



Meerut Institute of Engineering and Technology

Department of Mechanical Engineering

B.Tech in Mechanical Engineering

OR

**B.Tech in Mechanical Engineering with
Minor Degree in AIML**

OR

**B.Tech(Hons) in Mechanical Engineering
with specialization in Robotics and AI**



HODs Message

Welcome to the Department of Mechanical Engineering at MIET, Meerut!

As the Head of the Department, I'm happy to welcome you to our dynamic and growing community. Our department is a place where learning, innovation, and hands-on experience come together to prepare students for a successful career in Mechanical Engineering.

We have a dedicated team of faculty members who are experts in their fields and committed to supporting students both academically and professionally. At MIET, we focus on practical learning, use of the latest technologies, and real-world projects to ensure our students are industry-ready.

We offer the following programs:

- **B.Tech in Mechanical Engineering**
- **B.Tech in Mechanical Engineering with a Minor Degree in Artificial Intelligence and Machine Learning (AIML)**
- **B.Tech (Hons.) in Mechanical Engineering with a Specialization in Robotics and AI**

We aim to equip our students with the skills, knowledge, and confidence needed to solve real-world problems and contribute to the future of technology and innovation.

Looking forward to welcoming you to our department!



Dr. Vipin Kumar Sharma
Head of Mechanical Engineering
Department

STAR ACHIEVER



Kashif Abbas Zaidi

Company Name: Tally Solutions

Package: 10.25 Lakh PA



Devansh Sharma

Company name: Intellipat software solution

Package: 9 Lakh PA



Praveen Kumar

Company: Quality Tutorials Private Limited (Lido)

