ORGANIZING COMMITTEE

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Coordinator
Dr. D. ANGELINE VIJULA
Associate Professor/I&CE

Co-coordinator
Dr. S. NAVANEETHAN
Assistant Professor (Sl. Gr.) /I&CE

RESOURCE PERSONS

Experts from reputed Academic
Institutions and Industries

TARGET PARTICIPANTS

Faculty members and research scholars of
the AICTE approved Institutions,
Universities, participants from Government
organizations and Industries and
professionals from R&D laboratories.
Number of participants is limited to 50.
Selection will be based on first come first
serve basis.

Registration Details
• No Registration Fee
• Participants are requested to register
using the following link
  https://atalacademy.aicte.india.org/login
• For more information, kindly visit
  https://atalacademy.aicteindia.org/FAQs

For any queries contact
Dr. D. Angeline Vijula,
Associate Professor,
Department of Instrumentation and
Control Systems Engineering,
PSG College of Technology, Coimbatore.
Ph: 9443868655/9788474942
Email:dav.ice@psgtech.ac.in

AICTE Training and Learning (ATAL)
Sponsored
Faculty Development Programme on
Digital Transformation of
Industries: Challenges and Opportunities

November 20-25, 2023

Department of Instrumentation and
Control Systems Engineering
PSG College of Technology,
Coimbatore–641004
Phone: 0422-2572177, 2572477
Fax: 0422-2592277
www.psgtech.edu
AICTE – Teaching and Learning (ATAL) Academy

The main objectives of the ATAL Academy are

- To plan and help in imparting quality technical education in the country.
- To support technical institutions in fostering research, innovation and entrepreneurship through training in various emerging areas.
- To prepare faculty members ready with pedagogy-requisite teaching skills for instructional delivery.
- To utilize SWAYAM platform and other resources for training.
- To support policy makers for incorporating training as per requirements.

About the Institution

PSG College of Technology established in 1951, is one of the foremost institutions founded by PSG & Sons’ Charities Trust. The college is Government Aided, Autonomous, ISO 9001: 2015 Certified and Affiliated to Anna University, Chennai.

The institution is equipped with latest facilities and excellent infrastructure. The college offers programmes in Science Engineering and Management at UG and PG levels. The institution has strong alumni network across many educational institutions, industries and research organizations all over the world.

About the Department

The Department of Instrumentation and Control Systems Engineering was established in the year 2007. The Department offers undergraduate programme in Instrumentation and Control Engineering and postgraduate programme in Control Systems.

The department is equipped with Industrial Automation Laboratory, Process Control Laboratory, Embedded System Design Laboratory, Electronics Laboratory, Signal Processing Laboratory, Distributed Control Systems Laboratory and Instrumentation Laboratory.

Intensive training programmes and short term courses are organized regularly for the benefit of students and faculty members. The Department also has funded research activity.

About the Programme

The manufacturing and process industries are undergoing a rapid transformation driven by digital technologies which is expected to accelerate in the coming years. By adopting Industry 4.0 & 5.0 technologies manufacturers can improve efficiency, reduce costs, enhance the quality of their products, and meet the needs of their customers. The main objective of this FDP is to provide an insight about the emerging technologies contributing the digital transformation in industries. It also helps the participants in bridging the gap between industry and academia.

Topics Covered

- Process Automation and Optimization
- Process Data Analytics
- Machine Learning and Deep Learning
- Artificial Intelligence in Measurement and Control Applications
- Industrial Internet of Things
- Cloud Computing
- Digital Twin Technology
- Cybersecurity
- Case Studies