

## REGISTRATION DETAILS

There is no registration fee. Interested candidates can register (on or before 04-12-2021) using the link:

<https://atalacademy.aicte-india.org/signup>

## SELECTION

The seats are limited to 100 candidates on a first come first serve bases. The intimation regarding selection will be send to the candidate by email.

## IMPORTANT DATES

Last date for online registration:  
**04th December, 2021** (Saturday)

Intimation of selection by e-mail:  
**6th December, 2021** (Monday)

Course Duration:  
**13th - 17th December, 2021**  
(Monday to Friday)

## CERTIFICATE

The certificates shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test conducted at the end of the online FDP.

## ELIGIBILITY

Faculty from AICTE approved Engineering Colleges in the disciplines of Electrical Engg, Electronics & Communication Engg, Applied Electronics, Mechanical Engg and Chemical Engg. are eligible to apply for the course.

## ABOUT GEC TRISSUR

The Government Engineering College, Thrissur, one of the premier technical institutions in the country, had its modest beginning in the year 1957. At present, the college has a strength of more than 3000 students and 500 staffs including 225 faculty members. The institute is accredited by NBA and is certified by ISO.

## ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering has been in existence since the beginning of this institution. The objective of the Department is to impart quality education in various areas of Electrical and Electronics Engineering. This department offers M.Tech courses in Power Systems and Power Electronics with an intake of 18 students in each discipline. Our department is an approved QIP centre for Ph.D. for teachers. The department has been accredited by NBA-AICTE.

## ABOUT ATAL ACADEMY

AICTE Training and Learning (ATAL) Academy is established with the vision "To empower faculty to achieve goals of higher education such as access, equity and quality". AICTE is committed for development of quality technical education in the country by initiating various schemes launched by Govt. of India, Ministry of Education. Learning through training is required for increasing the knowledge and skills of students to make them more employable to acquire global competencies.



## AICTE Training and Learning (ATAL) Academy

*sponsored*

## Five days Online Faculty Development Program

on

## Nonlinear Systems: Dynamics and Control

**13th - 17th December, 2021**

Organised by:

Department of Electrical Engineering,  
Govt. Engineering College,  
Thrissur- 680009

## ABOUT THE COURSE

In-service training of teachers is essential for up-gradation of their knowledge and professional skills, which plays a vital role in the development of technical education society. The technical institutes can perform better if the faculty serving them updates and upgrades themselves with the latest technological developments.

The FDP titled “Nonlinear Systems: Dynamics and Control” is a very relevant topic of interest for faculties and research scholars working in the area of control systems. The training will also help faculty to guide interdisciplinary projects in both UG and PG levels. Familiarization with various control algorithms and its software simulation platform will help in the real-time implementation of systems.

## COURSE OBJECTIVES

- Give an insight to advanced topics in control systems
- Familiarize recent control algorithms and its applications.
- Acquire the basic concepts of Variable Structure Control and its applications
- Software simulation of various control algorithms.

## COURSE CONTENT

- Recent trends in control engineering
- Variable Structure Systems
- Fractional Order Systems
- Guidance and control of autonomous systems
- Multidimensional systems
- Event triggered SMC
- Simulation of control algorithms

## COURSE FACULTY

### List of speakers:

- **Dr. Manas Kumar Bera,**  
Dept. of Electronics and Instrumentation Engg.,  
NIT Silchar.
- **Dr. Soumya Ranjan Sahoo,**  
Dept. of Electrical Engineering, IIT Kanpur
- **Dr. Shyam Kamal,**  
Dept. of Electrical Engineering , IIT BHU,  
Varanashi
- **Dr. Sneha Gajbhiye,**  
Dept. Of Electrical Engg. IIT Palakkad.
- **Dr. Twinkle Tripathi,**  
Department of Electrical Engg, IIT Kanpur.
- **Dr. Rajan Babu,**  
Rtd Professor, NSS Palakkad.
- **Prof. Harish Pillai,**  
Dept of Electrical Engg, IIT Bombay.
- **Dr Abhishek Behara,**  
Department of Electrical Engg, IIT Roorkee.

## ADDRESS FOR COMMUNICATION

### COURSE COORDINATORS

**Dr. Uma Syamkumar,**  
Assistant Professor,  
Dept of Electrical Engg.,  
Govt. Engineering College, Thrissur- 680009  
Mobile : 9447328185

**Dr. Ramesh Kumar P.**  
Assistant Professor,  
Dept of Electrical Engg.,  
Govt. Engineering College, Thrissur- 680009  
Mobile : 9447884745

