

Registration

The eligible participants are requested to register through the following registration link:

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

Last date for Registration : **15th January 2022**

No registration fees.

Intended Participants

Faculty members of the AICTE approved institutions, Industry Expert, Research and PG scholars.

Certificate

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

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”. ATAL academy is conducting a series of workshops in thrust areas identified by AICTE.

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Organizing Committee

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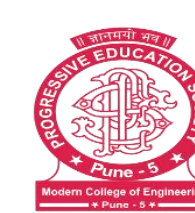
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Sarwade



**AICTE Training And Learning (ATAL)
Academy
Sponsored**

Five Days Online Faculty Development Program

on

**“Advanced Control and Sensor Technology
for Smart Grid with Renewable Energy
Integration”**

(17th to 21st January 2022)

Organized by

PES's, Modern College of Engineering,
Department of Electrical Engineering
NAAC Accreditation with 'A' Grade & NBA
Accreditation for 3 Years

Affiliated to Savitribai Phule Pune University (SPPU)



About the Institution

PES's Modern college of Engineering was established in June 1999 under the guidance & leadership of visionary Chairman Prof. Dr. G.R. Ekbote. The College is approved by AICTE, New Delhi, Directorate of Technical Education, and Government of Maharashtra & is affiliated to Savitribai Phule Pune University, compiling with all the norms & standards of Engineering Education. At present the college conducts five courses in Engineering viz. Mechanical, Electrical, Electronics & Telecommunication, Computer, and Information Technology. From academic year 2020-21 newly added courses are AI & Data Science, AI & Machine Learning & Electronics and Computer Engineering. The college has Post Graduate Engineering courses in Electrical, Mechanical, Computer, E&TC, MBA & MCA courses. The Research center has been established for Mechanical, E&TC, Electrical & MBA.

- Institute has been accredited by NAAC with "A Grade".
- Institute has been awarded as best college in urban area.
- Electrical, E&TC and MCA departments are accredited by NBA.
- AICTE CII Gold rank for consecutive 2 years.
- Institute has been ranked 26-50th all over India by Atal Ranking of Institutions on Innovation Achievements (ARIIA)

Vision of the Institute

- To create a collaborative academic environment to foster professional excellence and ethical values.

Mission of the Institute

- To develop outstanding professionals with high ethical standards capable of creating and managing global enterprises.
- To foster innovation and research by providing a stimulating learning environment.
- To ensure equitable development of students of all ability levels and backgrounds.
- To be responsive to changes in technology, socio-economic and environmental conditions.
- To foster and maintain mutually beneficial partnerships with alumni and industry.

About Department of Electrical Engineering

The department was established in 2002 & offers UG program with intake capacity 120, PG program in Control Systems & also PhD program. Department has been accredited by NBA for three years. Students has been graduated & working at esteemed organization in India and abroad. Department received Funding by AICTE & BCUD for FDP, MODROB & research projects. Department has professional society chapters like IEI,IET,ISLE, ISTE & Various Clubs.

Vision of Department

- To build technically competent Electrical Engineers with ethical and social responsibility.

Mission of Department

- To develop abilities in students for acquiring knowledge and skills to flourish in dynamic technical environment.
- To nurture cultured professionals by providing facilities for their overall development.
- To motivate the students for research work and activities beneficial to society.
- To enhance strong bonding with various organization and alumni.

About FDP

- This FDP is designed to address intelligent control techniques, sensor technology and control with big-data analytics in the field of smart grid and integration of renewable energy sources.
- The course will offer a unique platform to the scientists of R&D sectors, practicing engineers, academicians and research scholars working in the relevant areas through theoretical and practical sessions. This FDP is planned to provide a wide exposure on recent advancements in smart grid and renewable energy.

Contents of FDP

Following topics will be covered in smart grid and renewable energy integration:

- Wireless sensor networks for monitoring and control of smart grid.
- Power sharing and power management among various sources and storage devices.
- Digital control techniques for smart grids/Microgrid
- Power quality improvement techniques
- Advanced signal processing control and applications
- Cloud computing, Big data analytics
- Issue and challenges of smart grid in respect of cyber security
- Protection & control issues
- Machine learning applications for Microgrid systems

Invited Speakers

Faculty members from reputed institution like foreign universities, IITs, NITs, Govt. Colleges and Industry Experts will be delivering the sessions.

