

Paantrix

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 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

- # *Vision & Mission*
- # *About the Department*
- # *Words From HOD*
- # *Blessings*
- # *Departmental Activities*
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- # *Student Activities*
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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.

SUCCESS IS NO ACCIDENT.

It is hard work, perseverance, learning, studying, sacrifice and most of all, LOVE of what you are doing.

~Pele

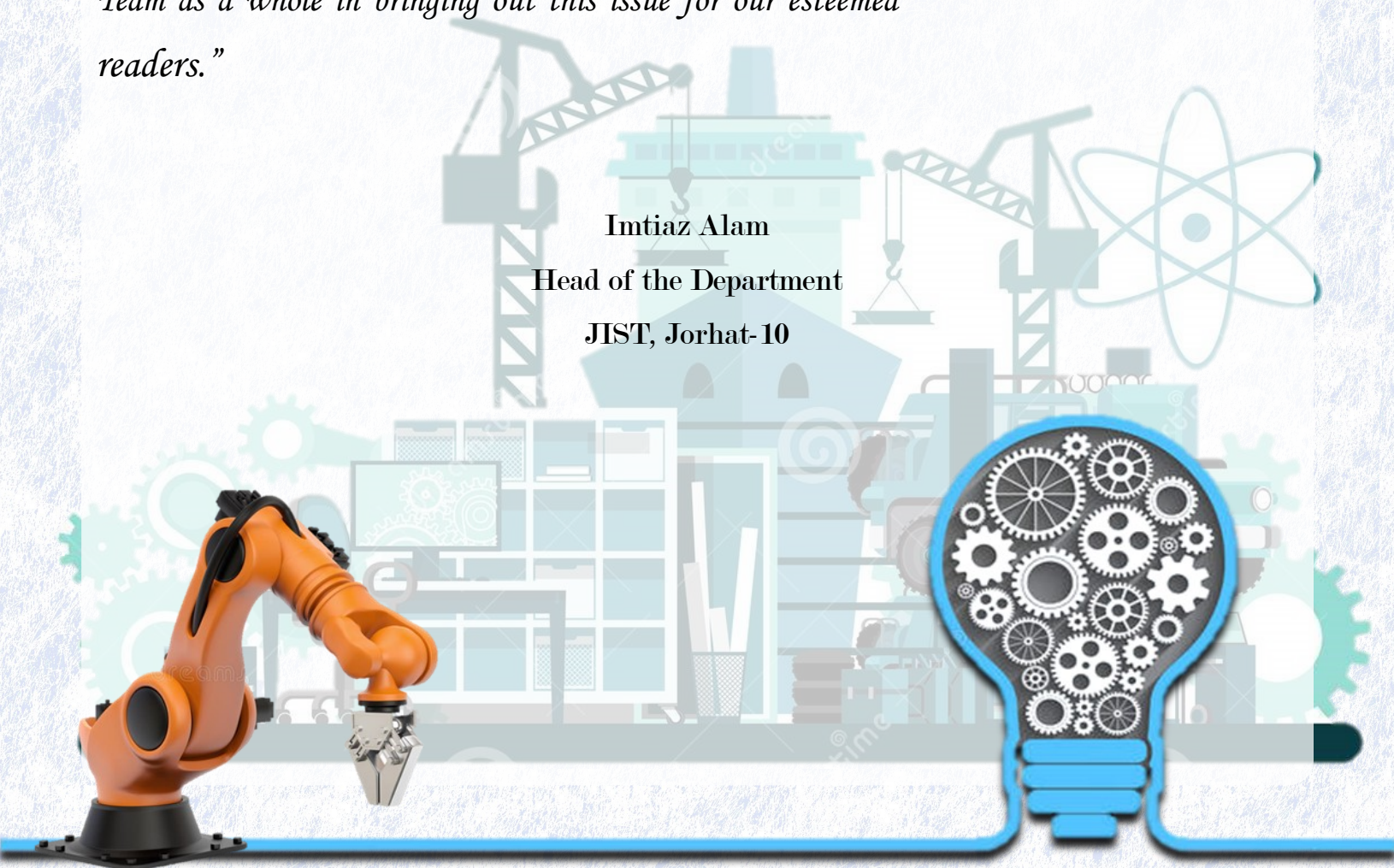


HOD Speaks...