Package: 7 Lakh PA



Sonu Rathi

Company Name: Tata Steel

Package: 6.5 Lakh PA



Mohd Danish

Company: Proton Engineering Consultancy and Services

Package: 5.4 Lakh PA

STAR ACHIEVER



Vanshika Bhadouria
Continental India Private Limited
4 Lakh PA



Arjun Garg
Voltas Ltd
4 Lakh PA



Krish Bidhuri
Technico Industries Limited
3 Lakh PA

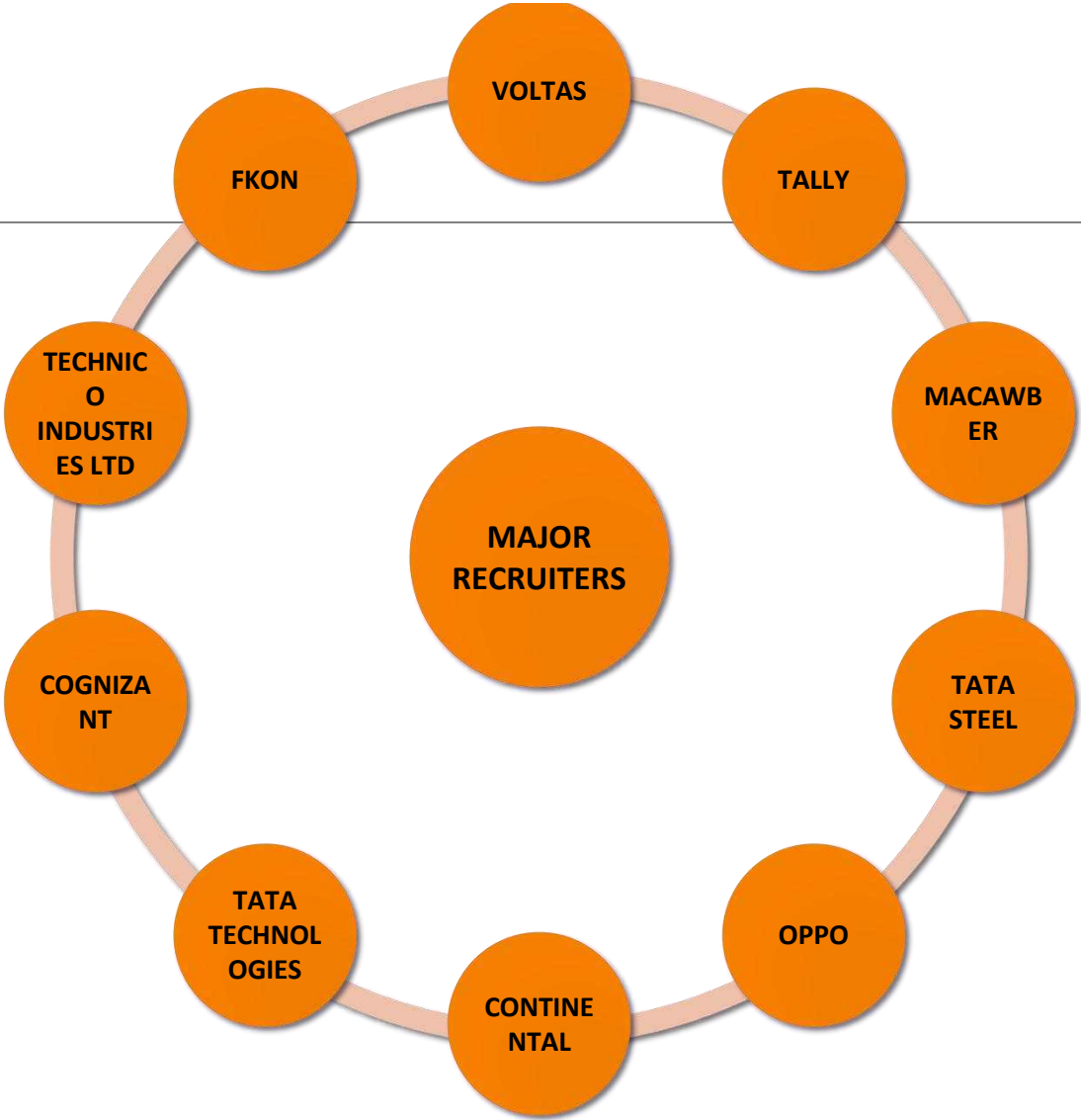


Harsh Khatri
Thermo Fab Engineers, Saharanpur
3 Lakh PA

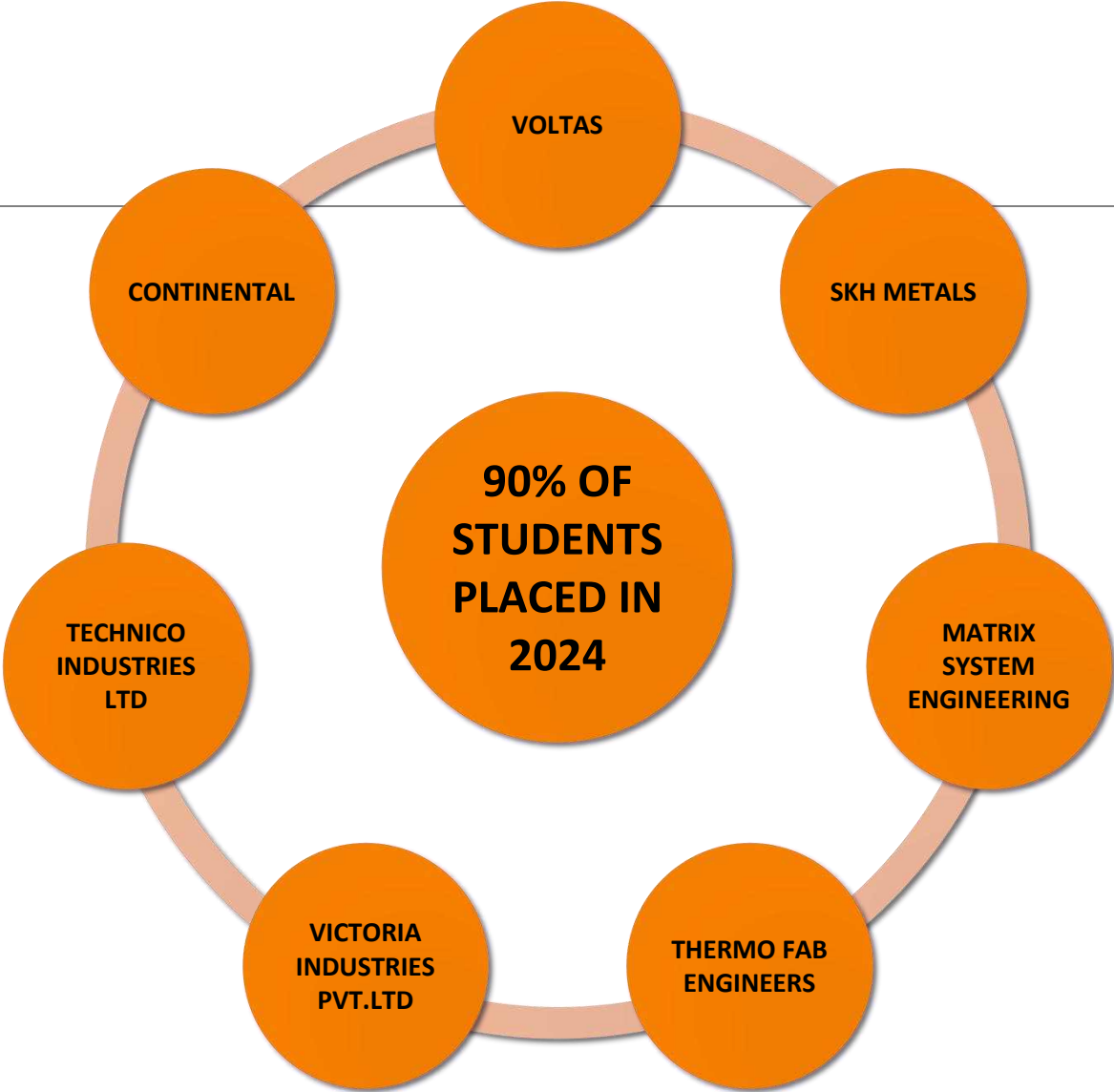


Tushar Verma
Matrix System Engineering
3 Lakh PA

MAJOR RECRUITERS

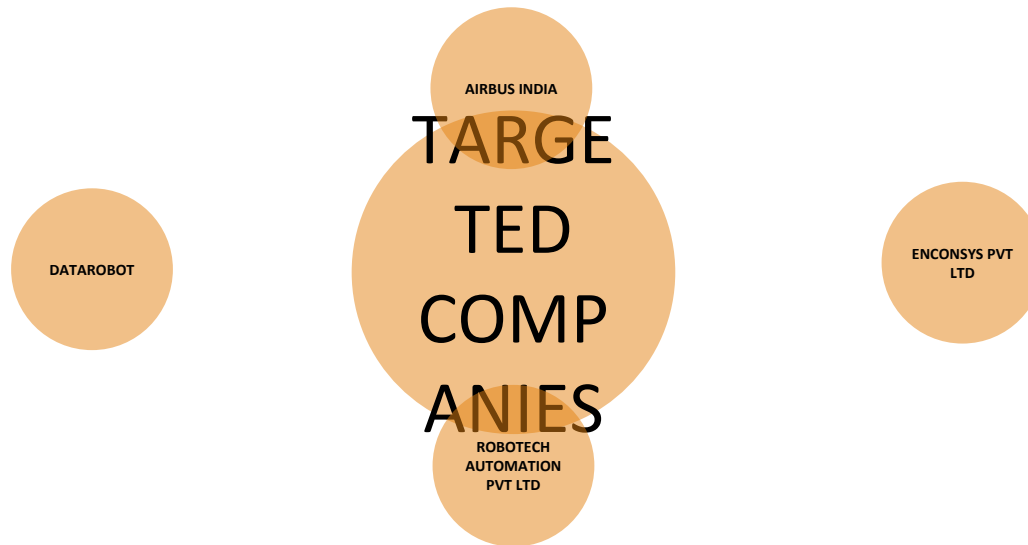


MAJOR SELECTION @2024



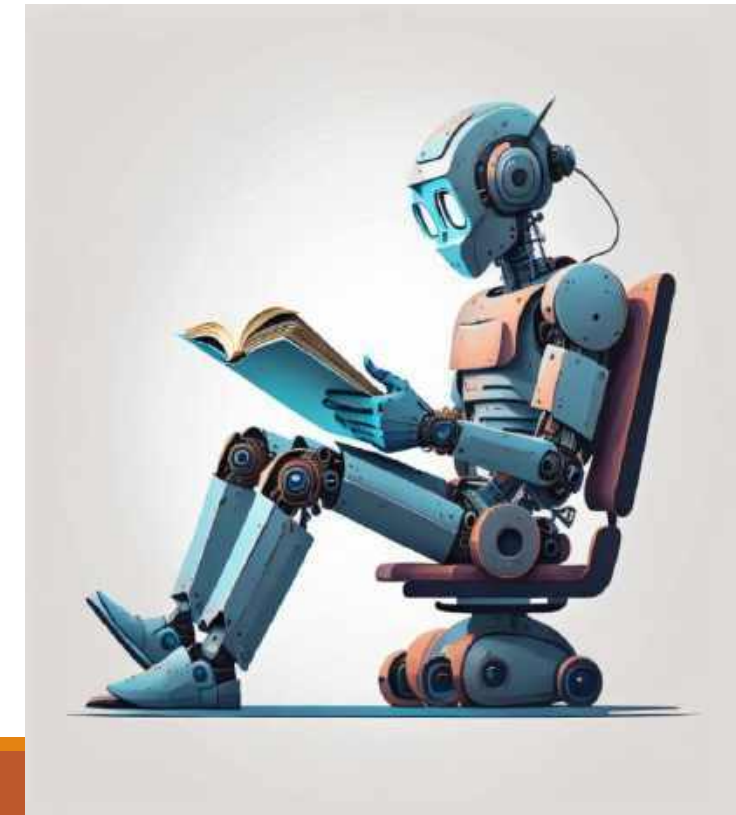
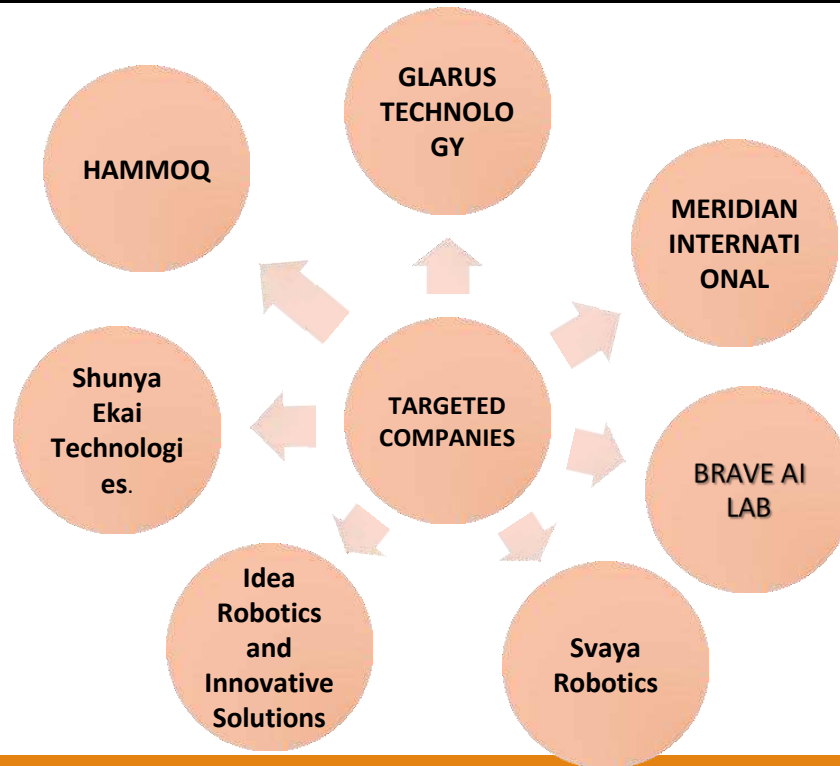
Why Mechanical Engineering With AIML

