

## About the College

Located in the historic city of Chh. Sambhajinagar, P.E.S. College of Engineering was established in 1994 under the aegis of Peoples Education Society Mumbai founded by Bharatratna Dr.

B.R.Ambedkar in 1945. The UGC New Delhi has conferred an AUTONOMOUS STATUS to the institute from Academic year 2025-26. It is situated in Nagsenvana a 167 acre spread over a land of 22.5 acres. Its aim is to set up a standard in Technical Education so as to provide greater opportunities to aspiring engineers so as to have an overall development of individuals as well as of the society.

The intake capacity of the college is 510 and offers Full Time Regular four years Undergraduate Course in Mechanical and Automation Engineering, Civil Engineering, Electrical Engineering, Electronics & Computer Engineering, Computer Science & Engineering, Computer Science & Engineering (Data Science) and Electronics Engineering (VLSI Design and Technology). We also offer Full Time Regular Post Graduate Courses in Structural Engineering, Electrical Power Systems, Electronics and Communication (VLSI Design), Computer Science Engineering (Cyber Security) and Advance Manufacturing and Mechanical System Design.

The institute is accredited by NAAC with "B++" Grade. We have set high standards in Curricular, Co-Curricular & Extra Curricular activities. We follow fine Student-Staff Ratio, specified Computer Ratio, Digital Library Work and Excellent Industry Institution Interaction. We follow Open Basic Education and national and international standards.

## Who can register

The faculty members, Research Scholars & PG Scholars of the AICTE approved institutions and Industry Personnel.

## Certification

E-Certificates will be issued by AICTE Training and Learning (ATAL) academy to the participants who have attended the FDP with minimum 80% attendance and scored minimum 60% marks in the online test with feedback.

## Chief Patron

Hon. Dr. S. P. Gaikwad, Trustee & Chairman  
People's Education Society (Mumbai)

## Patron

Dr. A. P. Wadekar, Principal

## Convener & Organizing Secretary

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## Co-coordinator

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## Organizing Committee Members

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**AICTE Training And Learning(ATAL)  
Academy Sponsored Online  
One-Week Faculty Development Program**

**On**

**Strategic Implications of Energy  
Efficiency, Conservation and  
Sustainability for Global Competitiveness**

**06<sup>th</sup> October to 11<sup>th</sup> October 2025**



**Organized by**

**Internal Quality Assurance Cell (IQAC)  
in association with  
Department of Civil Engineering**

**People's Education Society's  
P.E.S. College of Engineering  
(An Autonomous Institute)  
Nagsenvana, Chh. Sambhajinagar M. S. (India)  
[www.pescoe.ac.in](http://www.pescoe.ac.in)**

**Approved by**

**AICTE, New Delhi, DTE Mumbai Govt. of Maharashtra**

**Affiliated to**

**Dr. Babasaheb Ambedkar Technological University,  
Lonere, Dist. Raigad (M.S.)**

## 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”. AICTE is committed for development of quality technical education in the country by initiating various schemes launched by Govt. of India, Ministry of Human Resource Development.

Council understand that there is a need to train the young generation in skill sector and having faculty & technicians to be trained in their respective disciplines. Training is required for increasing the knowledge and skills of students to make them more employable to acquire global Competencies.

## About FDP

The way we produce and consume energy is the leading driver of the climate crisis. Three-quarters of global greenhouse gas emissions come from our current fossil-fuel based energy sector. Transition out of fossil fuels and towards sustainable energy sources is the only way to stop the rise in global temperatures and its devastating effects on people and the wider natural world that we depend on.

This Six days faculty development program aims toward Providing an improved understanding and awareness of the key climate processes and the resultant climate risks and associated consequences. Encouraging research in the areas of climate change impacts on important socioeconomic sectors like agriculture, health, natural ecosystem, bio-diversity, coastal zones, etc.

## Topics covered

- Renewable Energy: An important need of today's era.
- Energy Conservation and Renewable energy systems
- Sustainable Energy Policy and Governance
- Navigating Energy Challenges “The Role of Emerging Technologies in India's Sustainable Future”
- Electric Vehicles: A drive of Sustainable Transportation Systems.
- Case Studies of Simplified Computational Approach for Solar Thermal Applications
- Net Zero By 2070- Preparedness, Challenges and Impacts on the Financial Power Utilities in India.
- When Intelligence Consumes Power: Sustainability in the Era of LLMs
- Renewable Energy and Energy Access in Developing Communities.
- Sustainable Energy Solutions for Climate Change.
- Formulating rocket propellants for the future with the focus on sustainability and environmental impact for Sustainable Development.
- Battery Thermal Management System for Electrical Vehicle.
- Energy-Economy-Environment for Sustainable Development

## Resource Persons



### Mr. Manish Hatwar

Head, Technology Innovation, Offshore Wind Business, Siemens Gamesa, Rheine, North Rhine-Westphalia, Germany.