"I am happy to inform that Department of Mechanical Engineering JIST is publishing its second issue of the Departmental Newsletter (Yaantrix). The Newsletter is a reflection of the culminative 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."



Imtiaz Alam
Head of the Department
JIST, Jorhat-10



Blessings...

It gives me immense pleasure to know that mechanical engineering, JIST is bringing out a 'Newsletter' of their department to be published at a regular interval. The positive and academic activities beyond classroom find place in the Newsletter inspire the students and faculty members. I hope, the small step will be the beginning of a giant leap in making.



Through interactions with students and faculty members of the young department in different forums, I felt the pulse and the spark of the community (Department family) and the indomitable urge for a change towards excellence. I do believe, the department will move in the right direction to establish itself as an excellent teaching - learning centre.

My blessings are with you all.

Dr Parimal Bakul Barua
Retd. Prof. & HOD,
Department of Mechanical Engineering
Jorhat Engineering College

All of us do not have equal talent. But, all of us have an equal opportunity to develop our talents.

~Dr. A. P. J. Abdul Kalam



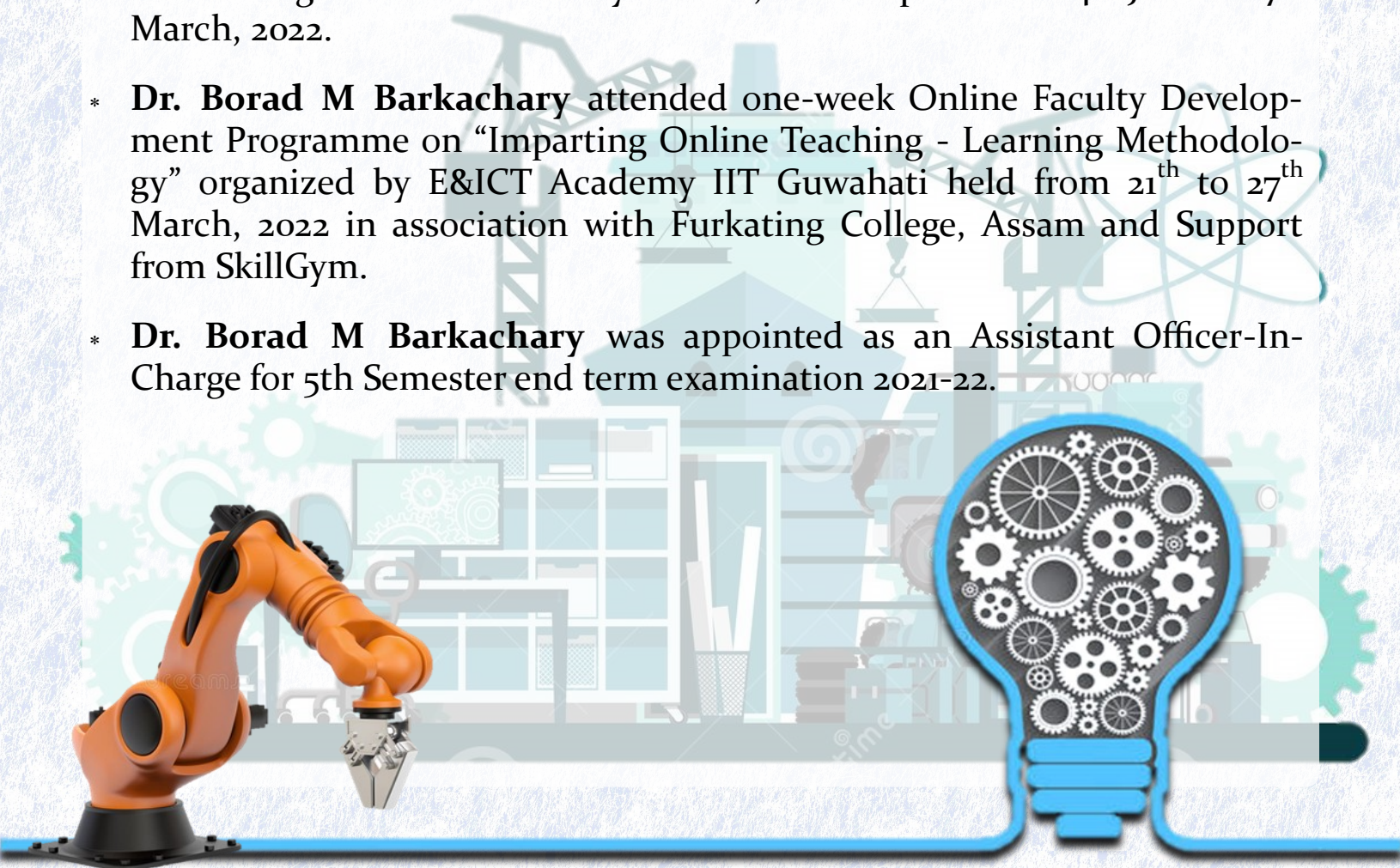
Departmental Activities

- * First Newsletter entitled “Yaantrix” of Mechanical Engineering Department, Jorhat Institute of Science and Technology was published in 4th January, 2022.
- * CIE-III for Session 2021-22 was conducted in 1st week of January, 2022.
- * A Departmental meeting was held on 26th February 2022 regarding the following matters:
 - Subject Allotment for even semester classes to the respective Faculties.
 - Laboratory In charge are allotted to the respective faculties of the department.
- * 3rd, 5th and 7th semester Lab exams, Internship and Project Seminars were conducted between 7th to 16th March 2022.
- * Dr Parimal Bakul Barua, Retired Professor of Jorhat Engineering College, Jorhat was invited as an External Examiner for the progress seminar of the Final Year Project on 14th and 15th March 2022.
