



# **Mechanical Engineering Department**

**of**

# **Netaji Subhash Engineering College (NSEC)**

# **Why Mechanical Engineering ?**

- **Combines creativity, knowledge and analytical tools in shaping an idea into reality.**
- **Mechanical Engineering is the backbone of Industry 4.0 or automation.**
- **Enriched with variety of skills and proficiency across various cross-functional domains.**
- **Varied curriculum and practical learning enhances for a wide range of job opportunities.**
- **World cannot proceed without competent Mechanical Engineers.**
- **Automobile Industry, Aerospace Industry, Defense sectors, Railways, Bio-medical Sector, Power Plants and the modern Manufacturing sectors are starving for competent Mechanical Engineers.**
- **Robotics and Mechatronics and interdisciplinary studies are real need of Mechanical Engineers.**

# Job Prospects of Mechanical Engineering

- **Automotive industry:** Automobiles and their components are designed, developed, and manufactured with the help of mechanical engineers. They focus on things like suspension systems, vehicle dynamics, engine design, and fuel efficiency.
- **Aerospace industry:** Aircraft, spacecraft, and related systems are designed and produced with the help of mechanical engineers. They might work on areas like propulsion systems, structural analysis, aerodynamics, and materials science.





# Job Prospects of Mechanical Engineering

- **Energy sector:** Energy systems and technologies are being developed by mechanical engineers. They work on areas like HVAC systems, power generation, renewable energy systems, and energy-efficient design.
- **Manufacturing industry:** Mechanical Engineers work in fields including Manufacturing, Automation, Robotics, and Advanced Manufacturing Techniques.





# Job Prospects of Mechanical Engineering

- **Oil and gas industry:** Mechanical engineers play a crucial role in the exploration, extraction, and processing of oil and gas resources. They work on the fields such as drilling systems, pipeline design, and equipment maintenance.
- **Consulting and engineering services:** Mechanical Engineers have expertise in various fields, including product design, system analysis, feasibility studies, and project management.





# Job Prospects of Mechanical Engineering

## Government Jobs For Mechanical Engineers:

- Indian Railways,
- Bhabha Atomic Research Centre (BARC),
- Defence Research and Development Organisation (DRDO),
- National Hydro Electric Power Corporation Private Limited,
- Indian Space Research Organisation (ISRO)
- Indian Defence Service
- Union Public Service Commission (for Indian Administrative
- Service, Indian Engineering Service Indian Police Service, Indian
- Foreign Service, Indian Civil Accounts Service.)



# Job Prospects of Mechanical Engineering

## Indian central Public Sector

- **Steel Authority of India Limited Author (SAIL),**
- **National Thermal Power Corporation Limited (NTPC),**
- **Bharat Petroleum Corporation Limited (BPCL),**
- **The Oil and Natural Gas Corporation Limited (ONGC),**
- **Coal India Limited,**
- **Bharat Electronics Limited (BEL),**
- **Bharat Heavy Electricals Limited (BHEL),**
- **GAIL (India) Ltd,**
- **Container Corporation of India Limited (CONCOR),**
- **Indian Oil Corporation Limited (IOCL)**

