

TEQIP II sponsored FDP on
On
**APPLICATIONS OF CONTROL THEORY
IN ELECTRICAL AND MECHANICAL SYSTEMS
(ACEMS-2017)**

14-02-2017 to 18-02-2017

Registration Form

Name :
Gender(M/F) :
Designation :
Qualification :
Specialisation :
Official Address :

Telephone :
Mobile :
Email :
Food Preference : Veg/Non-Veg

Date: Signature of Applicant

Sponsorship Certificate

Certified that the institute has no objection in
sponsoring Sri / Smt

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(Name and Designation) for the FDP on 'APPLICATIONS
OF CONTROL THEORY IN ELECTRICAL AND MECHANICAL
SYSTEMS (ACEMS 2017)' during 14-02-2017 to 18-
02-2017 at Govt. College of Engineering Kannur. If
selected, he/she will be permitted to attend the course
fully.

Place: Signature of the
Date: Head of Institution

Office Seal

Chairman
Dr. T D John, Principal

Vice Chairman
Dr. Shahin M, HOD, EEE

REGISTRATION

*Registration can be done either online at
<http://gcek.ac.in/fdpeee> or by sending a
scanned copy of the application form to
fdpeee@gcek.ac.in*

A hard copy of the duly filled application form
signed by the sponsoring authority should be
produced during the registration on the first
day of the program

IMPORTANT DATES

Last date for receipt of applications:
February 11, 2017

Intimation to selected participants:
February 11, 2017

Contact us at:
Dept. of Electrical & Electronics Engg.,
Govt. College of Engineering,
Parassinikadavu P.O,
Kannur-670 563

Mob: 9495070478,
9497349095
Email: fdpeee@gcek.ac.in

Faculty Development Programme

On

**APPLICATIONS OF CONTROL THEORY
IN
ELECTRICAL AND MECHANICAL SYSTEMS
(ACEMS - 2017)**

14-02-2017 to 18-02-2017

Sponsored by
TEQIP II

COORDINATORS

Dr. Vinita Chellappan (Dept. of EEE)
Dr. Baburaj P (Dept. of EEE)



Organised
By

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGG.,
GOVERNMENT COLLEGE OF ENGINEERING KANNUR**

About the institute and Department

The institute is functioning in a large 75-acre unified academic complex, having sound and self-sufficient infrastructure, at Mangattuparamba, 15 km from the headquarters of Kannur district. The ***Department of Electrical and Electronics Engineering*** started its functioning along with the establishment of the college in the year 1986. The department has been established with the firm commitment of developing and producing quality Electrical and Electronic Engineers with high-technical knowledge and good practical basis, combined with leadership skills and decision making capabilities. The department offers an undergraduate B.Tech Programme in Electrical & Electronics Engineering, post graduate M.Tech Course in Power Electronics and Drives and also doctoral programmes under the APJ Abdul Kalam Kerala Technological University.

Vision

A centre of quality education in Electrical Engineering & enrich the youth with sound technical knowledge to intellectually power tomorrow's world in the service of humanity.

Mission

To elevate the infrastructural facilities and impart latest technical knowledge and competency to the students, enabling them to take up a successful career in industry, research and academia or as an entrepreneur, thus contributing to the overall development of the society.

About the Course

The course focuses to equip the participants in different areas of control applications such as Robotics, Aerospace, Power Electronic systems etc. The course also aims in enhancing the knowledge of independent researchers in academic institutions and other R&D organizations.

Resource persons

- Prof. Radhakrishnan Kammath,
Retd. Joint Director, DTE, Kerala
- Prof. Abraham T Mathew,
EED, NIT Calicut
- Dr. U. P. Rajeev,
Head, Guidance Design Division, VSSC
- Mr. Rejin N.S.,
*CEO, Ingen Robotics,
Thiruvananthapuram*
- Dr. Vishwesh Vyavahare,
*Head, EEED, Ramrao Adik Institute of
Technology, Mumbai*
- Dr. Dhanasree,
*Sc. Officer, Nuclear Power Corporation
of India, Mumbai*

Course contents

- ◆ Signals and Transforms
- ◆ Overview of Robust Control
- ◆ Robotics and Control
- ◆ Optimal Control for Aerospace Applications
- ◆ Fractional order systems and control
- ◆ Controllers for Power Electronic Systems

Expected Outcomes

After successful completion of the course every participant is expected to achieve the following outcomes

- ✓ Understand the fundamental characteristics of signals and transforms
- ✓ Identify the recent advances and applications of robust control design
- ✓ Understand the theoretical and implementational challenges in building robots
- ✓ Obtain an overview of control design techniques from optimal control theory with emphasis on aerospace applications
- ✓ Basic understanding of derivatives or integrals of fractional order and get hands on experience for fractional order control using MATLAB
- ✓ Understand the design of controllers for applications in power electronics using MATLAB

Who Can Apply

Faculty members of Govt./ Aided/ Self Financing Colleges in all branches and Scientists/ Resarchers from R&D organisations. Research scholars of various institutions are also eligible.

Registration Fee

There is no registration fee for the course

Boarding & Lodging

A wide range of lodging facilities are available outside the campus. Lodging can be booked outside the campus on payable basis.