- * A felicitation program was conducted on 15th March, 2022 to felicitate Dr. Parimal Bakul Barua for his outstanding contribution to the academic field along with an interactive session was conducted with the final year students.
- * A Departmental meeting was held on 27th March, 2022 regarding the following matters:-
 - Detailed syllabus preparation for the even semester Theory and Laboratory subjects along with CO-PO Matrix to be submitted to HOD within the first week of April, 2022.
 - The rubric for Final Year Project internal marks was adopted as prescribed by the Principal, JIST.
- * B. Tech 8th semester classes have commenced on 21st March, 2022 and B. Tech 4th and 6th semester classes have also been commenced on 26th March 2022.



Faculty Activities

- * **Imtiaz Alam** successfully completed one-week Short Term Training Programme on “National Education Policy (NEP) 2020–Reforms in Higher Education” organized by NITTR, Kolkata from 24th January to 27th January, 2022.
- * **Imtiaz Alam** hosted a webinar entitled “Carrier preoperative of Mechanical Engineers in IT industries.” Mr. Rabi Thapa, Senior Project Manager , Rolls-Royce, DERBY, UK was a live presenter on 27th March, 2022.
- * **Nayanjyoti Talukdar** attended one week Short Term Training Programme on “National Education Policy (NEP) 2020–Reforms in Higher Education” organised by NITTR, Kolkata from 24th January to 27th January, 2022.
- * **Dr. Borad M Barkachary** undergone four-weeks NPTEL Certification course (Swayam) and NPTEL-AICTE Faculty Development Program on “Machining Science’ offered by NPTEL, IIT Kanpur from 24th Jan. to 27th March, 2022.
- * **Dr. Borad M Barkachary** attended one-week Online Faculty Development Programme on “Imparting Online Teaching - Learning Methodology” organized by E&ICT Academy IIT Guwahati held from 21th to 27th March, 2022 in association with Furkating College, Assam and Support from SkillGym.
- * **Dr. Borad M Barkachary** was appointed as an Assistant Officer-In-Charge for 5th Semester end term examination 2021-22.



