

# YAANTRIX

AN OFFICIAL NEWSLETTER PUBLISHED BY  
MECHANICAL ENGINEERING DEPARTMENT

## VISION

"To produce industry ready engineers and researchers with excellent theoretical and practical knowledge by providing quality education to the under privileged sections of the society of the state and nation."

## MISSION

- To develop a state-of-the-art computational and experimental facilities for teaching, research and consultancy services for industries and society.
- To produce high quality undergraduates in mechanical engineering through good academic support qualities.
- To provide an environment conducive to innovation a relativity, group work and entrepreneurial leadership by imparting training and coaching programmes in relevant skill development courses.
- To develop and serve practicing engineers, industry, government, educational and technical societies through consultancy work by providing professional expertise.
- To develop a system for effective interactions among industries, academia, alumni and other stake holders.
- To cultivate a friendly, supportive and competitive academic environment to extract the best contributions from students, faculty and staff members.

### MAIN FEATURES

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# ABOUT THE DEPARTMENT

The department of Mechanical Engineering was introduced in the college in the year 2016 with an initial intake capacity of 60 students. Currently, the department has a strength of eight Assistant Professors, one workshop superintendent, one laboratory supervisor and four laboratory and workshop staff to assist and support 240+ B.E. undergraduate students. The department is continuously and gradually strengthening its infrastructures including laboratories, workshops and other facilities. The department comprises of about nine laboratories and one workshop equipped with sophisticated instruments. The department is continuously striving to achieve excellence in education, academic and industry oriented research as well as consultancy services to the society. We are hopeful that, our students will be able to serve the various needs of the society by blending intellectual and practical experiences gained from the institute. Academic course work and projects are designed to endow students with the ability to apply their knowledge effectively for solving multidisciplinary problems.

## MESSAGE FROM HOD

“I am happy to inform that Department of Mechanical Engineering JIST is publishing its fourth issue of the Departmental Newsletter (Yaantrix). The Newsletter is a reflection of the cumulative effort of faculties, students, alumnus and other stake-holders in portraying and bringing out the ethos of the Department. It is really a pride for all of us and I on behalf of this platform request the entire Mechanical Engineering community to come forward and be associated with us. I cordially appreciate the combined effort of the Editorial Team as a whole in bringing out this issue for our esteemed readers.”



**Nayanjyoti Talukdar**  
**Head of Department**  
**Mechanical Engineering**  
**JIST, Jorhat - 10**

# DEPARTMENTAL ACTIVITIES

- Third issue of Newsletter entitled "Yaantrix" of Mechanical Engineering Department, Jorhat Institute of Science and Technology was published on August, 2022.
- Department has organized a farewell function for the passed out batch (2018-2022 batch) on 2nd July, 2022.
- An Industrial Visit was organized to ONGC Borholla on 23rd and 24th August for 6th and 4th semester students respectively.

# FACULTY ACTIVITIES

- Nayan Jyoti Talukdar was Involved in CEE and JLEE counseling, 2022 as verifying officer at institute level.
- Dr. Borad M. Barkachary has undergone 12 weeks NPTEL Certification courses (Swayam) and NPTEL-AICTE Faculty Development Programs on “Production Technology: Theory and Practice”, “Manufacturing Systems Technology I & II” and “Automation in Manufacturing” offered by NPTEL from 25th July to 14th October, 2022.
- Dr. Borad M. Barkachary has participated in Two Weeks Online Faculty Development Program on “MATLAB Programming” from 22nd August to 02nd September, 2022 jointly organized by the Electronics and ICT Academies at MNIT Jaipur, NIT Patna and PDPM IIITDM Jabalpur.
- Dr. Borad M. Barkachary has attended One Week Online Faculty Development Programme Faculty Development Programme through ICT Mode on “National Education Policy (NEP 2020) reforms in Higher Education” organised by National Institute of Technical Teachers’ Training and Research (NITTTR) Kolkata from 26th September to 30th September, 2022.
- Dr. Borad M. Barkachary was appointed as Centre Exam Superintendent, Polytechnic Admission Test 2022 held on 24th July, 2022 at Jorhat Institute of Science and Technology.
- Dr. Mridul Deka has successfully completed One Week Faculty Development Programme through ICT Mode on National Education Policy (NEP 2020)Reforms in Higher Education organised by this Institute from 26th September to 30th September, 2022.
- Dr. Mridul Deka was Involved in CEE and JLEE counseling, 2022 as verifying officer at institute level.
- Menonjyoti Kalita appointed as Assistant Officer In charge, for written examination of recruitment of Class III and Class IV under State Level Recruitment Commission held in July 2022.

# FACULTY ACTIVITIES

- Menonjyoti Kalita has participated in Two Weeks Online Faculty Development Program on “MATLAB Programming” from 22nd August to 02nd September, 2022 jointly organized by the Electronics and ICT Academies at MNIT Jaipur, NIT Patna and PDPM IIITDM Jabalpur.
- Menonjyoti Kalita has attended Professional Development Programme on implementation of NEP 2020 for University and College Teachers’ organised by Staff Training and Research Institute, New Delhi from 9th September to 17th September, 2022.
- Menonjyoti Kalita has participated in Two Weeks Online Faculty Development Program on “Additive Manufacturing and 3D Printing” from 18th July to 29th July 2022 jointly organized by the Electronics and ICT Academies at MNIT Jaipur, NIT Patna and PDPM IIITDM Jabalpur.
- Menonjyoti Kalita appointed as Mentor Faculty for Industrial visit to installation site of ONGC, Borholla, Assam organized on 23rd and 24th August 2022 under Azadi Ka Amrit Mahotsav.

# STUDENT ACTIVITIES

- Hridoy Ranjan Das, student of 7th semester attended an online lecture on "Innovation in Orthopaedics-Biomechanical problems" organized by the Department of Mechanical Engineering, National Institute of Technology Silchar, under the aegis of Institution's Innovation Council.
- Jyotish Janak Buragohain, student of 7th semester attended a workshop at NFR Dibrugarh.
- Dhruba Jyoti Saikia, student of 5th semester completed a certificate course on Digital Marketing.
- Dhruba Jyoti Saikia, student of 5th semester attended a workshop on CNC at TRTC.
- Abhishek Paul, student of 5th semester completed a course on Integrated CAD using CATIA.
- Abhishek Paul, student of 5th semester completed a course on Fundamentals of Electromagnetics EMF-2022 by National Institute of Technology Silchar (India).
- Jigyasa Sharma, student of 3rd semester completed a course on Machine learning from basic to advanced on Udemy.
- Jigyasa Sharma, student of 3rd semester attended a webinar on Careers in U.S. after masters in STEM.
- Jigyasa Sharma, student of 3rd semester attended a conference on Networking tips and skills as an international student/expat.

# ALUMNI SECTION

- Dhyanaditya Baruah, an alumnus of 2017-2021 batch got admitted in Master of Design at National institute of Design.
- Shekhar Sharma, an alumnus of 2017-2021 batch qualified GATE 2021 and got Mtech admission in NIT Rourkela (2021-2023).
- Amlan Saikia, an alumnus of 2017-2021 batch got placed at SuperBeings.Ai as a Software Development Engineer-1.
- Ashimjyoti Chutia, an alumnus of 2018-2022 batch got M.Tech admission in NIT,Silchar.



# PHOTO GALLERY



# PHOTO GALLERY



# EDITORIAL BOARD

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