

DEPARTMENT OF MECHANICAL ENGINEERING NEWSLETTER, Volume 1 Issue 1 2023-24



**UTKALMANI GOPABANDHU INSTITUTE OF
ENGINEERING, ROURKELA-769004**

INERTIA

Department of Mechanical Engineering in a nutshell...

Department of Mechanical Engineering of UGIE Rourkela is a pioneer branch which started its journey in the year 1964 with an intake capacity of 15. To meet the demands of the industry the intake capacity was enhanced to 90 till now. Since, then the department have evolved with meritorious students and eminent faculties by facing challenges for producing highly qualified, well rounded and motivated engineers who can meet new technical challenges, contribute effectively as team members and be innovators in the current era.

The students are involved in every field like academics, sports, technical events and other co-curricular and have emerged as victorious carrying the legacy of the alumnis a step forward. Since, Rourkela is situated in industrial belt with prestigious industries like RSP, L&T and other small and medium scale industries, our branch have always been in demand and so are our students. Moreover, our institute and particularly our department has been always supported by NIT Rourkela, BPUT, ITI Rourkela and other industries enabling us to achieve even further both academically and technically. This department has a glorious past with a wide range of personalities known today as its alumnis who make us proud as an UGIEian.

Vision

To become a hub of producing technically skilled and socially responsible mechanical engineers to meet the ever-changing needs of industries and the development of society.

Mission

- To provide strong theoretical-practical engineering foundations through effective teaching learning methodologies.
- Facilitating the students to explore the latest technological developments to keep pace with national and global standards.
- To inculcate the required high level of soft skills, ethical values, and self-learning ability in students to excel in the profession.



Semester Toppers



6th Sem,
Dinika Minz



4thsem
Baldev Prasad



2ndsem
Taslima Nasreen

ACADEMIC RESULTS OF 2023-24 Summer Batch

	2 nd sem	4 th sem	6 th sem
No. of students passed	55	88	79

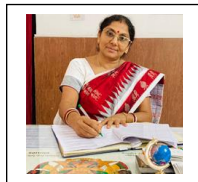
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PEOs:-

- To empower the students with knowledge of Mechanical Engineering and domain skill.
- To gain employment in both public and private sector organizations.
- To imbibe Mechanical engineering-related technical and aptitude skills to offer the best solution to industrial and societal problems.
- To motivate students to pursue higher education for more employment benefits and career enhancement.
- To provide a platform to initiate entrepreneurial activities for improving the standard of living in society.

-:PSOs:-

- Utilize the skill to operate mechanical equipment and produce quality products in production/manufacturing industry.
- To acquire knowledge and get employment opportunities in public/private sector organisations/industry.

Principal's message



It gives me immense pleasure to invite aspiring students who are keen to make a best career in technical field as a good technocrat. The diploma holders play a very important role in the industrial and economic development of the country. They develop and master specialized skills in the chosen areas and provide much needed support in any engineering establishment. Also, the students having diploma in engineering provides support services in various other sectors of economy, including service sector. The evolution of the institute over the past two and half decades has witnessed strong blend of state-of-the-art infrastructure and intricately intertwined human resource committed to providing professional education with trust on creativity and innovation. Here at UGIE, we are imparting skills and knowledge to our students in the best possible manner to make them dream big and fulfill the same. It is rightly said that a dream becomes a goal when the action is taken towards its fulfilment, and we are committed to providing optimistic, independent, compassionate, life-long learners and leaders who will bring glory to the institute, state and the nation. We at UGIE take every care to fulfil the hopes and aspirations of all students by providing them with the best physical and academic infrastructure needed to make them competent technical professionals. Our outstanding faculty adds value to our best endeavor to provide technical knowledge to our students in the interest of all the stakeholders in the country. I take this opportunity to acknowledge the extreme hard work put in by our dedicated staff, by working round-the-clock to keep our college at the zenith of success.

From HOD's desk...



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The Department of Mechanical Engineering is an asset to UGIE, Rourkela. It is one of the premier branches of Engineering in the modern era of Technology. It is a reputed branch with wide range of job opportunities. This department aims to make available trained and technically qualified hands to serve industry and society. Faculties are working hard to improve the quality of education. The department organizes workshops, expert lectures, seminars, industrial visits and extracurricular activities from time to time to provide students and facilities for interacting with peers for better knowledge from across the country. The students are well equipped with technology and a balanced personality which will prove to be an invaluable asset to an organization.

From the chief editor

Dear Readers,

I express my heartfelt gratitude and excitement to share with you the latest edition of our mechanical engineering newsletter. In this issue, we have highlighted insightful articles, achievements, awards and recognition.

I hope you enjoy reading this issue as much as we enjoyed putting it together. Your feedback and suggestions are always welcome.

PLACEMENT

Utkalmani Gopabandhu Institute of Engineering is always appreciated for its placement statistics. The Institute is a pioneer in placement and infrastructure in Odisha among the Polytechnics. Mechanical Engineering department being a department fully equipped with all laboratory facilities as prescribed according to the curriculum and well trained and qualified faculties who are always ready to train and enhance the skill set. Around 35 students got placed in reputed companies like JSL, Jajpur, HINDAL Co., Paradeep Phosphates Limited, TATA Power in the current session.

Sl.No.	Name of Company	No. of students placed
01	HINDAL Co.	19
02	JSL	10
03	PARADEEP PHOSPHATES LIMITED	05
04	TATA POWER	03

ExpertTalk



A seminar was organized on 26/10/2024 for Mechanical Engineering students on Plastic Processing and its Waste Management by CIPET, which expanded the students knowledge about a further on emerging technologies.

ADDONCOURSE



Students have registered and have successfully done various add on courses through Coursera which provides a person with 6000+ courses and also with doing online projects in a wide range of topics to enhance skill.

AlumniTalk



The alumnis of our branch have been placed all the country and are making us proud by excelling in every field. They even guide our students with their work experience and knowledge to thrive in industry.

STUDY VISIT

A study visit was organized to Cast Profiles Pvt. Ltd., Kalunga for 5thsem Mechanical Engineering students on 2nd December,2024 which served as a great source of practical knowledge in CNC machines and operations like casting, gas cutting, finishing etc.



SPORTS AND CULTURAL EVENTS

Mechanical Engineering department students have won the maximum number of prizes in college sports, athletics and cultural events both in solo and in group events.



FTBI

A start up boot camp was organized by FTBI, NIT Rourkela in which our students were awarded for their creative ideas.



OUR PRIDE

3 nos. of Mechanical engineering girls namely Jharana Naik, Sohani Rani Khanam and Sushanti Toppo bagged champions trophy in R.C Maheshwari Memorial the Open National Kabaddi tournament held at Ajmer, Rajasthan held in Dec,2024.



SOCIAL ACTIVITY



Blood donation camp on the eve of 62 years of UGIE



National Pollution Prevention day celebrated on 02/12/2024



International Yoga Day celebrated on June 21st, 2024



World Youth Skill Day celebrated on 15/07/2024

Moreover, other events like International Day of Peace on 21/09/2024, Udaymita Divas/Entrepreneurship Day was celebrated on 31/08/2024 etc.



Plantation drive and Swachhata divas celebrated on 28/09/2024