Faculty Activities

- * **Dr. Borad M Barkachary** was appointed as the external examiner for the 7th semester B. Tech Project Viva-Voce held from 8th March 2022 in the Department of Mechanical Engineering, Bineswar Brahma Engineering College, Kokrajhar-783370.
- * **Dr. Borad M Barkachary** was appointed as the external examiner for the 3rd and 5th semester B. Tech Lab exam (Theory of Machine Lab and Heat Transfer-1 Lab respectively) held from 8th March 2022 in the Department of Mechanical Engineering, Bineswar Brahma Engineering College, Kokrajhar-783370.
- * **Dr. Borad M Barkachary** performed as a Jorhat District Level Committee member for judging the Science models during Science model competition on the eve of National Science Day on 28th February 2022 organized by Samagra Sikhsha (RMSA) under Jorhat and Majuli District.
- * **Dr. Borad M Barkachary** was invited as an external expert of Selection Committee of CSIR-NEIST for recruiting the project staff held on 1st March 2022.
- * **Dr. Borad M Barkachary** performed as a reviewer of International Journals namely Journal of Micromachining (Publisher: SAGE) and Journal of Journal of Manufacturing Processes (Publisher: Elsevier).
- * **Dr. Borad M Barkachary** was recommended for external Doctoral Committee member of PhD scholars under Jorhat Engineering College, Jorhar-10.
- * **Dr. Borad M Barkachary** was approved as a Co-guide under ASTU, Guwahati for guiding PhD Scholar.
- * **Mridul Deka** attended and successfully completed four numbers of one-week ATAL Faculty Development Programs organized by AICTE.



Faculty Activities

- * **Mridul Deka** attended one-day webinar organized by Centre for Energy, IIT Guwahati.
- * **Mridul Deka** organized B.Tech 1st semester CIE-3.
- * **Mridul Deka** has successfully conducted the B. Tech. 1st, 3rd, 5th and 7th semester (compartmental) examinations as Assistant Officer-In-Charge.
- * **Menonjyoti Kalita** attended one-week online Faculty Development Programme on “Recent Trends & Issues in Mechanical Engineering” from 10th January to 15th January, 2022 organized by Department of Mechanical Engineering, University of Science & Technology, Hisar, Haryana.
- * **Menonjyoti Kalita** successfully completed one-week Short Term Training Programme on “National Education Policy (NEP) 2020–Reforms in Higher Education” organised by NITTR, Kolkata from 24th January to 27th January, 2022 .
- * **Menonjyoti Kalita** successfully participated in IP Awareness/Training program under National Intellectual Property Awareness Mission on 2nd February, 2022 organized by Intellectual Property Office, India.
- * Paper entitled “A review on arsenic contamination in the groundwater near Titabar area, Assam, it's health impact and methods of arsenic removal measures” authored by **Murchana Choudhury, Menonjyoti Kalita** and Dr. Pradip Baishya published in Technical Volume cum Souvenir having ISBN No. 978- 93- 83558- 31- 2 Organized by The Institution of Engineers (India) to Commemorate the World Water Day-2022, 22nd March, 2022.

