



Report on B.Tech. Final Year “POSTER PRESENTATION 2025” of Mechanical Engineering Students

Date of Event: 25th April 2025

Venue: Department Seminar Hall (Room.no. 317)

Organized by: Department of Mechanical Engineering

Faculty Coordinators: Dr. Balaji Kumar Choudhury

An initiative was taken by the Mechanical Engineering Department by organizing a “**Poster Presentation 2025**” for B. Tech. 8th Semester students as part of the 3rd review of their final year Major Project. The objective was to encourage students to showcase their final year project work through visual summaries and interactive presentations to the all faculty members and juniors. The event aimed to enhance communication skills, foster innovation, and promote peer-to-peer learning.

Dr. Balaji Kumar Choudhury started the program with the introduction speech and deliver a talk regarding the requirement and importance of the event. Mrs. Anukampa Chau Pattnaik, HoD Mechanical Engineering gave the welcome address and welcomed Dr. Souren Misra, Asso. Prof. & Head (ME), NIST University and Dr. Aswini Kumar Khuntia, Asst. Prof. (ME), NIST University as an external evaluator for poster presentation. Prof. Trilochan Rout also gave the welcome address to guests and delivered a note of encouragement to students. In presence of the guests the event was inaugurated.

A total 30 nos. of project group participated in the poster presentation event. Students displayed posters with a supplied format covering a wide range of topics. Many posters reflected real-time industrial problems and provided innovative solutions. A few selected projects were appreciated for their potential to be scaled up for industrial applications and future scope. Our principal sir along with many faculty members and junior students have visited and share a very good feedback regarding almost all the projects. Among all the posters the evaluators were selected one Best and five Excellent projects as mentioned below. The successful students were awarded with prizes and certificates. In the end the guests were honoured with mementos and certificates.

Sl.no.	Group No.	Name of the Student	Project Title	Remark
1	Group-3	Asmit kumar dey, Bedanta biswal, Sandeep kumar sahuo, Swadhin panda	Development of Sustainable Reinforced paper based composite	Best Project
2	Group-1	Prajnyadipta nayak, Rahul kumar bhol, Rudra mahanty, Rashmi ranjan routray	Energy and Exergy analysis of flat plate solar collector	Excellent Project
3	Group-4	Anshuman Biswal, Ashutosh Rath, Asish Ansuman Patnaik, Rupesh Gouda	Thermal Analysis of Micro-Channel Heat Sink using NanoFluid and phase change material.	Excellent Project



4	Group-16	Dibyanjan Das, Harihar Baral, M Aman Rao, Manasranjan Pati	Smart surveillance Robot	Excellent Project
5	Group-2	Amandeep pattnaik, Dibyajyoti giri, Kota ameer kumar patra, Rudra kumar sahu	Mechanical characterization of additive manufacturing part for Bio-Med application	Excellent Project
6	Group-9	Purna chandra sahu, Ratikanta sahu, Sagar das, Subham prakash nayak	Study of Microstructural and Mechanical Properties on Welding of SS304L/MS1040 steels using TIG & MIG Techniques.	Excellent Project

