

Resources Persons

The resource persons for the programme are experts from industry and academia who have vast experience in precision manufacturing.

Dr. M. Kanthababu

Professor, Dept. of Manufacturing Engg.
College of Engineering Guindy
Anna University, Chennai

Dr. A. Velayudham

Scientist G (Rtd.), Combat Vehicles Research & Development Establishment (CVRDE) DRDO and Visiting Professor Anna University, Chennai

Dr. J. Jerald

Professor
Department of Production Engineering
National Institute of Technology, Trichy

Dr. Rajesh Ranganathan

Professor, Department of Mechanical Engineering
Coimbatore Institute of Technology, Coimbatore

Dr. Afzaal Ahmed

Associate Professor
Dept. of Mechanical Engineering
Indian Institute of Technology, Palakkad

Dr. Chakradhar Dupadu

Associate Professor
Dept. of Mechanical Engineering
Indian Institute of Technology, Palakkad

Dr. S. Kanmani Subbu

Associate Professor
Dept. of Mechanical Engineering
Indian Institute of Technology, Palakkad

Dr. K. Deepak Lawrence

Assistant Professor
Department of Mechanical Engineering
National Institute of Technology, Calicut

Er. V. Sivaganesh

Head, Factory automation
FANUC India Ltd., Bangaluru, Karnataka

Er. G. Jayaprakash

MC Machinery Systems India Private Limited
Coimbatore

Registration Details

No registration fee for participation. Outstation participants from AICTE approved institutions will be given TA/DA as per AICTE norms. Selection will be done based on first-cum-first serve basis and the confirmed candidates will be notified immediately.

Registration can be done through ATAL website.

Certificate will be provided as per ATAL norms.

Registration Link:

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

Organizing Committee

Chief Patron Thiru. L.Gopalakrishnan
Managing Trustee
PSG & Sons' Charities Trust
Coimbatore

Chief Patron Dr. K. Prakasan
Principal
PSG College of Technology
Coimbatore

Convener Dr. M. Senthilkumar
Professor & Head
Department of Production
Engineering
PSG College of Technology
Coimbatore

Coordinator Dr. V. Krishnaraj
Professor
Department of Production
Engineering
PSG College of Technology
Coimbatore
Email: vkr.prod@psgtech.ac.in
Ph: +91 9788454142

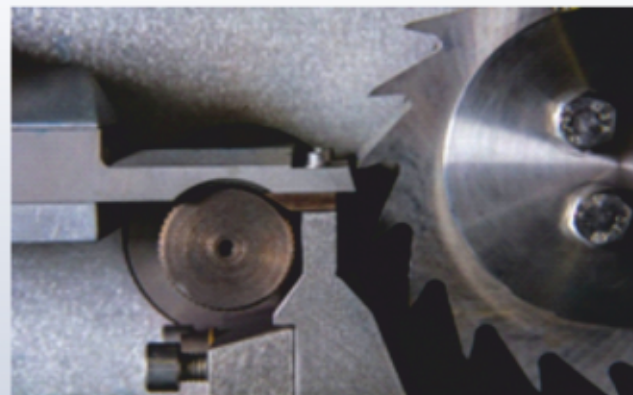
Co-Coordinator Dr. Jayakrishnan Nampoothiri
Asst. Professor, Dept. of
Production Engineering
PSG College of Technology
Coimbatore
Email: jkn.prod@psgtech.ac.in
Ph: +91 9447782703



AICTE Training and Learning (ATAL) Academy

Sponsored
One Week

Faculty Development Programme (FDP) on **Precision Manufacturing**



08/01/2024 – 13/01/2024

Organized by



**Department of Production Engineering
PSG College of Technology
Coimbatore, Tamil Nadu**

About the Department

PSG College of Technology, one of the foremost institutions founded by the PSG & Sons' Charities Trust is a Govt. Aided, Autonomous, Anna University affiliated and ISO 9001:2015 certified institution. Envisaging the need for trained manpower in the field of manufacturing, an undergraduate programme in Production Engineering was started in 1975. Over the time, the Department of Production Engineering expanded in several dimensions of academic excellence, research and development, and consulting activities.

Vision of the Department

To be a leader in engineering education of excellence that imparts relevant skills and right attitudes among students to serve the society by

- Developing products and processes that are innovative and suitable for the prevailing societal conditions
- Acquiring knowledge for the societal requirements of future by pursuing research and
- Activities that are based on values and ethics with a sense of responsibility to the society and the environment.

Mission of the Department

To provide students of production engineering with learning facilities comparable to world-class standards for innovating current and emerging products and manufacturing processes with a multidisciplinary approach leveraging the power of basic and engineering sciences and digital engineering tools and offering elegant and cost-effective solutions to the problems faced by industry.

About AICTE-ATAL Scheme

All India Council for Technical Education (AICTE) was set up in November 1945 as a national-level apex advisory body to conduct a survey on the facilities available for technical education and to promote development in the country in a coordinated and integrated manner. 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 to developing quality technical education in the country by initiating various schemes launched by Govt. of India, Ministry of Human Resource Development. The council understands that there is a need to train the young generation in the skill sector and having faculty & technicians trained in their respective disciplines. Training is required to increase students' knowledge and skillsets to make them more employable to acquire global competencies.

About the Programme

The approach of precision manufacturing focuses on achieving exceptionally high levels of accuracy, repeatability, and quality in the production of intricate and complex components, catering to various sectors such as aerospace, medical, electronics, and automotive. With the integration of innovative techniques such as additive manufacturing, computer numerical control (CNC) machining, micro and nanomachining, and advanced metrology systems, the precision manufacturing has opened up new possibilities, enabling the creation of highly efficient, reliable, and customized products for the modern world. The proposed FDP in precision manufacturing tries to share the cutting-edge advancements and technological breakthroughs that have revolutionized the manufacturing industry.

Objective of the Programme

The primary objective of the proposed FDP is to enhance the participant's teaching and research skills by acquire knowledge about current technological developments in "Precision Manufacturing" and channelize development with respect to academic qualifications and personal matters.

Target audience

The program is open to all members of AICTE/UGC Affiliated Institutes/Universities i.e. Faculty Members/Research Scholars/PG Students/Employees/Industry Persons.

Outcome of the Programme: By the end of this FDP, participants will be able to understand the technological advancements in the realm of Precision Manufacturing. They can elevate their teaching and research capabilities, align their academic qualifications, and nurture personal growth.

Scope of the Programme: The scope of conducting a FDP on "Precision Manufacturing" is to provide participants with comprehensive insights into advanced manufacturing techniques, fostering precision and quality. This FDP offers comprehensive knowledge enhancement, skill development, and academic/personal growth opportunities.

Topics covered

The topics of interest of this FDP include, (but are not limited) the following domains:

- Precision Machining & Manufacturing
- Micro Machining & Manufacturing
- Non-Traditional Machining
- Precision Metrology

