



GOVERNMENT ENGINEERING COLLEGE
SECTOR 28, GANDHINAGAR



**WORKSHOP ON
FUNDAMENTALS OF CONTROL SYSTEM**

(CONDUCTED ON 13-08-24)

**ORGANIZED BY
INSTRUMENTATION & CONTROL DEPARTMENT**

Patron : Dr. Sweta P. Dave (Principal, GEC, Gandhinagar)

Convener : Dr. N. K. Arora (HOD-IC)

Co-ordinator: Prof. Manish R. Jani (Associate Professor, IC Department)

Faculty Co-ordinators:

Dr. Kalpesh B. Pathak (Assistant Professor, IC Department)

Prof. M. B. Hingu (Assistant Professor, IC Department)

Workshop :

Date: 13-08-24

Time: 10:30 AM onwards

Registration Link & QR Code:

<https://forms.gle/d1k8Qicb5JsFEeEq7>



Session Experts:

Prof. Manish R. Jani (Associate Professor, IC Dept)

Prof. Mukesh B. Hingu (Assistant Professor, IC Dept)

Dr. Kalpesh B. Pathak (Assistant Professor, IC Dept)

Prelude

For instrumentation and Control and allied branches, control system is very much important topic. Basics of control system, various techniques and design of control system are of prime importance. To bridge the gap between basics of control theory, system design and advance control theory, concepts of control system design are important.

Fundamentals of Control system workshops covered basics of control system, modern tools, modern control theory using state-space analysis and compensation in both time and frequency domain. Hands-on sessions were planned for case studies with industrial applications. Tools used for hands-on practice are MATLAB, SCILAB and online available open source softwares..

During registration, students gave overwhelming response with huge number of registration. Workshop was conducted for students of RA, EE and BM branch.

Number of total participants: 68 (Workshop on 13-08-24)

Flyer:



GOVERNMENT ENGINEERING COLLEGE, GANDHINAGAR

INSTRUMENTATION & CONTROL DEPARTMENT

75
Azadi Ka
Amrit Mahotsav

A WORKSHOP ON
FUNDAMENTALS OF CONTROL SYSTEM

Venue
Block 2, IC Department

Date & Time
13th August, 2024, 10:30 AM onwards

Registration QR Code



Dr. K. B. Pathak (IC Department)
Prof. M. B. Hingu (IC Department)
Faculty Coordinators

Prof. M.R. Jani
Coordinator

Beneficial to Students
of
IC, EC, BM & RA



Dr. N.K. Arora
HOD-IC
GEC, Gandhinagar



Dr. S.P. Dave
Principal
GEC, Gandhinagar

Seats are limited therefore it will be on 'First Come First Serve' basis

Photographs



Workshop on Fundamentals of Control System (13-08-24)

Outcome of the Event

1. Students learned about fundamental concepts of control.
2. Students learned application of system dynamics in industrial applications
3. Students learned how to apply fundamentals of control system and system design in various applications and processes.
4. Topics covered to bridge the gap between basic control theory, system design and advance control theory.
5. Hands on session gave more confidence to solve control system design problem and more clarity about all the topics.