Combining Mechanical Engineering with Artificial Intelligence (AI) and Machine Learning (ML) creates a transformative synergy that enhances innovation and efficiency across industries. This interdisciplinary approach equips mechanical engineers to design smarter systems, automate processes, and optimize operations in fields such as robotics, manufacturing, automotive, and energy. AI/ML tools empower engineers to analyze complex data, predict system behaviors, and develop intelligent machines that adapt to real-world scenarios. By integrating AIML, mechanical engineers can lead advancements in predictive maintenance, autonomous systems, and sustainable technologies, ensuring their expertise remains highly relevant in the rapidly evolving tech-driven landscape

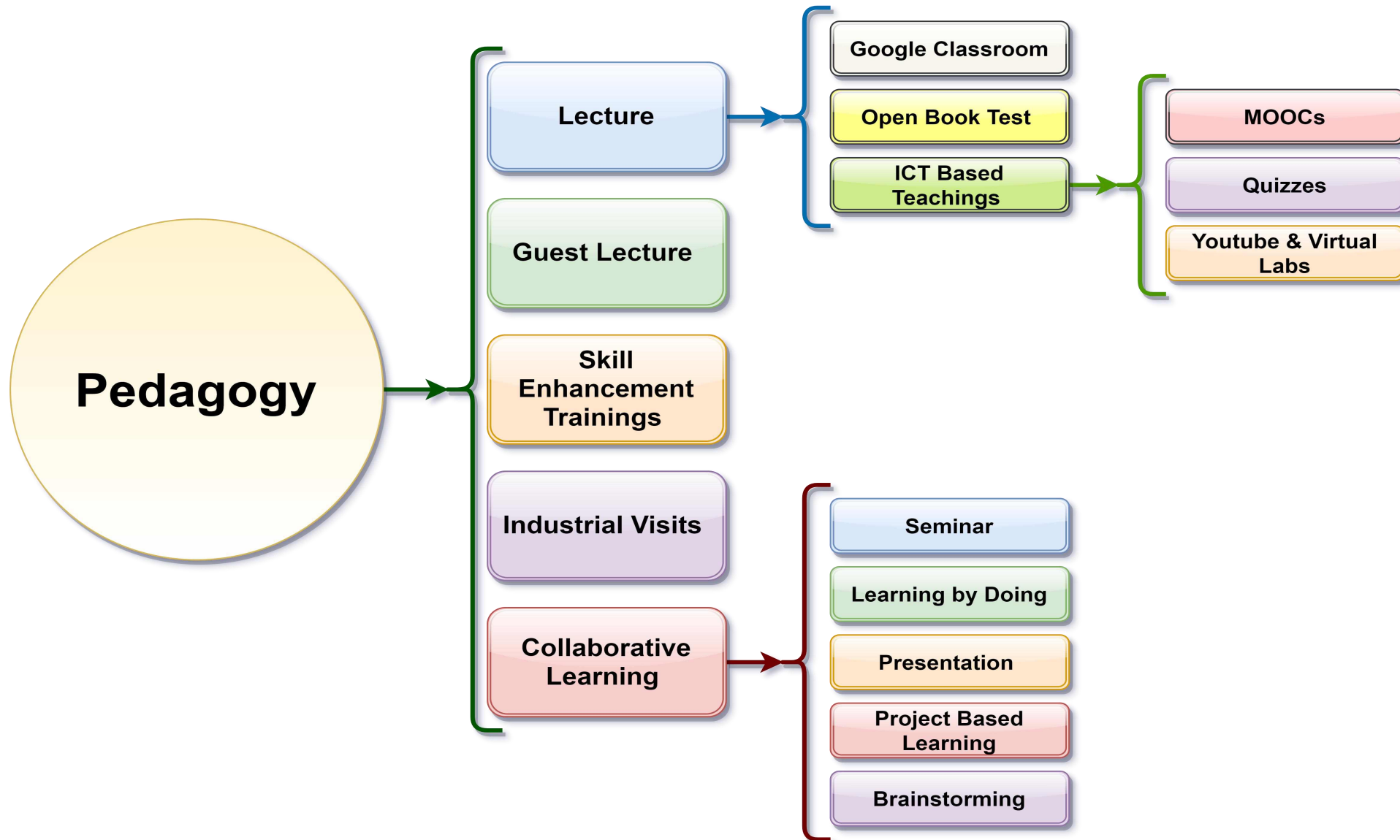


Why Mechanical Engineering with Robotics & AI

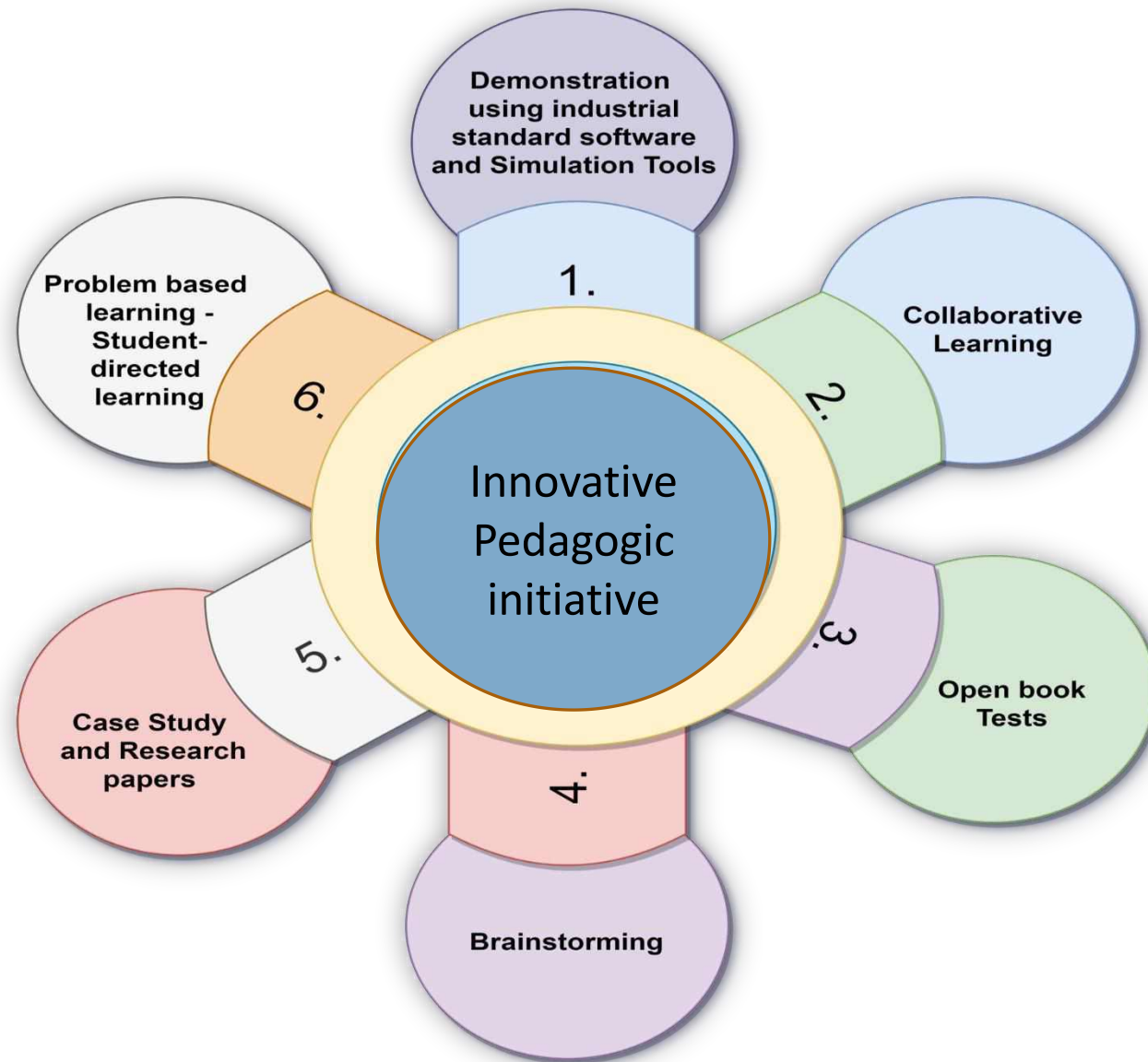
Mechanical Engineering with Robotics and AI combines the foundational principles of mechanics, materials, and design with cutting-edge technologies like automation, artificial intelligence, and robotics. This interdisciplinary approach enables engineers to design smarter, adaptive, and efficient systems for applications ranging from manufacturing and healthcare to autonomous vehicles and space exploration. By integrating AI's decision-making capabilities with the precision of robotics, the field addresses modern challenges such as sustainability, productivity, and human-machine collaboration, paving the way for innovative solutions in a rapidly advancing technological landscape.