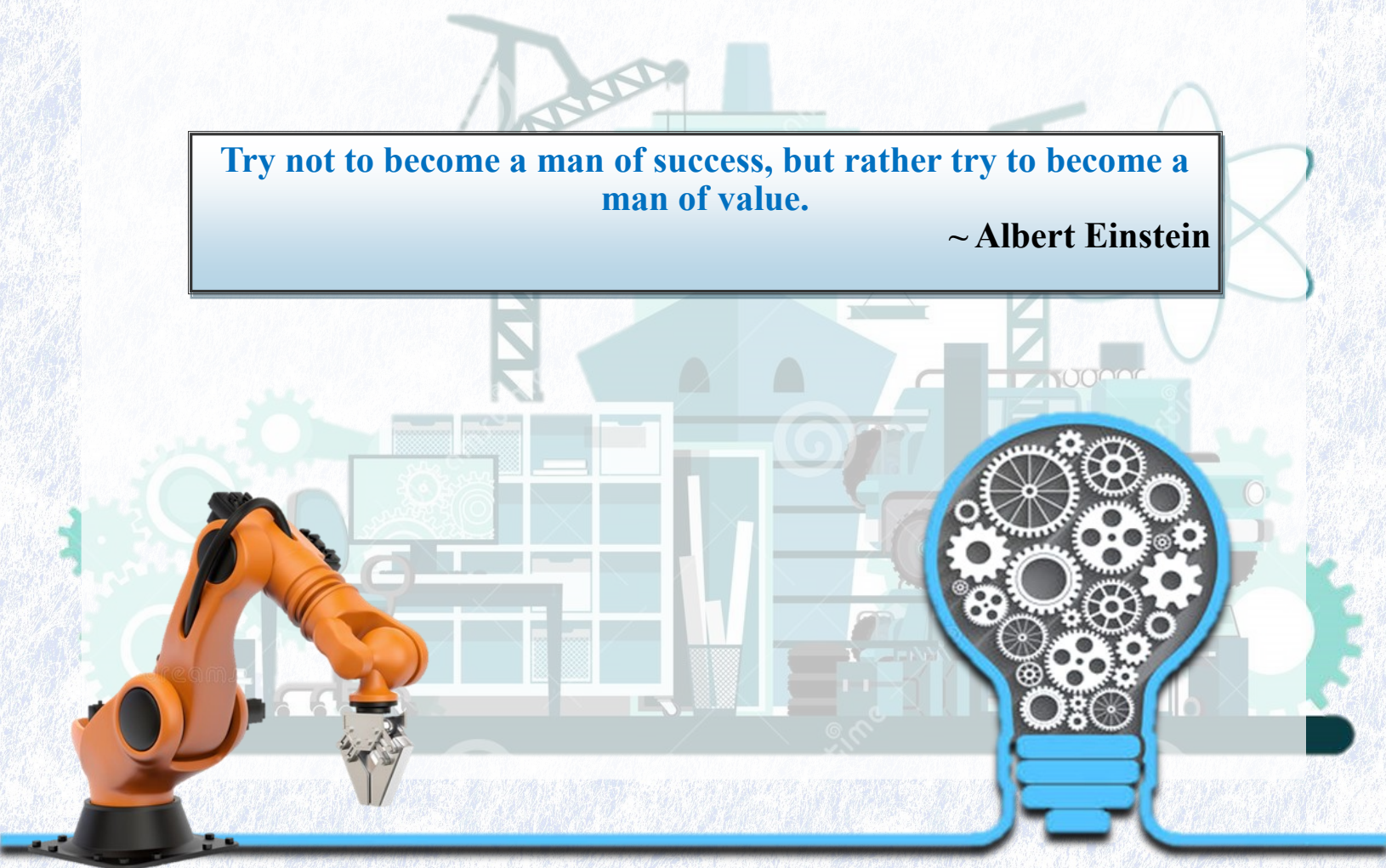


Faculty Activities

- * Paper entitled “Design of Portable Waste Sorting Device for Segregation of Solid Waste” authored by **Menonjyoti Kalita** and Dr. Pradip Baishya presented in 4th International Conference on Smart Village and Rural Development organized jointly by University of Melbourne, Australia and Assam Engineering College, Assam.
- * **Murchana Choudhury** completed one-week Short Term Training Programme on “National Education Policy (NEP) 2020–Reforms in Higher Education” organised by NITTR, Kolkata from 24th January to 27th January, 2022 successfully.
- * **Murchana Choudhary** presented a paper entitled, “A review on arsenic contamination in the groundwater near Titabar area, Assam, it's health impact and methods of arsenic removal measures” on the occasion of World Water Day in the Institute of Engineers (India) Assam State Centre.

