

A report on "Two Week ISTE Workshop on Control Systems"

Duration (2nd December to 12th December 2014)

Two Week ISTE workshop on Control systems was inaugurated on 2nd December 2014 at Poornima College of Engineering, Jaipur. In the inaugural function Dr. Om Prakash Sharma, Director, PCE; Mr. Shivraj Sharma HOD, and workshop Coordinator along with Faculties of various Engineering colleges were present.

While addressing the faculties Dr. **Om Prakash Sharma** informed that during **two week from 2nd December to 12th December 2014**, the course content of the workshop will provide training to participants on teaching pedagogy to make **extensive use of Technology**, and will cover teaching of the following topics of subject control systems:

Module 1: Basic Concepts: Introduction and significance of control system; closed and open loop control; Servo and supervisory control; Multi-level (Level (0-3)) etc.

Module 2: Models and response: Brief review of time and frequency domain I/O models for LTI SISO systems. Polezero, degree, order, type. Response computation using discretization of I/O models etc.

Module 3: System Analysis: concept of stability, equilibrium points, types of stability (local/global, asymptotic/uniform/exponential) with examples etc.

Module 4: Control Design: Performance specification, steady state, transient, frequency domain, stability margins, sensitivity and complementary sensitivity. etc.

In the Inaugural session brief over view of the subject / contents was elaborated and discussed among all participants by Dr. Om Prakash Sharma. He added that workshop is aimed at enhancing the teaching skills of faculty and colleagues in core subject Control Systems of Engineering. The lecture transmission and live interaction takes place through distance mode using the AVIEW technology on the Internet to various coordinating remote centers across the country. **Poornima College of Engineering, Jaipur has been operating as remote centre for IIT MHRD Mission since May, 2012 and organizing various activities as directed by IIT BOMBAY.**

The two week program will be live transmitted from **IIT Kharagpur**. The faculties involved in the teaching are **Prof. Siddhartha Mukhopadhyay, Department of Electrical Engineering, IIT Kharagpur, Prof. Tapan kumar Ghoshal, Department of Electrical Engineering, Jadavpur University, Kolkata.**

Approx. fifty (50) Faculty members from various Engineering Colleges of Rajasthan have registered themselves as participants. Mrs. Shital R Shegokar proposed a **vote of thanks** to all present.