### Dr. Akhtar Kalam

Professor of Electrical Engg., School of Engineering and Science Victoria University, Melbourne Victoria, Australia.



### Dr. G. K. Awari

AICTE Nominated Margdarshak & Chief Coordinator, AICTE Mentor Institute- GPN, HoD of Automobile Engg., Govt. Polytechnic, Nagpur (MS)India.



**Dr. Shobha Lata Sinha** Professor & Head, Department of Mechanical Engg., National Institute of Technology, Raipur, (C.G.), India.



### Mr. Rahul Kharat

Cofounder & CTO at ResEt AI, Bengaluru, Karnataka, India.



### Mr. Prasad Kokil

Managing Director, Sanjay Technoplast Pvt Ltd. Chh. Sambhajinagar, M. S., India.



### Mr. U. G. Zalte

Former Executive Director, Maharashtra State Electricity Transmission Co. Ltd. Maharashtra, India.



### Dr. Neeraj Kumbhakarna

Associate Professor, Department of Mechanical Engg, Indian Institute of Technology, Bombay, Mumbai-400076, India



### Dr. Ravindra Jilte

Associate Professor, Energy Centre, Maulana Azad National Institute of Technology (MANIT) Bhopal, M.P., India.



### Mr. Manoj Sail

General Manager, Enercon India Ltd. Agrawal Group, Goa

## Registration Details

- "No Charge for Registration, Course and Certification" as the Programme is sponsored by AICTE Training and Learning (ATAL) Academy.
  - Participant NOC Format - <https://drive.google.com/file/d/1XscTFDI3tNgaaVJ2YqM4RSI7pB90ZxzF/view?usp=sharing>
  - Link for Registration - <https://atalacademy.aicte.gov.in/login>
- Step 1: Sign-Up**  
**Step 2: Click on FDPs**  
**Step 3: Select 'Strategic Implications of Energy Efficiency, Conservation and Sustainability for Global Competitiveness'**  
**Step 4: Click the plus sign button to register.**

# ATAL Online 6 Days Faculty Development Programmes 2025-26 Schedule

FDP Thrust Area: Energy, Sustainability & Climate Change

FDP Title: Strategic Implications of Energy Efficiency, Conservation and Sustainability for Global Competitiveness

Start Date: 06.10.2025

End Date: 11.10.2025

Day 1: 06.10.12025	Day 2: 07.10.2025	Day 3: 08.10.2025	Day 4: 09.10.2025	Day 5: 10.10.2025	Day 6: 11.10.2025
6:00PM to 6:30PM <b>Inaugural Session</b>	6:00PM to 7:30PM <b>Session 3</b> <b>Topic:</b> Renewable Energy: An important need of today’s era <b>Name of the Expert:</b> Mr. Manish Hatwar, <b>Designation &amp; Organization:</b> Head, Technology Innovation, Offshore Wind Business, Siemens Gamesa, Rheine, North Rhine-Westphalia, <b>Germany</b> <b>Years of Exp:</b> 20 Yrs	6:00PM to 7:30PM <b>Session 5</b> <b>Topic:</b> Sustainable Energy Solutions for Climate Change <b>Name of the Expert:</b> Dr. Shobha Lata Sinha <b>Designation &amp; Organization:</b> Professor & Head, Department of Mechanical Engg., National Institute of Technology (NIT), Raipur, (C.G.), India <b>Years of Exp:</b> 37 Yrs	6:00PM to 7:30PM <b>Session 7</b> <b>Topic:</b> Energy Conservation and Renewable energy systems <b>Name of the Expert:</b> Dr. Akhtar Kalam <b>Designation &amp; Organization:</b> Professor of Electrical Engg., School of Engineering and Science, Victoria University, PO Box 14428, Melbourne Victoria, <b>Australia</b> <b>Years of Exp:</b> 39 Yrs	6:00PM to 7:30PM <b>Session 9</b> <b>Topic:</b> Formulating rocket propellants for the future with the focus on sustainability and environmental impact for Sustainable Development. <b>Name of the Expert:</b> Dr. Neeraj Kumbhakarna <b>Designation &amp; Organization:</b> Associate Professor, Department of Mechanical Engg, Indian Institute of Technology, Mumbai-400076, India <b>Years of Exp:</b> 23 Yrs	2:00PM to 3:30PM <b>Session 11</b> <b>Topic:</b> Net Zero By 2070- Preparedness, Challenges and Impacts on the Financial Power Utilities in India <b>Name of the Expert:</b> Mr. U. G. Zalte <b>Designation &amp; Organization:</b> Former Executive Director, Maharashtra State Electricity Transmission Co. Ltd. <b>Years of Exp:</b> 40 Yrs
6:30PM to 8:00PM <b>Session 1</b> <b>Topic:</b> Battery Thermal Management System for Electrical Vehicle <b>Name of the Expert:</b> Dr. Ravindra Jilte <b>Designation &amp; Organization:</b> Associate Professor, Energy Centre, Maulana Azad National Institute of Technology (MANIT) Bhopal, M.P., India  <b>Years of Exp:</b> 24 Yrs.	7:30PM to 9:00PM <b>Session 4</b> <b>Topic:</b> Sustainable Energy Policy and Governance <b>Name of the Expert:</b> Dr. G. K. Awari <b>Designation &amp; Organization:</b> AICTE Nominated Margdarshak & Chief Coordinator, AICTE Mentor Institute- GPN, Head, Dept. of Automobile Engg., Govt. Polytechnic, Nagpur, Maharashtra, India <b>Years of Exp:</b> 31 Yrs	7:30PM to 9:00PM <b>Session 6</b> <b>Topic:</b> Renewable Energy and Energy Access in Developing Communities <b>Name of the Expert:</b> Mr. Manoj Sail <b>Designation &amp; Organization:</b> General Manager, Enercon India Ltd. Agrawal Group, Goa <b>Years of Exp:</b> 19 Yrs	7:30PM to 9:00PM <b>Session 8</b> <b>Topic:</b> Electric Vehicles: A drive of Sustainable Transportation Systems <b>Name of the Expert:</b> Dr. G. K. Awari <b>Designation &amp; Organization:</b> AICTE Nominated Margdarshak & Chief Coordinator, AICTE Mentor Institute- GPN, Head, Dept. of Automobile Engg., Govt. Polytechnic, Nagpur, Maharashtra, India <b>Years of Exp:</b> 31 Yrs	7:30PM to 9:00PM <b>Session 10</b> <b>Topic:</b> Navigating Energy Challenges “The Role of Emerging Technologies in India’s Sustainable Future” <b>Name of the Expert:</b> Mr. Rahul Kharat <b>Designation &amp; Organization:</b> Cofounder & CTO at ResEt AI, Bengaluru, Karnataka, India  <b>Years of Exp:</b> 17 Yrs.	3:30PM to 5:00PM <b>Session 12</b> <b>Topic:</b> Energy-Economy-Environment for Sustainable Development <b>Name of the Expert:</b> Mr. Prasad Kokil <b>Designation &amp; Organization:</b> Managing Director, Sanjay Technoplast Pvt Ltd. Chhatrapati Sambhajnagar, Maharashtra, India <b>Years of Exp:</b> 40 Yrs
8:00PM to 9:30PM <b>Session 2</b> <b>Topic:</b> When Intelligence Consumes Power: Sustainability in the Era of LLMs <b>Name of the Expert:</b> Mr. Rahul Kharat <b>Designation &amp; Organization:</b> Cofounder & CTO at ResEt AI, Bengaluru, Karnataka, India <b>Years of Exp:</b> 17 Yrs.					5:00PM to 6:30PM <b>Session 13</b> <b>Topic:</b> Case Studies of Simplified Computational Approach for Solar Thermal Applications <b>Name of the Expert:</b> Dr. Ravindra Jilte <b>Designation &amp; Organization:</b> Associate Professor, Energy Centre, Maulana Azad National Institute of Technology (MANIT) Bhopal, M.P., India <b>Years of Exp:</b> 24 Yrs
					6:30PM to 7:30PM <b>Online test &amp; feedback</b>
					7:30PM to 8:00PM <b>Valedictory Session</b>