A Training Program

on

Electrohydraulic System Simulation and Analysis

on April 25 and 26, 2018

under

Research & Development Plan of World Bank assisted

TEQIP –III Program of Government of India

Organized by

Mechanical Engineering Department

Jadavpur University, Kolkata 700032

Overview of the Course

Electrohydraulic systems have now become quite common, for instances in high-power excavation, mining, machining, manufacturing, automobile and aerospace applications. In order to fulfill precise and complex motion demands, say in serial and parallel robotic manipulators, integration of electronic controllers become necessary. Modern industrial practices demand that mechanical and automobile engineering students should have good exposure on this subject right from undergraduate level. It is needless to say that a software package capable of integrating the basic building blocks and activating these with back up mathematical formulation so as to carry out simulation runs for pre-realization design analysis is of immense benefit for the students and researchers. In this perspective, Automation Studio is a versatile software package that can be integrated with a theoretical course opening up a scope of learning the subject in blended mode. With a view to equip the faculty members to the use of this package, a two-day course will be offered at Mechanical Engineering Department of Jadavpur University on April 25 and 26, 2018. The department has a long-term association to many collaborative projects of national importance pertaining to the design of hydraulic and electrohydraulic pumps, valves and actuators. The two-day programme with primary focus on hands-on learning of the software package and a short overview of their application and facilities available in the department will help the participants to acquire the skill and confidence of attending the teaching and research needs of the students and scholars. Besides the hands-on training, overview of mechatronic systems, elementary control and some real-life systems will also be provided during the program spanning over two days.

Resource Persons providing Hands-on Training

1. Mr. Pravin Bell, Chief Technology Officer, IndiaSoft Technologies (P) Ltd. Pune
   To provide hands-on training on the software package

Resource Persons providing theoretical and laboratory-level connectivity

1. Prof. Dipankar Sanyal, Mechanical Engineering Department, Jadavpur University
2. Prof. Saikat Mookherjee, Mechanical Engineering Department, Jadavpur University
3. Prof. Rana Saha, Mechanical Engineering Department, Jadavpur University

Registration Fees: Nil

Registration Form

1. Full Name

2. Mobile Number

3. Email

4. Designation

5. Institute

6. Mailing Address

Signature of Applicant (with seal)   Forwarding Signature of Head Institute/Department (with seal)

* Only faculty members are eligible to attend the training program.

Applicants may contact Prof. Dipankar Sanyal at dipans26@gmail.com for any clarification. The maximum number of participants will be restricted to 20. The program will be conducted from 10am to 5pm on both days.