

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the course for the entire duration. I also undertake the responsibility to inform the co-coordinators sufficiently in advance, in case I am unable to attend the course.

Place:

Date: Signature of the applicant

SPONSORSHIP CERTIFICATE

Certified that Mr./ Ms./ Dr.

.....
is an employee of this institution and is hereby sponsored for the FDP **School on Systems and Control (SSC-2016)** at **National Institute of Technology Calicut** during the period of 29th June – 6th July 2016. He/she will be permitted to attend the course, if selected.

Place: Name & Signature

Date: of the Sponsoring Authority
(seal of the institution)

Address for Correspondence:

Dr. Mija S. J, Asst. Professor
Coordinator, SSC - 2016
Electrical Engineering Department,
National Institute of Technology Calicut,
NIT Campus P. O., Calicut- 673601, Kerala, India
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About the Department:

Electrical Engineering Department offers one B.Tech degree programme in Electrical & Electronics Engineering, and five regular M.Tech programmes, viz., Instrumentation & Control Systems, Power Systems, Power Electronics, Industrial Power & Automation and High Voltage Engineering. The research programme leading to Ph.D degree covers a variety of topics in electrical science, technology and engineering., systems and control, economics of power and energy systems, industrial automation, high voltage engineering, etc.

About the Institute:

National Institute of Technology Calicut (NITC), is fully centrally funded by MHRD and is governed by the NIT Act 2007. Institute has ten departments, three schools and nine research centers. It offers ten UG, and thirty PG programmes along with the Ph.D programme in various fields of Science, Technology and Engineering. Faculties in the various Departments have active collaborations with universities and elite institutions within and outside India for research and have active consultancy for industries.

Calicut City:

Calicut, also known as Kozhikode, is a blooming city in the region of Malabar, lying in the northern part of Kerala. This region is a major knowledge hub of Kerala and it proudly hosts many institutions of national eminence like NITC, IIMK, NIELIT, CWRDM, Kerala School of Mathematics, IISR etc. Calicut is well connected by rail/road/air to major cities in India. Apart from the serene beaches on the west and the high ranges of the Western Ghats on the east, there are many landmark places that attract attention of the tourists. NITC is 22km off the city limits towards east. For details see our website: www.nitc.ac.in

MHRD and TEQIP Sponsored Faculty Development Programme



29th June – 6th July, 2016

Coordinators

Dr. Mija S. J.

Dr. Abraham T. Mathew

Organized by



**Electrical Engineering Department
National Institute of Technology Calicut
NIT Campus P.O., Kozhikode – 673601**

Preamble:

Control Theory is important, both from the operations as well as from the economics point of view. Advancements in control and instrumentation are driven by the new developments in the mathematical approaches as well as the technological developments. Many challenges in real life like precise control of industrial production processes or control of single mission and reusable aerospace vehicles are dealt with control techniques. We can also find innumerable other applications in the day-to-day life as well. Thus, it is a topic of potential application and is continuously evolving. Skill of control design and the knowledge of the foundations of systems design are transferrable to other areas like power conversion, signal processing, communications and so on.

The proposed one-week school on Systems and Control will provide an avenue for the academia and professionals to interact with each other and to get their basic knowledge reinforced with the introduction to the advanced topics of control engineering and technology. Topics in analog and digital control will be handled by experts who have long experience in the field. This will help the participants to get familiarized with a variety of control system design challenges and thereby strengthen their academic and research activities.

Major Topics:

- System Modeling & Identification
- Robust Control
- Adaptive Control
- MIMO Systems and Control
- Non-linear Systems and Control
- Fractional Order Systems and Control
- Intelligent Control
- Multi-agent systems
- Guidance and control

Resource persons:

Sessions will be handled by Faculty experts from IITs/IISc/NITs and experts from R&D/Industry.

Eligibility:

Course is open to faculty from NITs, AICTE approved Engineering Colleges/Institutions and working professionals from Industries/R&D with basic degree in relevant field of Electrical Engineering. Limited number of seats will be given free of charge to selected faculty of AICTE Recognized engineering colleges, to promote them in teaching and research.

Registration:

TEQIP funded institutions:	Rs. 10,000/-
Industry/R&D:	Rs. 15,000/-
Selected faculty from AICTE Recognized Engineering Colleges & participants from NIT Calicut:	NIL

For provisional registration, send the duly filled up registration form as per the format to the Coordinator so as to reach on or before **15th JUNE 2016**. **Number of participants will be restricted to thirty five. Early intimation on participation through e-mail is highly appreciated.** Fees shall be payable when the selection is intimated. DD shall be drawn in favor of "Director, NIT Calicut" payable at SBI NIT Calicut (Code: 2207). Registration Form can be downloaded from NITC website.

Accommodation:

Lodging and Boarding will be provided with moderate facilities in the NITC campus for all selected participants. Hotel accommodation shall be arranged on a chargeable basis, if needed.

Travel Expenses:

Payment of TA/DA from NITC will not be admissible for participants.

MHRD-TEQIP-II
Faculty Development Programme
School on Systems and Control
SSC - 2016
29th June – 6th July, 2016
REGISTRATION FORM

1. Name:
2. Date of birth: Gender(M/F): ...
3. Designation:
4. Department:
5. Institution:
6. Address for communication:
.....
.....
PinPhone No:
Mobile:
e-mail:
7. Highest Qualification:
8. Specialization:
9. Experience (Number of years):
Teaching: Industry:
10. Whether accommodation needed (Yes/No).....
11. DD No: and date: