

## ABOUT THE INSTITUTE

A comprehensive education encompasses the cultivation of moral, aesthetic, athletic, and intellectual values in the future citizens of our society. KIPM stands out as the optimal institution for fostering such a holistic education. Affiliated with AKTU and approved by the All India Council for Technical Education (AICTE), this college offers an enriching environment surrounded by lush greenery, conducive to the growth of students not only as adept engineers/managers but also as globally responsible citizens.

The faculty at KIPM comprises a harmonious blend of seasoned and dynamic educators dedicated to the noble pursuit of education. Our goal at KIPM is to shape a workforce that embodies the same spirit of commitment. Emphasizing both practical training and placements, along with a focus on self-directed learning and discipline, we attract students from across India. The institute boasts a sprawling, verdant campus with five academic blocks catering to various programs, all equipped with state-of-the-art facilities.

The aesthetically pleasing infrastructure features open spaces that contribute to a pleasant and peaceful atmosphere, fostering a serene environment ideal for learning. This college, enveloped by its verdant surroundings, provides the perfect backdrop for the holistic development of individuals.

## ABOUT THE DEPARTMENT

B.Tech Mechanical Engineering is an eight semester Bachelor's degrees programme after intermediate or equivalent. Mechanical Engineering is one of the oldest and broadest engineering disciplines that apply the principals of mathematics, physics and chemistry for analysis, design, manufacturing, and maintenance of mechanical systems. It is the branch of engineering that involves the production and usage of heat and mechanical power for the design, production, and operation of machines and tools.

### CHIEF PATRON

**Prof. J. P. Pandey**

Vice Chancellor  
Dr. A.P.J. Abdul Kalam Technical University  
Lucknow

### PATRON

**Er. R. D. Singh**

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KIPM Technical Campus

### COORDINATOR

**Dr. M. Z. R. Khan**

Associate Professor, MED

### CO-COORDINATOR

**Mr. Rahul Patel**

Assistant Professor, MED

### ORGANIZING MEMBERS

**Dr. Shah Fateh Azam**

Associate Professor, MED

**Mr. Swarn Praksh Mall**

Assistant Professor, MED

**Mr. Manish Singh**

Assistant Professor, MED

**Mr. Anuj Shukla**

Assistant Professor, MED

**Mr. Gaurav Kumar Mishra**

Assistant Professor, MED

### CONTACT DETAILS

**Dr. Shah Fateh Azam**

Head of Department  
Mechanical Engineering  
KIPM College of Engineering & Technology  
BL-1 & 2, Sector-9, GIDA, Gorakhpur, U.P.

✉ hodme@kipm.edu.in

☎ +91-9151005264



## AICTE TRAINING AND LEARNING (ATAL) ACADEMY

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**DEPARTMENT OF MECHANICAL ENGINEERING**



For More Information:  
[www.eng.kipm.edu.in](http://www.eng.kipm.edu.in)



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# ABOUT THE FDP



## FDP SESSION DETAILS

- SESSION-1** Materials for Clean Energy Solar Applications: Indian Perspective
- SESSION-2** Exploring the Fundamentals of Research Methodology: Principles and Practices
- SESSION-3** Green Hydrogen Generation Through Water-splitting Using Nanostructured Catalysts
- SESSION-4** Hydrogen Energy: Next Generation automotive fuel
- SESSION-5** Charge Domain Nucleation Across the Insulator-Metal Transition of Isolated VO<sub>2</sub> Nanoparticles
- SESSION-6** Optoelectronic Materials & Devices
- SESSION-7** Supercritical Carbon Dioxide for Solar Thermal Collector
- SESSION-8** Cladding of copper on mild steel
- SESSION-9** Tailoring Electrical Properties of Materials for Sustainable Energy Solutions
- SESSION-10** NEP 2020 Implementation in Higher Education



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**FOR REGISTRATION**

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



DEPARTMENT OF MECHANICAL ENGINEERING

Welcome to the Faculty Development Program on Clean Energy Materials. This program is designed to equip educators with cutting-edge knowledge and practical skills in the field of sustainable energy solutions. As the global demand for clean, renewable energy sources grows, understanding the materials that make these technologies possible is crucial. Participants will explore advancements in photovoltaic cells, battery storage, fuel cells, and other innovative materials. By fostering expertise in these areas, we aim to empower faculty to inspire the next generation of engineers and scientists dedicated to creating a sustainable future.

# 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.