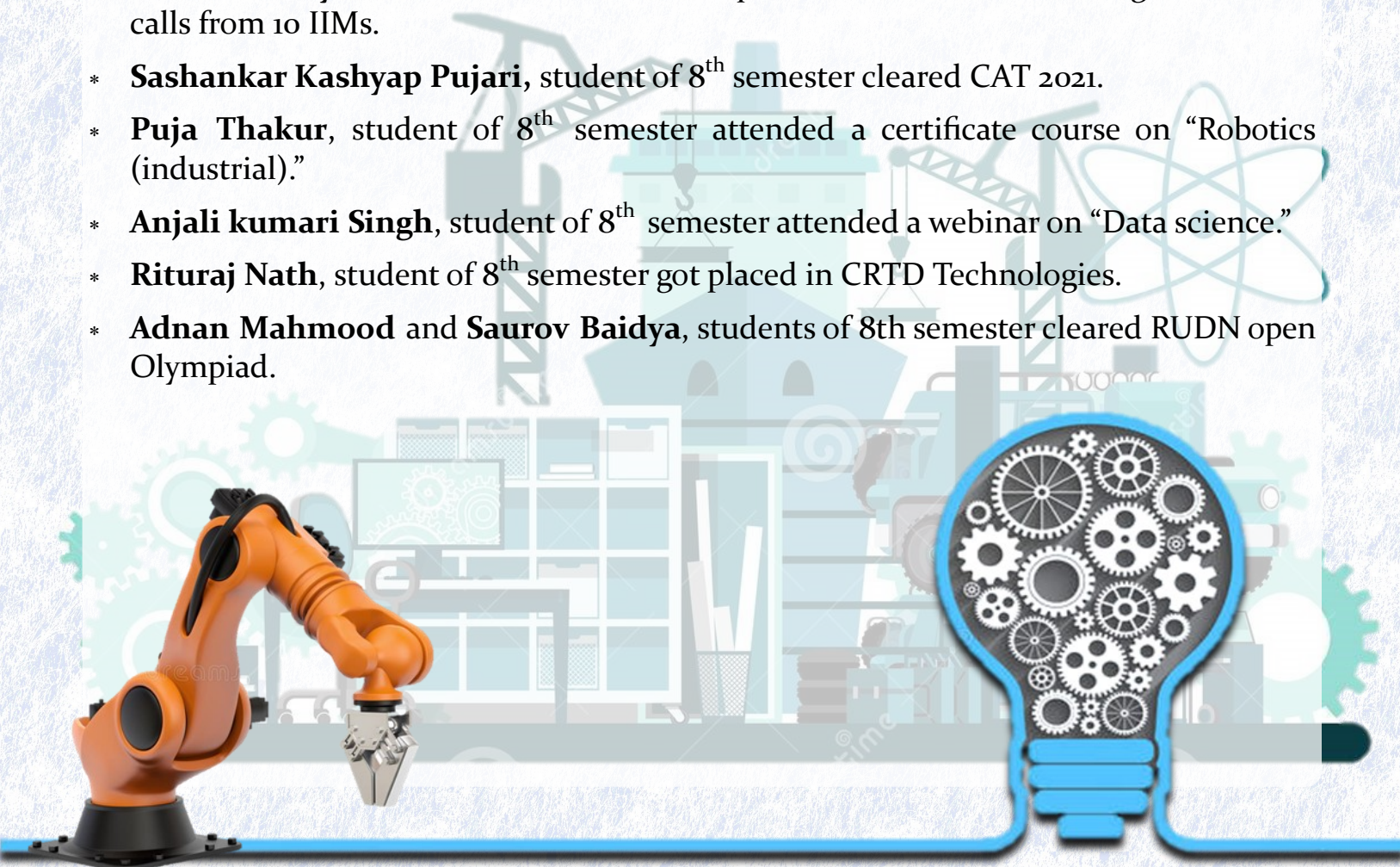
Try not to become a man of success, but rather try to become a man of value.

~ Albert Einstein



Student Activities

- * **Abhishek Paul**, student of 4th semester participated in a certificate course on “Basics of Remote sensing, GIS & GNSS technology and their applications.”
- * **Achintya Shyam Gohain**, student of 6th semester attended the “Blender course” on Udemy.
- * **Biki Baruah**, student of 6th semester attended the course on “Ethics, Technology and Engineering” under “Eindhoven University of Technology and 4TU” on Coursera for duration of 9 weeks.
- * **Amlan Jyoti Hazarika**, student of 8th semester qualified “GATE 2022 Mechanical Engineering” and he also got placed in TCS.
- * **Shyamal Baruah**, student of 6th semester qualified GATE 2022 Mechanical Engineering”
- * **Nitish Pathak**, student of 8th semester published a paper on “Power generation using speed breaker.”
- * **Manish Bhuyan**, student of 8th semester qualified “CAT 2021” and he got interview calls from 10 IIMs.
- * **Sashankar Kashyap Pujari**, student of 8th semester cleared CAT 2021.
- * **Puja Thakur**, student of 8th semester attended a certificate course on “Robotics (industrial).”
- * **Anjali kumari Singh**, student of 8th semester attended a webinar on “Data science.”
- * **Rituraj Nath**, student of 8th semester got placed in CRTD Technologies.
- * **Adnan Mahmood** and **Saurov Baidya**, students of 8th semester cleared RUDN open Olympiad.



Alumni Section

- * **Paban Kumar Dey**, an alumnus of 2017-2021 batch cleared GATE 2022.
- * **Shekhar Sharma**, an alumnus of 2017-2021 batch cleared GATE 2021 and admitted in M. Tech programme in NIT Rourkela.
- * **Md Khairuzzaman Choudhury**, an alumnus of 2017-2021 batch cleared GRE and scored 328 out of 340 and also cleared IELTS Academic and scored 7.5 out of 9. He is getting Universities offering from Strathclyde University, Swansea University, University of Greenwich, Teeside University for admission in MS (Master of Science).

