Tridib Kuiry

B. Tech - Metallurgical and Materials Engineering
Roll number: 22MM8066
Gender: Male
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Educational Qualification

- Graduation

Work Experience

- Higher Secondary & Secondary

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2021	Class XII	WBCHSE	9
2019	Class X	WBBSE	8

Academic Achievements

SEM	1	2	3	4	5	6	7	8
SGPA	6.96	6.29	6.43	6.84	6.91	7.2	7.6	
CGPA	6.96	6.64	6.57	6.64	6.7	6.76	6.87	

- Achievement description 4th position at our school.
- Event Management @NIT DURGAPUR, BMEP *08/2024 - 08/2024*

Asha Project

- **Tridib Kuiry**
  Metallurgical and Materials Engineering
- As a member of the **Bihari More Educational Project (BMEP)**, we work to raise funds to support underprivileged students studying with us on the NIT campus. These funds help provide essential resources, such as books and supplies, for both local students and Jawahar Navodaya Vidyalaya (JNV) students, enhancing their learning experience.

Skills Summary

- **Technical Skills : Software Proficiency: MS Office (Excel, Word, PowerPoint), Basic Python, C, Basic C++, Materials Testing and Analysis: Microstructure Analysis, Hardness Testing, Density Measurement, Metallography, Manufacturing Processes: Knowledge of Sintering, Powder Metallurgy, Casting, Machining, and Welding.**
- **Non-Technical Skills : Communication, Teamwork, Problem-Solving, Time Management, Attention to Detail, Critical Thinking, Project Management.**

- **Projects-1**

- **REDUCTION of CO2 EMISSIONS FROM IRON MAKING in Blast Furnace**

  - Reduction in CO_2 Emissions from Iron Making
  - ***Tridib Kuiry, B. Tech, 4th Semester Vocational Training, Tata Steel, Jamshedpur***
  - Iron making produces high CO_2 emissions due to coke use. Tata Steel is addressing this with **hydrogen-based reduction, biomass alternatives, Carbon Capture and Storage (CCS), and Electric Arc Furnaces. These strategies aim to lower emissions and make the process more sustainable. Also, I am certifying for that project.**

- **Projects-2**
- Tridib Kuiry, B. Tech, 6th Semester

Project Title: Vocational Training, SAIL Durgapur Plant, Durgapur

I, **Tridib Kuiry**, completed a vocational training program at **SAIL – Durgapur Steel Plant (Centre for Learning & Development)** from 30 June 2025 to 11 July 2025 as part of my Metallurgical & Materials Engineering curriculum. During this training, I gained practical exposure to major steelmaking units including the Sinter Plant, Coke Ovens, Blast Furnace, Raw Material Handling Plant, Steel Melting Shop, Merchant Mill, Medium Structural Mill, and W&A Plant. The program enhanced my understanding of iron and steel production processes, raw material preparation, thermal operations, casting, rolling, and plant safety practices. This hands-on experience strengthened my technical knowledge of large-scale industrial steel manufacturing and improved my ability to relate theoretical concepts to real plant operations.

- **B-Tech final year project: -**
- **Title: - Development of hollow cylindrical briquettes made of iron bearing industry waste.**
- **Robotics**

  - **I was participated in a 2-day workshop on devising a fully functional autonomous and manual robot along with a robotic arm, which included C++ Programming, basics of NodeMCU, Servo Motor and Motor Driver.**
  - **The workshop Robozido was conducted on 28th and 29th of January 2023 by Robocell, Centre for Cognitive Activities, NIT Durgapur.**
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Extracurricular Activities

- **Activity 1 At school 1st position in Hitting the Wicket, Yoga.**
- **Activity 2 Running, Cricket**