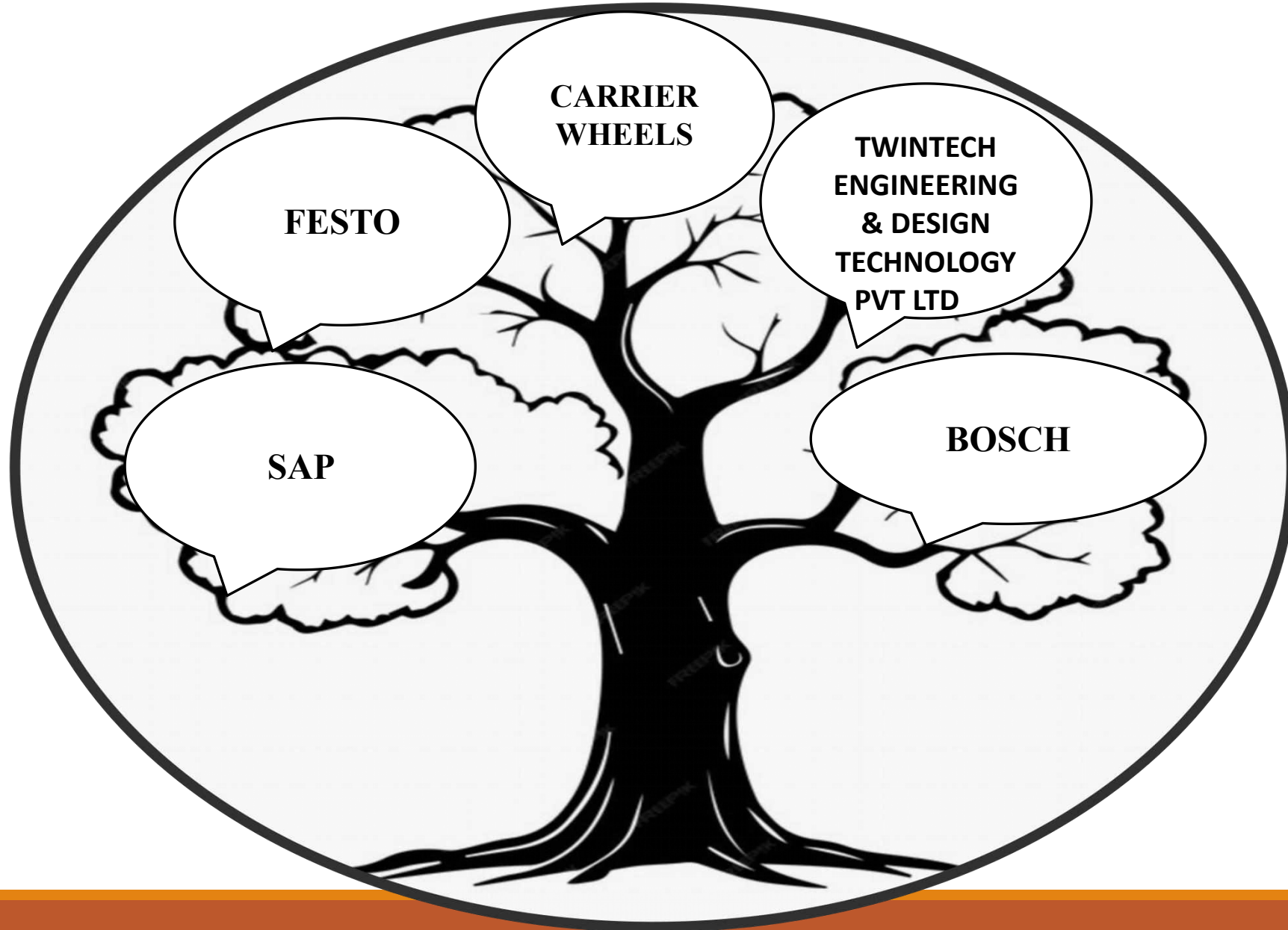
Our 360° Grooming Procedure



Our 360° Grooming Procedure



Our Industrial Collaboration



Glimpse Of Project For Industries

S. No.	Year	Name of the Project / Endowment	Name of Principal Investigator	Affiliation of Principal Investigator (Institute)	Year of Award	Total Sanctioned Amount (Rs)	Name of Funding Agency
1	2024	Study of high attrition Rates among blue colour employees at carrier wheels pvt. Ltd. , Shamli	Dr Shailendra Kumar with MBA department	MIET, Meerut	2024	97,650/-	Carriers Wheels Pvt. Ltd. Shamli
2	2024	Improving the performance and layout of an E- vehicle assembly plant	Dr Brijesh Singh, Dr Shailendra Kumar, Dr Hussain Mehdi, Mr Madhur Kumar Dubey	MIET, Meerut	2024	100,000/-	Sampoorna EV, Ghaziabad

