, RGPV, Bhopal
Hon'ble Dr. K. L. Thakral
Founder Chairman & Chancellor, OGI
Oriental University, Indore

PATRONS

Shri Praveen Thakral
Chairman, OGI, Bhopal

ADVISORS COMMITTEE

Prof. S.C. Choube, Coordinator, TEQIP –III, RGPV, Bhopal
Prof. A K Sahani, CEO, OGI
Dr. A K Tiwari, Director, OIST, Bhopal
Dr. Shailendra Jain, Director, SLIET, Longowal, Punjab India
Dr. Sushma Gupta, Associate Prof. MANIT, Bhopal
Dr. Dr. V Rajagopal , Professor & HOD, EEE Dept. Stanley College of Engineering and Technology for Women Abids, Hyderabad, Telangana

COORDINATORS

Dr. Monika Jain
Prof. Gaurav Katare

ORGANIZING COMMITTEE

Prof. Priyank Srivastava
Prof. Priyavand Bundela
Prof. Pragati Priya
Prof. Nitin Tyagi
Prof. Priyanka Mishra

ADDRESS FOR CORRESPONDENCE

Dr. Monika Jain
monikajain@oriental.ac.in
Mobile: 9993608935
Prof. Gaurav Katre
gaurav_099@yahoo.co.in

Accredited with 'A' grade by NAAC

Three Days
SHORT TERM TRANING PROGRAME

Arduino Programming with MATLAB/Simulink Interfacing

14 -16 FEB 2019

Organised by

Rajiv Gandhi Proudyogiki Vishwavidyalaya

Under

TEQIP-III

at

Department of
Electrical & Electronics Engineering

Oriental Institute of Science & Technology, Bhopal
Thakral Nagar, Raisen Road,Bhopal – 462021
Phone:: 2752055 to 59, Fax: 0755-2729472
E-mail: oistbpl@oriental.ac.in, oistbpl_bpl@yahoo.co.in,
website: www.oistbpl.com

Course Objective

The program will initially cover the concept of Arduino Programming with MATLAB/Simulink Interfacing. The program intends to enhance researcher's thoughts and act as an arch to provide an easy way to develop algorithms that run standalone on Arduino. Arduino is an open-source electronics platform based on easy-to-use hardware and software. The Arduino Uno board is a microcontroller based on the ATmega328. Arduino support MATLAB /Simulink that can write MATLAB programs in it. MATLAB is a high level interpreted language, programming which is easier than with C/C++ and other compiled languages, and results are obtained from I/O instructions immediately with no compiling delay. Benefits of using MATLAB for Arduino programming: 1) Read and write sensor data interactively without waiting for your code to compile 2) Analyze sense data using thousands of pre-built functions for signal processing, machine learning, mathematical modeling, and more 3) Quickly visualize data using MATLAB's vast array of plot types. The strategy in the STTP is such that it will synchronize theoretical knowledge with practical aspects of Arduino interfacing MATLAB/Simulink through experts and tutorial sessions. This STTP will covers:

- Introduction to Arduino
- Simulation modeling & Arduino interfaces with MATLAB GUIs.
- Arduino in robotics
- Relevant simulation modeling instructions

Dept. of Electrical & Electronics Engg, OIST, Bhopal

Oriental Institute of Science & Technology (OIST) Bhopal, a pioneer institute of the oriental group science 1995, is a self financed premier educational institution imparting quality technical education in seven branches of engineering and five PG programs. OIST is about 9 Km from Bhopal railway station and is about 20 Km from international air port. Department offers 4 year B.E. programme in Electrical & Electronics Engineering with an intake of 120 students and 2 year M.Tech. Programme in Power Systems with an intake of 18 students (Started in 2009). It has well qualified, committed and motivated faculty members having specialization in various streams. The core competency of the Department is in the area of Power Quality, Energy Systems, Power Controllers & Drives. The department has successfully completed a MODROBS project funded by AICTE to establish an Advanced Electric Drives Laboratory.

Registration & Accommodation

(

- ➢ Registration is free for this program.
- ➢ Lodging and boarding of all selected participants will be in OIST guest house.

Registration Form

Three Days

SHORT TERM TRANING PROGRAME

on

Arduino Programming with MATLAB/Simulink Interfacing
12 -14 FEB 2019

1. Name:…………………………………………..

2. Branch:…………………………….………

3. Institute Name: ……………………………………

4. Phone No. …………………………………..

5. Email id ……………………………………..

6. Accommodation required (Y/N):………………

Signature of Applicant with date

Signature

Sponsoring Authority