# Job Prospects of Mechanical Engineering

## Private Sector Companies

**Accenture**



**Infosys**



**Xenonstack**



**Cognizant**



**Qualicom Solutions  
Pvt. Ltd**



**Wipro**



**NF Forgings Pvt. Ltd**



**Capgemini**





# Job Prospects of Mechanical Engineering

## Private Sector Companies

**Reliance Industries  
Limited**



**Pinnacle Infotech**



**Tata Motors Limited**



**ITC Ltd**



**Larsen & Toubro Ltd**



**Hindustan Unilever Ltd**



**Titagarh Wagons Limited**



**Tata Consultancy  
Services Ltd**







# ALUMNI of Mechanical Engineering Department in NSEC



Mechanical Engineering  
Department

**Sk. Wahiul  
Islam**  
(2014-2018)

*Operations Officer,  
Hindustan Petroleum  
Corporation Ltd.*



Mechanical Engineering  
Department



**Lt. Bishal  
Singh**  
(2015-2019)  
*Indian Army*



Mechanical Engineering  
Department

**Chandan  
Kumar Jha**  
(2012-2016)

*Scientific Officer,  
Atomic Energy  
Regulatory Board, Govt.  
of India*



Mechanical Engineering  
Department

**Avishek  
Pahari**  
(2014-2018)

*National Institute of  
Bank Management,  
Doha Qatar*



Mechanical Engineering  
Department

**Asmita  
Mukherjee**  
(2014-2018)

*SAP EWM Consultant,  
Borders Consulting  
Group,  
Flevoland, Netherlands*



Mechanical Engineering  
Department

**Ishan Das**  
(2015-2019)  
*QA Automation  
Engineer  
TCS*



Mechanical Engineering  
Department

**Arkadeep  
Kar**  
(2014-2018)  
*Sales Officer,  
Asian Paints*



Mechanical Engineering  
Department

**Soumik Roy**  
(2014-2018)

*SAP EWM Consultant,  
Borders Consulting  
Group,  
Flevoland, Netherlands*








# ALUMNI of Mechanical Engineering Department in NSEC

  Mechanical Engineering  
Department

**Souradeep  
Mitra**  
(2012-2016)  
*Team Lead, Accenture*


**accenture**



  Mechanical Engineering  
Department

**Dr. Rohit  
Gupta**  
(2012-2016)  
*Royal Society London -  
Newton Fellow*



  Mechanical Engineering  
Department

**Suryadeb  
Malik**  
(2012-2016)  
*M.S., Ecole Nationale  
Supérieure de Mécanique et  
d'Aérotechnique (ISAE -  
ENSMA)*



  Mechanical Engineering  
Department

**Sankhadeep  
Ghosh**  
(2012-2016)  
*Deputy Manager,  
Automotive Trims Design  
and Development,  
Maruti Suzuki India  
Limited, Gurgaon*