Climbing to the TOP demands STRENGTH, whether it is to the TOP of Mount Everest or to the top of your CAREER

~Dr. A. P. J. Abdul Kalam

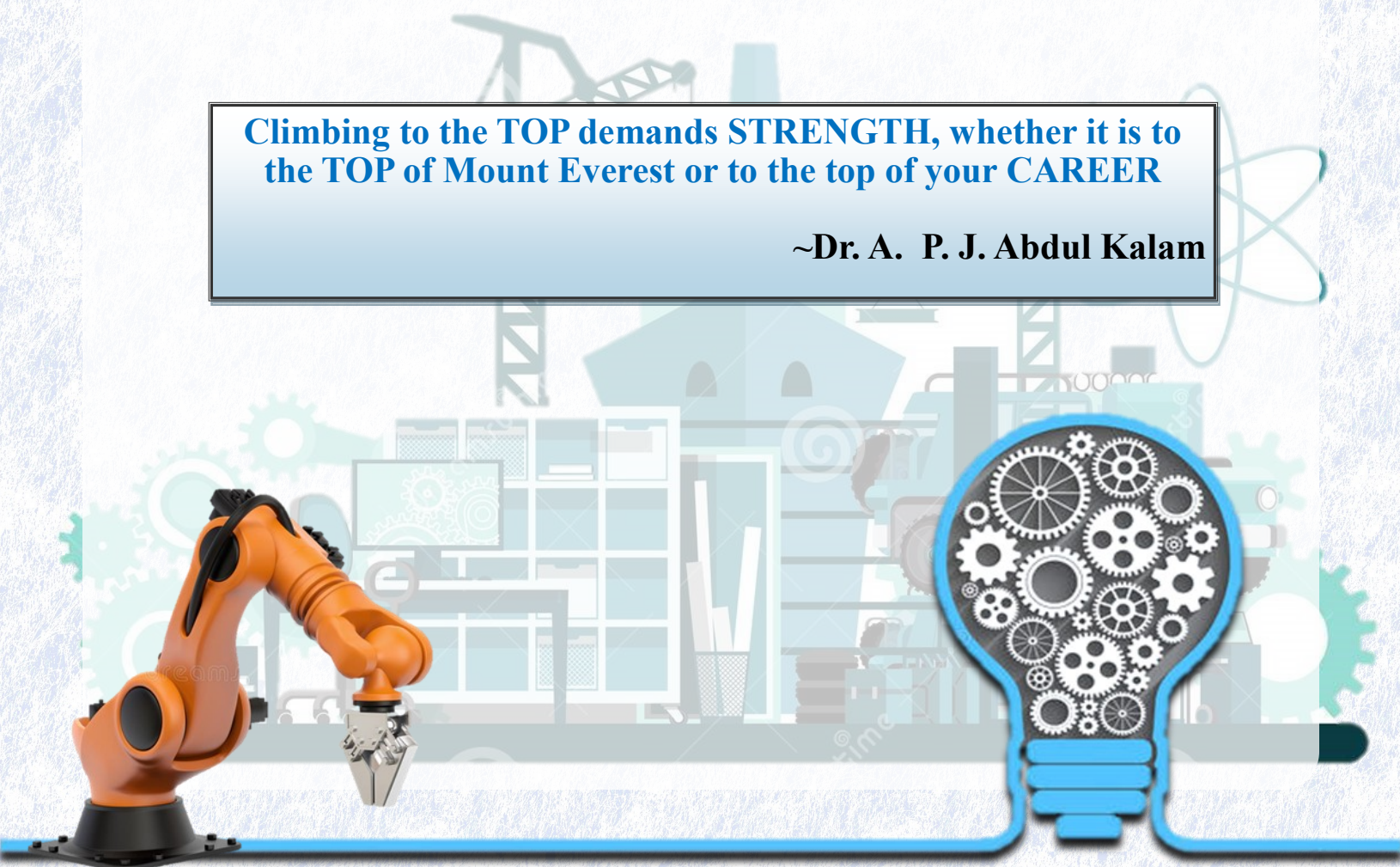


Photo Gallery



Photo Gallery



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*** Your suggestions are welcome ***
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