



# INDIAN INSTITUTE OF TECHNOLOGY (IIT) BOMBAY



CONTINUING EDUCATION &  
QUALITY IMPROVEMENT PROGRAMME (CE&QIP)

## *Certificate*

**This is to certify that**

*Sachin Rajaram Vankar*

has participated in the CEP course on

## **Advances in Control Systems**

conducted for Sardar Patel College Of Engineering, Mumbai, Under TEQIP - II  
by IIT Bombay at Mumbai during December 19 - 23, 2013

**Prof. A. K. Suresh**  
Dean (Faculty)

**Prof. B. Bandyopadhyay**  
Professor-In-Charge (CE & QIP) &  
Course Coordinator



## **Course Contents**

- **Modeling of physical system**
- **Modeling and control of nuclear reactor**
- **Robust control against parametric uncertainty**
- **Kharitonov polynomial approach for robust state feedback design**
- **Pole placement design method for state feedback and output feedback**
- **Variable structure and discrete time sliding mode control**
- **Application of Sliding mode control to power system stabiliser**
- **Practical Applications of Sliding Mode Control**