

Program Outline

Day/Date	Session	Topic & Speaker
Day 1 11/01/2022 Tuesday	S1	Basic of Predictive Control Dr. Chinmay Rajhans, VJTI, Mumbai
	S2	Control of Electric Drives Dr. (Mrs.) Sadhana V. Jadhav, COE, Pune
	S3	Smart Grids Dr. K. B.Porate, PCE, Nagpur
Day 2 12/01/2022 Wednesday	S1	DCS in Power Plant Er. Naval Damle, CSTPS, Chandrapur
	S2	Introduction of IOT & Aurdino programming in sensor Technology Dr. S. G. Kadwane, YCCE, Nagpur
	S3	Lab session I Dr. U. E. Hiwase, PCE, Nagpur.
Day 3 13/01/2022 Thursday	S1	Grid Interface Dr. Madhuri Chaudhari, VNIT, Nagpur
	S2	Automation and Sensor Technology Dr. R. A. Keswani, PCE, Nagpur
	S3	Lab Session II Mrs. B.S.Dani, PCE, Nagpur.
Day 4 14/01/2022 Friday	S1	Stress Management Mr. Kumar Zilpelwar, Free Lancer motivational Speaker, Owner , Amey firetech Engineers, Nagpur
	S2	Intelligent ,Energy efficient wireless Sensor (Adhoc) Network Dr.Shubhangi Rathkantiwar, YCCE, Nagpur
	S3	Attack-Resilient motion planning using dynamic games Dr.Shounak Bopardikar, Michigan state University, USA
Day 5 15/01/2022 Saturday	S1	Temperature Sensing & Sensor for Temperature Regulated Battery Charging Dr. Ritesh Kesari, VNIT, Nagpur
	S2	Conventional Controller Dr.(Mrs) S. P. Muley, PCE, Nagpur
	S3	Feedback session/Valedictory Function

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Smt. Abha Chaturvedi, Secretary, LTJSS, Nagpur

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Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI COLLEGE OF ENGINEERING
NAGPUR (MAHARASHTRA)

AICTE Sponsored
One Week Faculty Development Program
(FDP - Online)

On
**Control Systems:
Sensors Technology**

11th to 15th January 2022

ORGANIZED BY
Department of Electrical Engineering
Priyadarshini College of Engineering
(NBA Accredited)

Priyadarshini Campus, Hingna Road Nagpur-440019
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Affiliated to RTM Nagpur University
NAAC Accredited with A+ grade
Platinum Category in AICTE-CII Survey



About Institute

Priyadarshini College of Engineering, Nagpur the Premier College of the LTJSS spread over a sprawling 72 acres, the campus is enriched with state of the art sports and recreational facilities. The Institute has a 32 years of Proven Track Record, endeavors to impart academic excellence through promoting technology, scientific thinking and Corporate Social Responsibility. Priyadarshini College of Engineering has been **awarded with A+ grade status with CGPA 3.31 by NAAC** for a term of 5 years up to 27.03.2024. **The institute has received accreditation for four of its programs**, namely Civil Engineering, Mechanical Engineering, Electrical Engineering and Electronics and Telecommunication Engineering up to 30/06/2024 by **National Board of Accreditation (NBA)**, New Delhi. The Institute runs **7 undergraduate programs, 4 Post Graduate programs and 3 Ph.D. Programs. Institute has a strong faculty pool with 50 Ph.D. awarded and 32 ongoing.** The Institute has also been conferred with **Grade A** by the Government of Maharashtra for Academic Excellence and is the recipient of **Platinum Rank Category in AICTE-CII survey in 2019.** The Institute has also **received World Education Award**, India's Education Excellence Award 2018, Berkshire Media USA; and **Outstanding Engineering Institute** for Research and Innovation held at 15th World Education Summit-2019.

Resource Persons

Resource persons will be from renowned institutions such as International Universities, IIT/NIT's, Industries and host institutions.

About ATAL FDP

Due to the rapid growth and advancement of the Electrical Systems, the applications are fast expanding in Industrial, commercial and utility environments. The utilization of Electrical Energy should be optimized and conserved by means of advanced control technique and technology. Sensor technology has opened vast opportunities for career growth in design implementation. So there is a need to produce highly skilled design engineers. The aim of this course is to upgrade the information about the recent trends & applications in Sensor Technology. This FDP also aims to share the experiences of professionals working in the domain of Sensor Technology which will help the research scholars and the faculty members to get the in depth knowledge in the field of control system.

FDP Objectives

- To recognize the role of Sensors in industry & industrial challenges.
- Development of trained resources in Control Technology.
- Interaction of the participants with the experts from academic institutes & industry.
- Insights about technological details of sensor technology.

About Electrical Engineering Department

The Department of Electrical Engineering (Electronics & Power) was established in 1995 with intake capacity of 60 students. The in-take capacity of the department has been increased to 120 from 2007. The UG course has been accredited by NBA till 30 June 2024 and has seen tremendous growth in all aspects. Department also runs PG course (M. Tech in Industrial Drives and Control) with intake of 18 students since 2006 and center for research since 2013. The Department has well equipped laboratories with modern and sophisticated equipment's and has sanctioned grant from AICTE under MODROB.

Major Contents

- Introduction to Sensor Technology and Industry Overview
- Sensor Technology in EV
- Digital control techniques for Smart grid
- Intelligent wireless Sensor Network
- Sensors as tool to enhanced Automation
- Hands-on practice using DSP controlled drives and MATLAB applications.

Expected Outcomes

- Interaction of the participants with the experts from academic institutes & industry.
- Development of laboratory exercises related to Sensors Technology.
- Manpower development in the area of Sensors Technology.
- Exposure to industry standard toolsets for Sensor Technology.

Registration Guidelines

- Faculty members of AICTE approved institutions, Research scholars, PG scholars, industry persons can participate in FDP
- Seats are limited and selection will be based on first come first serve basis.
- The certificates shall be issued to those participants who are registered on ATAL portal [www.aicte-india.org/atal](http://atalacademy.aicte-india.org) and attend the program with minimum 80% attendance and score minimum 60% marks in the test.
- **Registration Fees: Nil**
- All the participants are requested to register using following link
<http://atalacademy.aicte-india.org/login>

Mode of Conduction : Google meet platform

Contact Details

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