Our Infrastructure

Training Center



Bosch- MIET Joint Certification Center



Design & Simulation (ANSYS) Lab



SAP Lab



Industrial Automation Lab



PLC and Drive Lab



IOT Lab

Specialized Skill Enhancement Training Centers



Specialized Training on

Solid Edge

NX Design

NX CAM

FEMAP

Bosch- MIET Joint Certification Center

PLC / SCADA / HMI

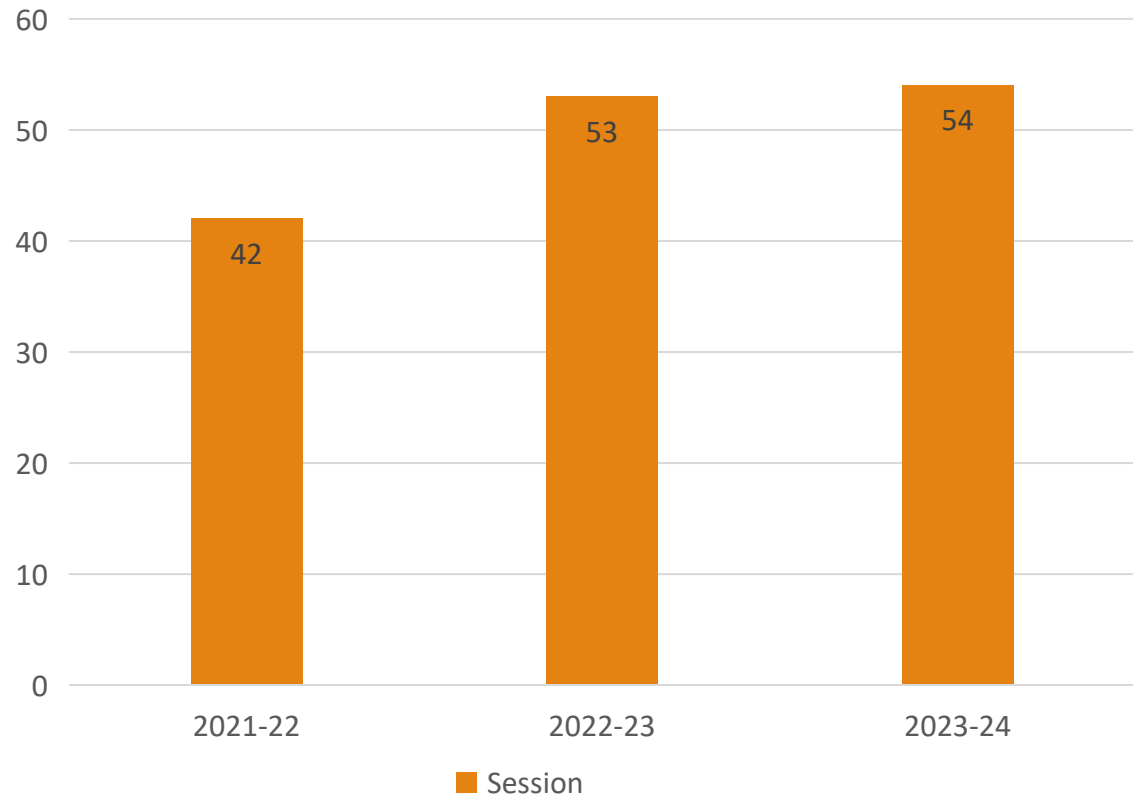
Industrial Automation & Industry 4.0

SAP

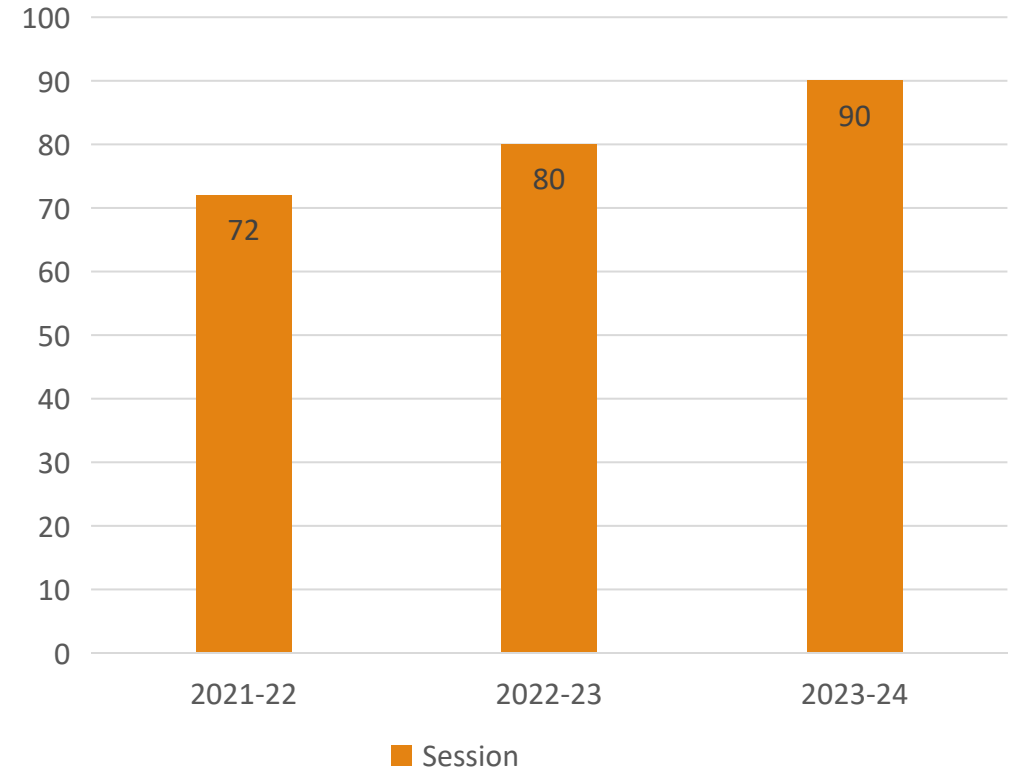
ANSYS & CFD

Placement Statistics

Mechanical Companies Visited



Students Placed Percentage



Placement @ Mechanical Engineering



Divyanshu Mishra
EFKON India



Manish Sharma
EFKON India



Anuj Yadav
EFKON India



Akshat Singh
TCS



Deepak Kumar EFKON
India



Karan Kumar
Macawber Beekay



Suyash Gaur
Macawber Beekay



Tarun Kumar
Macawber Beekay



Devansh Sharma
Intellipat Software
Solution



Irfan Ahmed Mir
UnORG Vendor
solution Pvt. Ltd.



Rahul Deshwal NIKITA
Papers



Jatin Kaushik NIKITA
Papers



Harsh Saini
NIKITA Papers



Ashutosh
ACS Network



Sagar Saini
ACS Network

And many more...

Placement @ Mechanical Engineering



Aakash Goel
Cognizant



Abhishek Kumar
Cognizant



Aditya Singh
Cognizant



Rashmi Sikha
EFKON India



Kunj Verma
NIKITA Papers



Tarun Sharma
Macawber Beekay



Ayush Mogha
Cognizant



Akash Kumar Cognizant



Vishal Dagar
Cognizant



Vishwjeet Singh
Cognizant



Ishan Gautam
Cognizant



Gargi Tyagi Cognizant



Vanshika Bhadouria
Continental India



Arjun Garg
Voltas Ltd



Krish Bidhuri
Technico Industries
Limited

And many more...

Student Placement Record 2022-23

Name of the Student placed	Program	Name of the Employer
Karan Kumar	B.Tech	Macawber Beekay
Kartik Bansal	B.Tech	OPPO Mobiles India Private Limited
Kunj Verma	B.Tech	NIKITA Papers
Manish Kumar	B.Tech	Control Print Ltd
Mohd Danish	B.Tech	EFKON India
Mukul Saini	B.Tech	ACS Network
Nitin Rawat	B.Tech	Regalo Kitchens
PRAKHAR SAXENA	B.Tech	Motherson Sumi Electric Wires
Rahul Deshwal	B.Tech	NIKITA Papers
Rambharose Nirwal	B.Tech	KBV research
Rashmi Sikha	B.Tech	EFKON India
Sagar Saini	B.Tech	ACS Network
Satyam Garg	B.Tech	Motherson Sumi Wirings
Shivang Tiwari	B.Tech	Bhagwati Products
Suyash Gaur	B.Tech	Macawber Beekay
Tarun Sharma	B.Tech	Macawber Beekay
UJER	B.Tech	Oppo Mobiles India P Ltd
UTKARSH RAWAT	B.Tech	Oppo Mobiles India P Ltd
Vikrant Kumar	B.Tech	Bhagwati Products/Anest Iwata Motherson
Vipul Kumar	B.Tech	OPPO Mobiles India Private Limited
Vishal Dagar	B.Tech	Cognizant (GenC)

Student Placement Record 2022-23

Vishwjeet Singh	B.Tech	Cognizant (GenC)/Anest Iwata Motherson
Abhay Garg	B.Tech	Bhagwati Products
Gargi Tyagi	B.Tech	Cognizant (GenC)
Irfan Ahmed Mir	B.Tech	UnORG Vendor solution Pvt Ltd / Bhagwati Products
Sagar Kashyap	B.Tech	Bhagwati Products/OPPO Mobiles India Private Limited
Shubham Gupta	B.Tech	OPPO Mobiles India Private Limited
Tarun Kumar Kardam	B.Tech	Macawber Beekay/Regalo Kitchens

Student Placement Record 2023-24

Name of the Student placed	Program	Name of the Employer
Abhinav Gupta	B.Tech	Debarred
Aditya Singh	B.Tech	SKH Metals
Arjun Garg	B.Tech	Voltas Ltd
Atharva Bhardwaj	B.Tech	Technico Industries Limited
Ayush Kumar	B.Tech	Technico Industries Limited
Gaurang Rastogi	B.Tech	Technico Industries Limited
Harsh Khatri	B.Tech	Thermo Fab Engineers, Saharanpur
Harsh Singhal	B.Tech	Thermo Fab Engineers, Saharanpur
Krish Bidhuri	B.Tech	Technico Industries Limited
Nitin	B.Tech	Technico Industries Limited
Rishabh Kumar	B.Tech	Victoria Industries Pvt Ltd
Rohit Singh	B.Tech	Technico Industries Limited
Tushar Verma	B.Tech	Matrix System Engineering
Vanshika Bhadouria	B.Tech	Technico Industries Limited/Continental
Mohd Shoaib	B.Tech	Shubh Aircon/Debarred
Shubham Lawaniya	B.Tech	Thermo Fab Engineers, Saharanpur
Vibhor	B.Tech	Technico Industries Limited
Prince Kumar(Re-Adm)	B.Tech	Technico Industries Limited