  Mechanical Engineering  
Department

**Dr. Suraj Kumar**  
(2012-2016)  
*Post Doctoral Fellow,  
IIT Delhi*



  Mechanical Engineering  
Department

**Kaushik Ghosh**  
(2012-2016)  
*Shyam Steel Industries  
Limited*



  Mechanical Engineering  
Department

**Sagnik Paul**  
(2013-2017)  
*Senior Application  
Engineer,  
Ador Frontech Ltd.*



  Mechanical Engineering  
Department

**Aditya  
Chakraborty**  
(2013-2017)  
*Deputy Manager,  
Ramco Cements Limited*



  Mechanical Engineering  
Department

**Mohammad  
Mobasshir**  
(2012-2016)  
*Program Manager,  
Cleartrip*



  Mechanical Engineering  
Department

**Shivam Dey**  
(2012-2016)  
*Associate, Solution  
Engineering,  
Oracle EBS*







# ALUMNI of Mechanical Engineering Department in NSEC

  Mechanical Engineering  
Department

**Prasenjit Mandal**  
(2012-2016)  
*Regional Sales Manager,  
Ozone Group*



  Mechanical Engineering  
Department


**Amanullah Mohammed**  
(2012-2016)  
*R & D Engineer,  
Dassault Systems*




  Mechanical Engineering  
Department

**Kumar Nishant  
Ranjan Sinha**  
(2012-2016)  
*Post Doctoral Research  
Associate,  
TU Darmstadt,  
Germany*




  Mechanical Engineering  
Department





**Debasish Banik**  
(2013-2017)  
*Senior Analyst,  
Ipsos MMA*


  Mechanical Engineering  
Department

**Dr. Indranil Roy**  
(2013-2017)  
*Post Doctoral Fellow,  
ORNL, USA*



  Mechanical Engineering  
Department

**Sankhadeep Bose**  
(2013-2017)  
*Masters in  
Nanotechnology,  
Vellore Institute of  
Technology*



  Mechanical Engineering  
Department





**Subrata Ghos**  
(2013-2017)  
*Quality Control Inspect  
Andrej Yule and Compe  
Ltd.*


  Mechanical Engineering  
Department

**Arik Mitra**  
(2014-2018)  
*RPA-AI Consultant,  
Atos*



  Mechanical Engineering  
Department

**Kousik Senapati**  
(2013-2017)  
*NCCRD,  
IIT Madras*







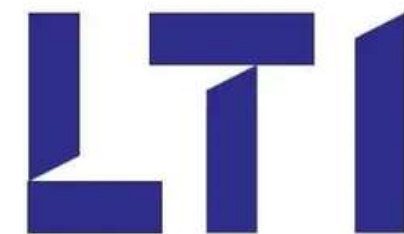
# Netaji Subhash Engineering College

## Mechanical Engineering Department

### Job Offers (2022-2023)



Cognizant





# Netaji Subhash Engineering College

## Mechanical Engineering Department

### Job Offers (2021-2022)



XENONSTACK



Cognizant



Infosys®

accenture

Capgemini



TATA  
CONSULTANCY  
SERVICES

tcs


LTI

Larsen & Toubro  
Group Company





# Some Placed students of 2022-23



**Suvasish Dey**  
Mechanical Engineering Department  
2019-2023 Batch

Placed in  
**TITAGARH**  
**DTDC**  
Delivering Value

PACKAGE: 4.5 LPA 4.2 LPA



**SATYAJIT MAHATO**  
MECHANICAL ENGINEERING DEPARTMENT  
(2019-2023 BATCH)

PLACED IN  
**TITAGARH**


PACKAGE: 4.5 LPA



**Sandeep Kumar Mandal**  
2023 batch

Placed In  
**SHRIRAM**  
automall  
THE POWER OF CHOICE

Package: 3.25 LPA



**Kinjol Roy**  
2023 batch

MECHANICAL ENGINEERING DEPARTMENT

**cognizant**

PACKAGE: 4LPA



**Rahul Kumar Das**  
Mechanical Engineering Department  
2019-2023 BATCH

PLACED IN  
**TITAGARH**

PACKAGE: 4.5 LPA



**Meezan Alam Khan**  
Mechanical Engineering Department (2022 batch)

Placed In  
**Pinnacle Infotech**

PACKAGE 3 LPA



**Anindita Taran**  
Mechanical Engineering Department (2023 batch)

**ADITYA BIRLA**  
FASHION & RETAIL

**Aditya Birla Fashion and Retail Limited**

Package: 5 LPA



**Adnan Ahmed**

Placed In  
**LTI**  
Let's Solve

Package  
**6.5 LPA**

Mechanical Engineering Department (2023 batch)



# Some Placed students of 2022-23



**HARSHIT**  
Mechanical Engineering Department  
(2019-2023 Batch)

PLACED IN

 cognizant

PACKAGE

**4 LPA**

Harshit is a student of the Mechanical Engineering Department, 2019-2023 Batch, who has been placed with Cognizant at a package of 4 LPA. The card features a red background with a blue circular portrait of Harshit.



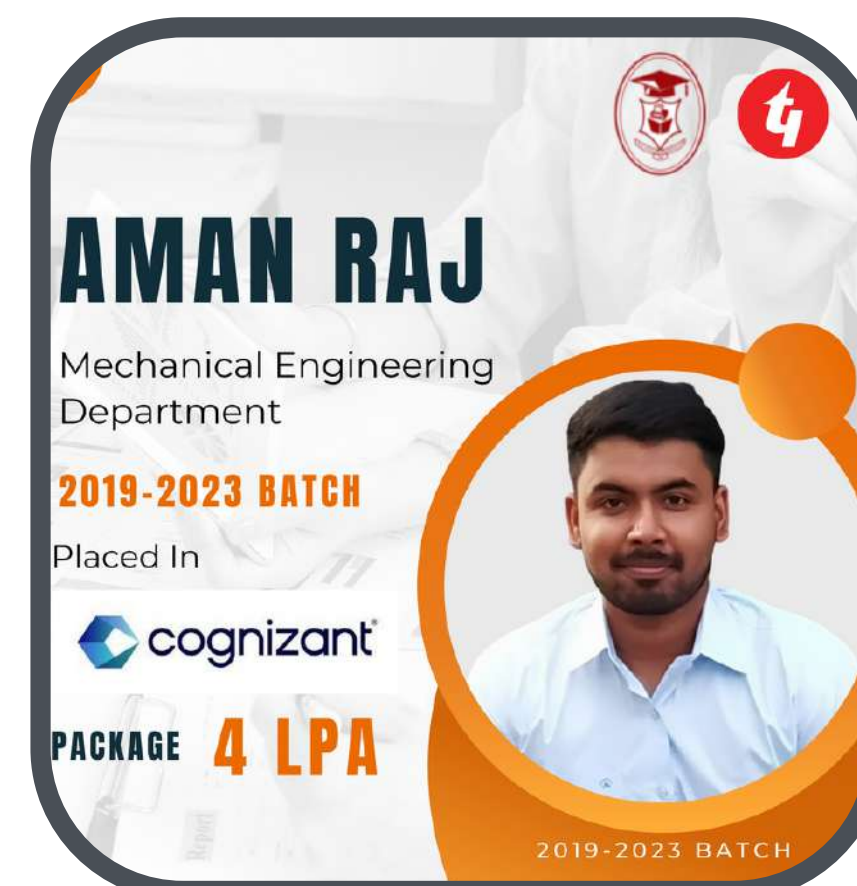
**Ankit Chakraborty**  
Mechanical Engineering Department  
2019-23 BATCH

