

ABOUT THE COLLEGE

PSG College of Technology, an institution of academic excellence, was founded in the year 1951 by PSG & Sons' Charities Trust. PSG College of Technology an AICTE approved institution is affiliated to Anna University and ISO 9001 certified. Most of our programmes have been accredited by National Board of Accreditation (NBA). One unique feature at PSG College of Technology is the close collaboration with industry, resulting in the cross fertilization of theory with practice. PSG College of Technology is currently ranked 69 in latest NIRF ranking & NAAC accredited.

ABOUT THE DEPARTMENT

The Automobile Engineering department was established with an undergraduate programme in Automobile Engineering in 1999 and postgraduate programme in Automotive Engineering in 2009. The department also offers doctoral research programme. The department maintains a close liaison with a number of Universities and Industries within and outside the country through faculty research and collaborative projects. The department offers consultancy services in Chassis Design, Engine Design, FEA analysis, and CFD simulations. The department has established PACE laboratory with contributions from GM, Autodesk, HP, Oracle, Siemens PLM to develop the automotive product lifecycle management expertise. Faculty members are publishing in highly reputed international, national journals and in conferences.

ABOUT THE PROGRAMME

Teaching-Learning is an important process in academic institutions. Transfer of knowledge takes place from the teachers who need orientation and training in effective teaching. As a service to the teaching community in the engineering institutions, our institution sponsor a programmes to enrich the skills and knowledge. This Two day workshop will be an excellent opportunity to listen from the experts in the respective fields and also to discuss about the current technologies and futuristic trends. It has become important for the educators and practicing engineers to continuously upgrade their knowledge and skills in evidence-based practice strategies, small group facilitation, active lecturing, and the productive use of technology which also helps the researchers and faculty members to update their research skills.

OBJECTIVES

The workshop aims to facilitate expert technical discussions on the latest advancements and innovations in future drone technologies, focusing on Unmanned Aerial Vehicles (UAVs). By providing a platform for knowledge exchange, the workshop seeks to engage faculty members and participants in the UAV field, both theoretically and practically, thereby fostering significant contributions to the advancement of UAV technology.

COURSE CONTENTS

- Overview of UAV Technology
- Understanding UAV Components
- Exploring Aerodynamics in UAVs
- Sensors Technology and Practical Applications
- Drone Dynamics: Control and Testing Methods
- Advanced Safety Measures
- Smart Agriculture with Internet of Drones
- Autonomous Drone Operations: Challenges and Solutions

COURSE OUTCOMES

The two day Workshop on Future Drone Technologies and Applications aims:

- Develop preliminary design specifications for future unmanned aerial vehicles.
- Identify and select appropriate components
- Simulate the flight dynamics and operational functions of future drones.
- Conduct comprehensive system testing procedures
- Design aerial vehicle systems with a focus on addressing emerging challenges and practical limitations in drone technology.

RESOURCE PERSONS

The Various session of the Workshop will be presented by the expert industries.

ORGANIZING COMMITTEE

Chairman:

Dr. K. Prakasan
Principal

Coordinator:

Dr. S. Neelakrishnan
Professor & HOD,
Dept of Auto Engg,
PSG College of Technology

Co-Coordinator:

Dr. J. Niresh
Assistant Professor (Sr.Gr.)
Department of Auto Engg,
PSG College of Technology,
Coimbatore-641004

TARGETED PARTICIPANTS

Faculty members, Ph.D. Research Scholars, PG and UG students from State/ Central, Private Universities, and industry delegates from different countries are eligible to attend the faculty development program

HOW TO REGISTER

Participants are required to apply through online registration form by clicking on the following link:

<https://forms.gle/VzkZky6gghZzaxyH6>

REGISTRATION FEES

Academician/ Industry: ₹ 1500*
Research Scholar/ Students: ₹ 1000*
* Inclusive of GST

DATES TO REMEMBER

Last date for Registration: 10-07-2024
Intimation of Selection : 19-07-2024

ACCOUNT DETAILS

Bank : Central Bank of India
Account Name : PSG Center for Non formal and Continuing Education
A/C No. : 1481267367
IFSC : CBIN0280913
Branch : Peelamedu

For any queries, contact:

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Two Days Workshop on “FUTURISTICS CHALLENGES & TECHNOLOGIES IN UAV's FOR SUSTAINABLE ENVIRONMENT”

July 26th - 27th 2024



Organized By

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PSG College of Technology**

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