Student @ Higher Studies



Name: Mr Manik Gupta

Institute: friedrich-alexander-universität erlangen-nürnberg Germany

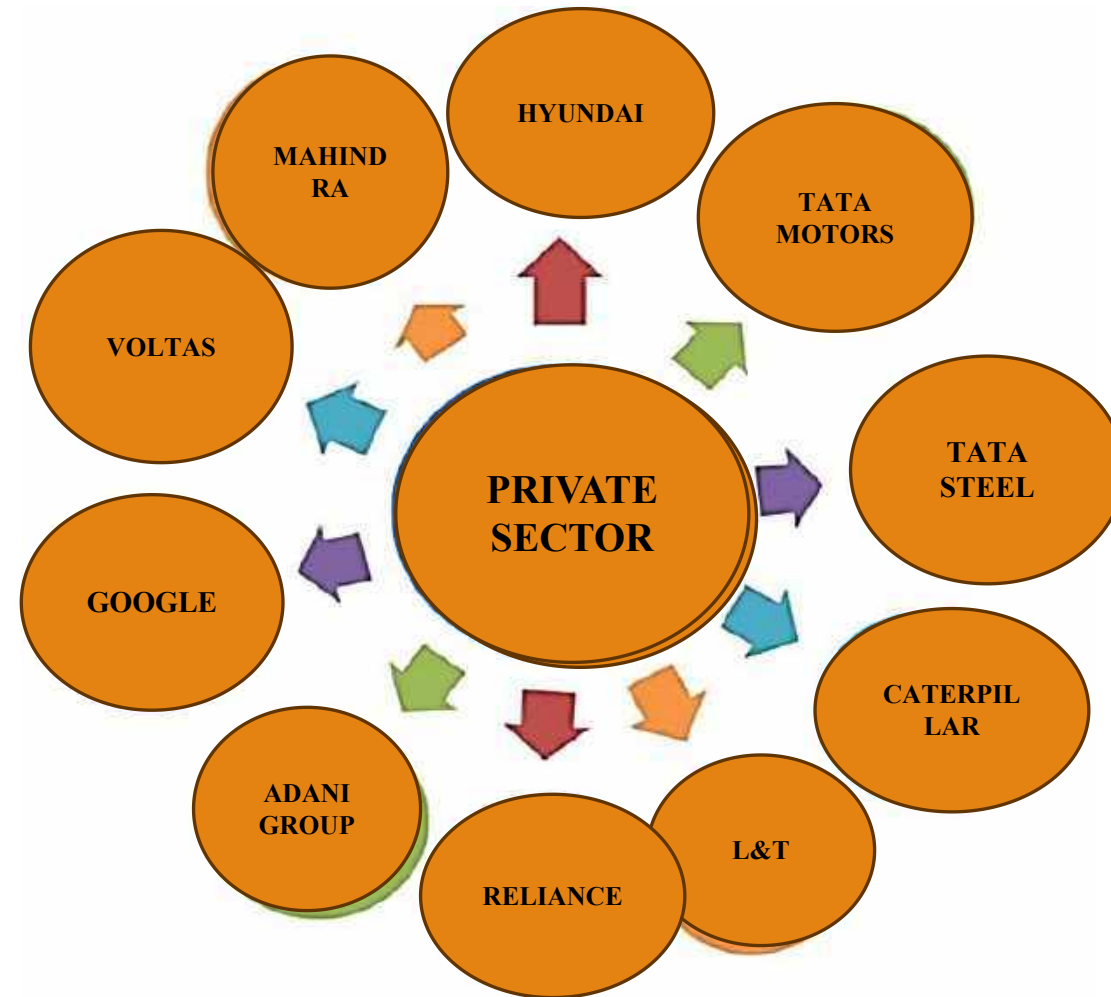


Name: Mr Harshvardhan

Institute: IIT Ropar

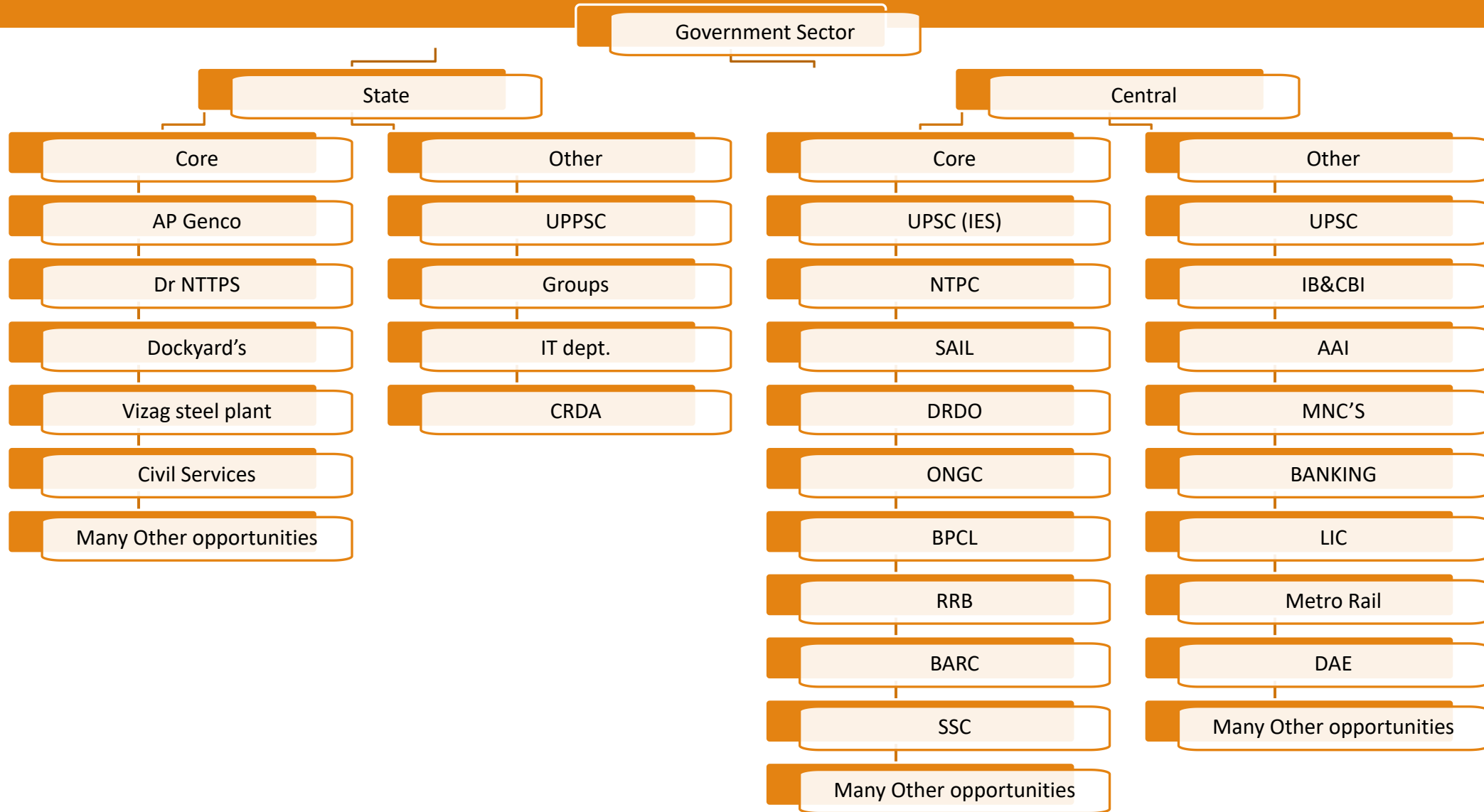
Course: M.Tech in specialization Thermal & Fluid Engineering