PLACED IN

 LECHLER


PACKAGE: 5.5 LPA

Ankit Chakraborty is a student of the Mechanical Engineering Department, 2019-23 Batch, who has been placed with Lechler at a package of 5.5 LPA. The card features a white background with a blue circular portrait of Ankit.



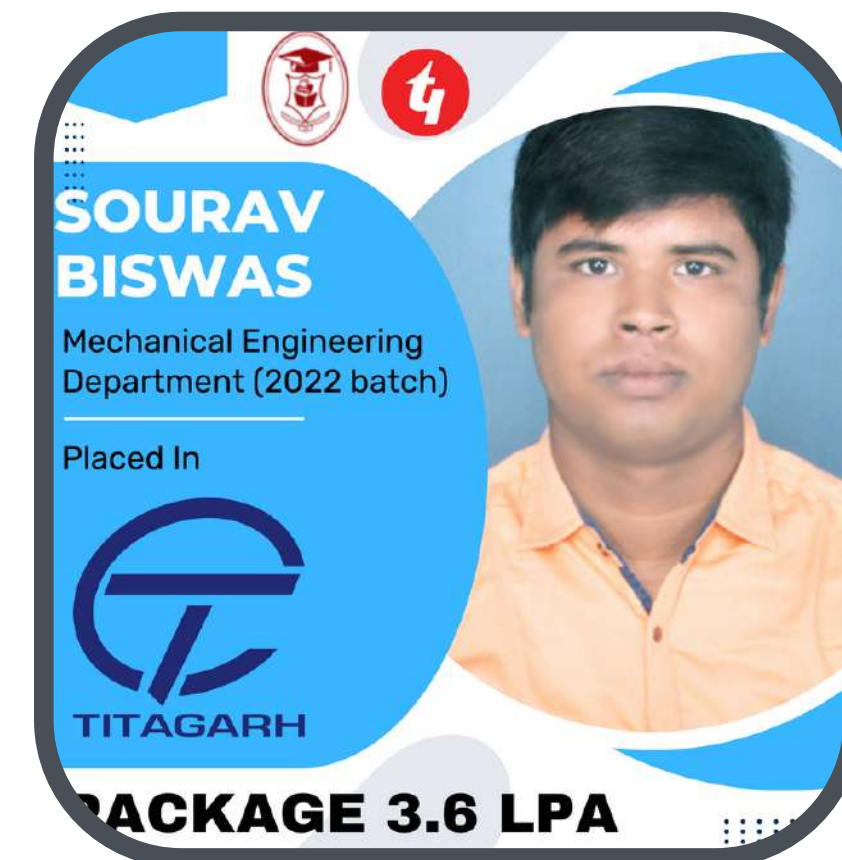
**AMAN RAJ**  
Mechanical Engineering Department  
2019-2023 BATCH

Placed In

 cognizant


PACKAGE **4 LPA**

Aman Raj is a student of the Mechanical Engineering Department, 2019-2023 Batch, who has been placed with Cognizant at a package of 4 LPA. The card features a white background with an orange circular portrait of Aman.



