



**Knowledge Network of  
Indian Institute of Technology Gandhinagar  
Under TEQIP-II Initiative**

**Summer School on Control Systems**

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The summer school on Control System comprises of approximately 40 hours of instruction and 30 hours of hands-on sessions in problem solving and lab experiments. This course provides a basic understanding of modelling, analysis and design of closed loop control systems.

This summer school provides an opportunity for the faculty members and students to revisit the important fundamental concepts. Participation in this summer school is invited through registration.

Topics to be discussed:

Modeling of physical systems; System reduction tools; Open and Closed loop systems performance and stability analysis; Performance analysis and controller design using Root locus techniques, Frequency domain and State space methods.

Note: Usually theory would be delivered in the forenoon sessions. Suitable demonstration, simulation and tutorial sessions would be in the afternoon sessions.

Presenters: Instructors:

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1. Prof. S. Rajendran
  2. Dr. Ragavan K
  3. Dr. P M Harish
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