Career Opportunities After Mechanical Engineering

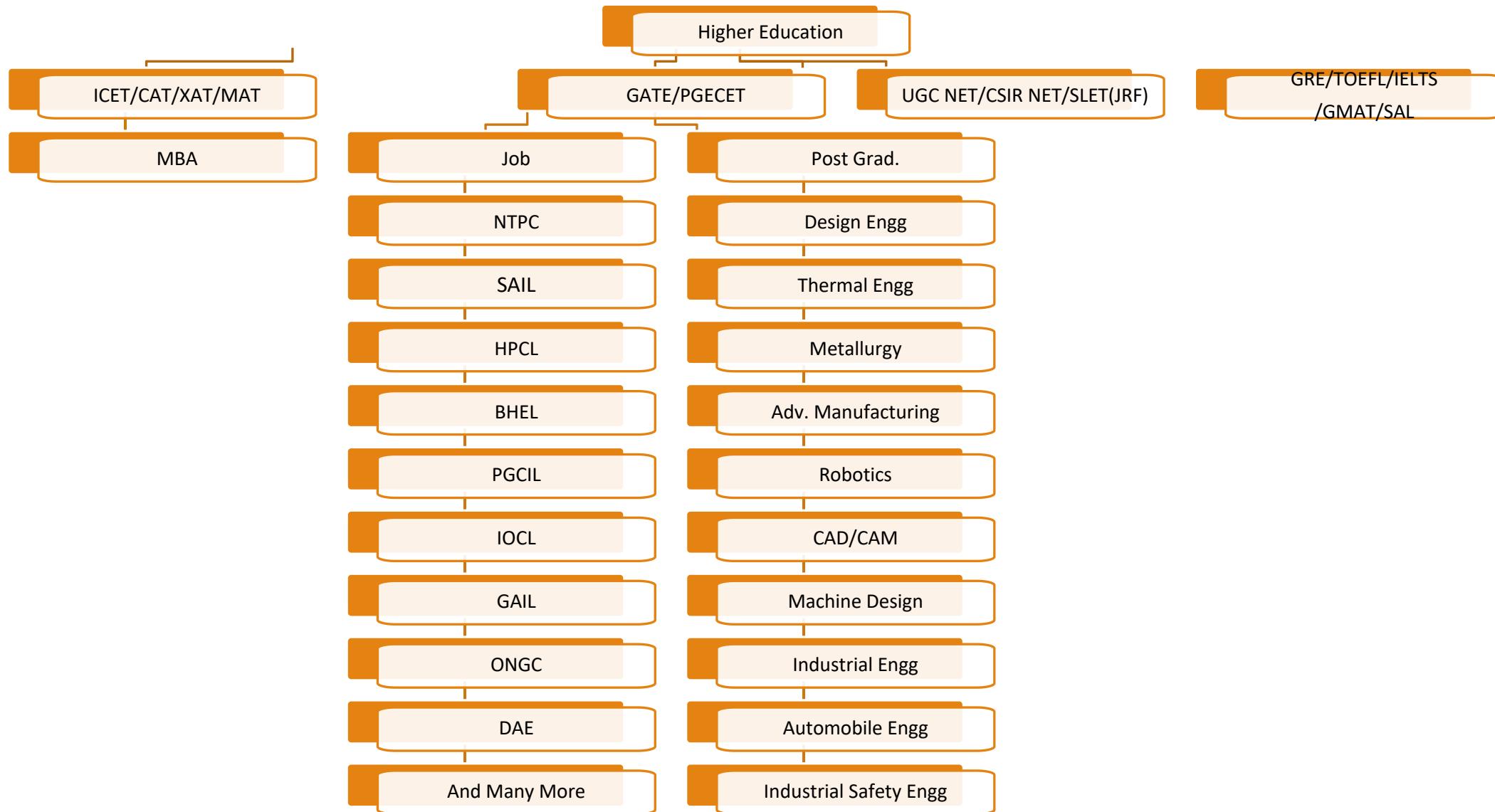


- Mechanical Engineering have its scope in every facet of our life.

Career Opportunities After Mechanical Engineering In Government Sector



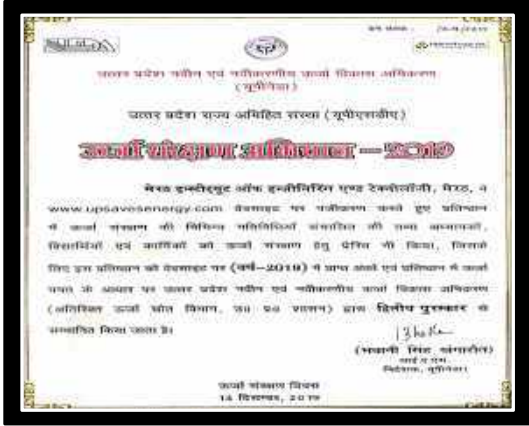
Career Opportunities After Mechanical Engineering



Career Opportunities After In Different Domain

- ❖ **Design and Development:** Involves creating new products, machinery, and systems. Engineers in this area use CAD (Computer-Aided Design) software and analytical tools to innovate and optimize designs.
- ❖ **Manufacturing and Production:** Focuses on improving manufacturing processes, ensuring efficiency, quality control, and cost-effectiveness in industries such as automotive, aerospace, and consumer goods.
- ❖ **Energy and Environmental Engineering:** Involves developing sustainable energy solutions, renewable energy technologies, and environmental conservation efforts.
- ❖ **Automotive Engineering:** Covers the design, manufacturing, and testing of vehicles and their components, including advancements in electric and autonomous vehicles.
- ❖ **Aerospace Engineering:** Involves designing and developing aircraft, spacecraft, satellites, and defense systems, with a focus on aerodynamics, propulsion, and materials.
- ❖ **Robotics and Automation:** Includes designing automated systems, industrial robots, and mechatronic systems used in manufacturing, healthcare, and logistics.
- ❖ **Research and Development:** Involves conducting research to innovate new technologies, improve existing processes, and solve complex engineering challenges.

Our Credentials



Characterization of PVA based Cross linked Composites (3 Lakh)

AI Based controlled environment tubular furnace (3 Lakh)



UP STATE ENERGY CONSERVATION AWARD: 2017, 2018, 2019, 2020

SERIES OF INTERNATIONAL CONFERENCE OF ADVANCED RESEARCH AND INNOVATION

CONSULTANCY (7.63 LAKH)

TEQIP-III, AKTU, Lucknow RESEARCH GRANT (6 LAKH)



STARTUP INCUBATED (3)

PRODUCT DEVELOPMENT (10)

SKILL CENTERS

100 % PLACEMENTS (2024)

Student's Achievements

S. No.	Session	Date	Short Details of the Achievement
1	2023-24	3,5-11-2023	Got 1st position in 30 Kg Robo war competition organised by IIT Patna
2	2023-24	31-10-2023	Got 1st position in 15 kg robo sumo organised by Jamia Hamdard University
3	2023-24	18-10-2023	Got 3rd Position in Drone flying competition by RKGIT, Ghaziabad
4	2023-24	14-10-2023	Got 3rd position in 30 Kg Robo war competition organised by IIT Dhanbad
5	2023-24	3-9-2023	Got 2nd position in 30 Kg Robo war competition organised by IIT Guwahati
6	2023-24	25,26-8-2023	Got 1st position in 30 Kg Robo war competition organised by IIT Delhi
7	2023-24	23-7-2023	Got 3rd position in InterNational 30 kg Robowar Competition organised by Technoxian World Robotics Championship, Noida
8	2022-23	14-4-2023	Got 2nd Position in Drone flying competition by JECRC College, Jaipur
9	2022-23	25,26-3-2023	Got 1st position in 30 Kg Robo war competition organised by IIT Roorkee
10	2022-23	10-12-2022	Got 1st position in Zonal Drone competition organised by AKTU