**SOURAV BISWAS**  
Mechanical Engineering Department (2022 batch)

Placed In

 TITAGARH

PACKAGE **3.6 LPA**

Sourav Biswas is a student of the Mechanical Engineering Department, 2022 batch, who has been placed with Titagarh at a package of 3.6 LPA. The card features a blue background with a blue circular portrait of Sourav.



**Priyebrath Sharma**  
Mechanical Engineering Department (2022 batch)

 XENONSTACK

PACKAGE **4.5 LPA**

Priyebrath Sharma is a student of the Mechanical Engineering Department, 2022 batch, who has been placed with Xenonstack at a package of 4.5 LPA. The card features a white background with a blue circular portrait of Priyebrath.



**ANKUR KUMAR**  
Mechanical Engineering Department  
(2018- 2022 batch)

PLACED IN

 tcs

PACKAGE **7 LPA**

Ankur Kumar is a student of the Mechanical Engineering Department, 2018-2022 batch, who has been placed with TCS at a package of 7 LPA. The card features a purple background with a white circular portrait of Ankur.



**SOURADIP BAKLI**  
Mechanical Engineering Department (2023 batch)

 ADITYA BIRLA  
FASHION & RETAIL

Aditya Birla Fashion and Retail Limited

PACKAGE: **5 LPA**

Souradip Bakli is a student of the Mechanical Engineering Department, 2023 batch, who has been placed with Aditya Birla Fashion and Retail Limited at a package of 5 LPA. The card features a white background with an orange and blue geometric design and a portrait of Souradip.





# **Strength of Mechanical Engineering Department in NSEC**

- **A perfect blend of highly qualified and industry experienced faculties (4 PhD holders & 6 pursuing PhD).**
- **Qualified, experienced and student-friendly technical assistants who make sure that every student is properly accustomed to the machines, experiments and engineering graphics.**
- **Well-equipped Mechanical Workshop and laboratory set up is one of the basic strengths of the department which is catering to regular classes and varieties of student projects.**
- **Consistently increasing number of students' placement in reputed core sector as well as in IT sector.**
- **The infrastructure and academic experience here making students ready for higher studies and research careers in india and abroad**



# **Strength of Mechanical Engineering Department in NSEC**

- **Glittering alumni in leading multinational/Government organizations in core and IT sectors and in Indian and foreign universities as researchers and faculties.**
- **The department offers several Value-Addition trainings which are designed to bridge the gap between the academia and industry. These include CREO, AutoCAD, Solid Works, ANSYS, Advanced Excel, Advanced Welding etc.**
- **A sustained training in personality development, soft skill and general & mathematical aptitude to increase employability.**
- **The department possesses some of the best lab facilities such as CNC Lab, Applied Mechanics Lab, Mechanical Workshop, Casting and Foundry Lab, Applied Thermodynamics Lab, Heat Transfer Lab, Fluid Mechanics & Machines Lab, Dynamics of Machines Lab, Metrology & Measurement lab, AutoCAD lab, Graphics lab, etc.**





# **Strength of Mechanical Engineering Department in NSEC**

- **Industrial visits for students from 5th semester onwards to enlighten them with the modern developments of the industries.**
- **Organizing regular webinars where industrial experts keep the students updated about the latest developments around the world.**





# Well equipped Mechanical Workshop







# Well equipped Mechanical Workshop







# Well equipped Mechanical Workshop








# Mechanical Drawing Room



 GPS Map Camera

**Kolkata, West Bengal, India**

FCG7+HWJ, Mauza Ranabhutia, Techno City, Kolkata,  
West Bengal 700152, India

Lat 22.476575°

Long 88.414913°

25/05/23 02:06 PM GMT +05:30







# AutoCAD Lab







# Fluid Mechanics lab







# Manufacturing Lab





# Manufacturing Lab







# Advanced Manufacturing Lab







# Advance Manufacturing Lab







# Applied Mechanics Lab







# Applied Mechanics Lab





# Heat Transfer Lab



REDMI NOTE 5 PRO





# Heat Transfer Lab





# Dynamics of Machine Lab







# Dynamics of Machine Lab







# I. C. Engine Lab





**Thank you**