Project Expo
Miet, Meerut
4-06-2024



Robo War Competition
IIT, Ropar
14-10-2023



Technoxin world Robotic Championship
Noida
23-07-2023



Robo War Competition
IIT, Guwahati
03-09-2023



Robo War Competition
IIT, Patna
05-11-2023



Drone Flying Competition
RKGIT, Ghaziabad
18-10-2023

Student Achievements



**Technoxin world Robotic Championship, Noida
23-07-2023**



Wrist And Neck Band With Buzzer To Avoid Covid Virus



Robot For Automatic Surface Sanitization



Automotive Try Cycle



Ecokart



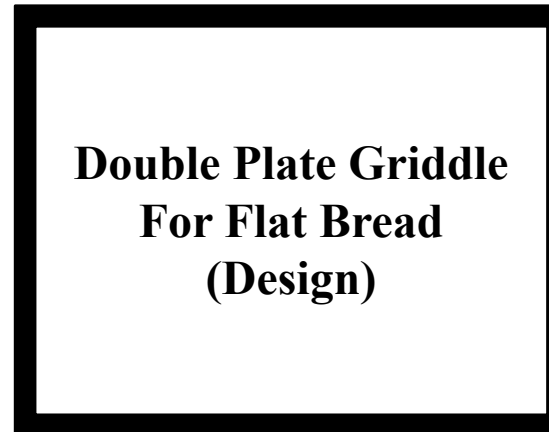
Robo War Competition Shri Mata Vishno Devi University(4-09-2023)



Go Kart (Sae Mini Baja)



Indian's First Bio Diesel Bike



**ACHARYA SHIROMANI
AWARD BY AKTU
LUCKNOW
PROF. Y M AGARWAL**

**YOUNG SCIENTIST
AWARD
DR. NAMAN JAIN**

**PATENTS: 17
PUBLISHED-10,
GRANTED-5, Applied-5**

**BEST PAPER
PRESENTATION AWARD
(3)**

**27 SCI
Papers
-
22 Scopus
Papers**

**Consultancy:7
Total amount:
763050**

**Co-Convener
AKTU-BOS-B
Tech (Mech):
Dr. Mayank
Garg**

**Member
AKTU-BOS-
B Tech
(Mech):
Dr. Brijesh
Singh**

**AKTU-BOS-
B Voc
Member:
Dr.
Shailendra
Kumar**



Dr Husain Mehdi was awarded Research excellence award by DTU in 2022, and 2023.

As decided in the DQAC meeting held on 27th July 2023, to fill the curriculum gaps following Industry Oriented Programme (IOP) are to be offered to the B. Tech. (Mechanical) Engineering students in the following manner for academic session **2023-24**. Advances in automobile will be covered through a short term training programmes in due course during even semester.

Class	IOP
B Tech Mechanical 3 rd Sem	Design and Modelling on Solid Edge-I
B Tech Mechanical 3 rd Sem	Basics of Industrial Automation-I
B Tech Mechanical 4 th Sem	Design and Modelling on Solid Edge-II
B Tech Mechanical 4 th Sem	Basics of Industrial Automation-II
B Tech Mechanical 5 th Sem	Advances in Industrial Automation-I
B Tech Mechanical 5 th Sem	Simulation and Analysis on ANSYS-I
B Tech Mechanical 6 th Sem	Advances in Industrial Automation-II
B Tech Mechanical 6 th Sem	Simulation and Analysis on ANSYS-II
B Tech Mechanical 6 th Sem	AWS
B Tech Mechanical 6 th Sem	Advanced Python

Alumni Speaks



Devansh Sharma

Company name: Intellipat
software solution

Being part of the Mechanical Engineering department from 2016 to 2020 was an enriching and life-changing experience. The unwavering guidance of the faculty and the comprehensive curriculum helped me develop both technical expertise and managerial skills while instilling a strong sense of discipline. The collaborative learning environment, paired with state-of-the-art facilities, encouraged critical thinking and innovation. I am truly thankful for the all-encompassing education that laid the groundwork for my professional accomplishments. Proud to be an alumnus of this distinguished institution.

My time in the Mechanical Engineering department from 2015 to 2019 was a truly transformative chapter of my life. The exceptional faculty and advanced curriculum provided me with in-depth technical knowledge while enhancing my analytical and problem-solving abilities. The strong bonds formed with classmates and the wide range of extracurricular activities added immense value to my college experience. I am deeply thankful for the holistic education and supportive environment that have been instrumental in shaping my success.



Sonu Rathi

Company: Tata Steel

Alumni Speaks



Saurabh Saini
Assistant Professor
IIM Sambalpur

Being a part of the Mechanical Engineering department from 2006-2010 was a transformative journey. The faculty's unwavering support and the well-rounded curriculum not only equipped me with technical and managerial prowess but also instilled a strong sense of discipline. The collaborative learning environment and cutting-edge facilities fostered critical thinking. I am grateful for the holistic education that has been the bedrock of my professional success. Proud to be an alumnus of this esteemed institution.

I am immensely grateful for the transformative journey I experienced during my time in the Mechanical Engineering department from 2015 to 2019. The dedicated faculty and cutting-edge curriculum not only equipped me with profound technical knowledge but also nurtured my analytical and problem-solving skills. The camaraderie among classmates and the myriad of extracurricular opportunities enriched my college life. I owe my success to the holistic education and supportive environment at our esteemed institution.



Ayush Gupta
Tata Steel

Alumni Speaks



Praveen Kumar

Company: Quality Tutorials
Private Limited (Lido)

Being part of the Mechanical Engineering department from 2016 to 2020 was a truly transformative experience. The dedicated faculty and comprehensive curriculum not only honed my technical and managerial skills but also instilled a deep sense of discipline. The collaborative atmosphere and state-of-the-art facilities encouraged critical thinking and innovation. I am deeply thankful for the well-rounded education that laid the foundation for my professional achievements. Proud to call myself an alumnus of this prestigious institution

It was a privilege to be part of the Mechanical Engineering department from 2018 to 2022, a time that profoundly shaped me. The unwavering commitment of the faculty and the advanced curriculum provided me with in-depth technical expertise while fostering analytical and problem-solving abilities. The bond shared with peers and the variety of extracurricular activities made my college journey truly memorable. I am deeply thankful for the comprehensive education and the nurturing atmosphere of this prestigious institution, which laid the foundation for my success.



Kashif Abbas Zaidi

Company: Tally Solutions

Alumni Speaks



Anurag Mishra
Client Services

I express sincere gratitude for the transformative journey during 2012-2016 my tenure at this esteemed institution. The unwavering commitment of the Mechanical Engineering department to academic excellence and practical learning has endowed me with indispensable skills and knowledge for success. The supportive faculty, cutting-edge facilities, and vibrant campus community have etched indelible memories in my college experience. I proudly attribute my professional achievements to the robust foundation established during my time here. Thank you for fostering an environment that not only nurtures growth but also encourages innovation.

Mechanical Engineering Department



Faculties Of Mechanical Engineering Department

S.No.	Faculty Name	Designation
1	Dr. Vipin Kumar Sharma	Professor
2	Dr. Piyush Gupta	Professor
3	Dr. Husain Mehdi	Asso. Professor
4	Dr. Piyush Aggarwal	Asst. Professor
5	Mr. Rahul Sharma	Asst. Professor
6	Mr. Mustafa Saify	Asst. Professor
7	Mr. Gaurang Deep Agarwal	Asst. Professor
8	Mr. Ajay Kumar	Asst. Professor
9	Mr. Rajesh Patel	Asst. Professor
10	Mr. Shallender Bhati	Asst. Professor
11	Mr. Indrajit Kumar	Asst. Professor
12	Mr. Anuj Kumar	Asst. Professor
13	Mr. Himanshu	Asst. Professor
14	Mr. Arvind Pandit	Asst. Professor
15	Mr. Ravi Kumar	Asst. Professor
16	Mr. Sudhanshu Pandey	Asst. Professor
17	Mr. Piyush Gaur	Asst. Professor
18	Mr. Rupesh Kumar Tripathi	Asst. Professor