



Ambika Prasad

Roll No.: 20218017

Bachelor Of Technology

Motilal Nehru National Institute of Technology Allahabad,
Prayagraj

+91-7905194692

✉ ambikaprasad2025@gmail.com

🌐 LinkedIn Profile

EDUCATION

- **Motilal Nehru National Institute of Technology Allahabad** 2021-2025
B.Tech Chemical Engineering *CPI : 7.75(upto 6th semester)*
- **LBS Convent School Kota Rajasthan** 2019-2020
CBSE, Rajasthan *Percentage: 89.2*
- **St Mary's Sen Sec School Banda UP** 2017-2018
CBSE, Uttar Pradesh *Percentage: 86.6*

PROJECTS

- **PUMP-IT** *Avishkar Event, 2022*
 - Studied the different types of pump and there importance in industry.
 - **Design and Fabrication:** Designed and constructed a **backward curved blade centrifugal pump** using a motor, battery, and custom-made impeller crafted from an aluminum sheet, showcasing proficiency in mechanical design and material selection.
 - **Stopping Mechanism:** Engineered an automatic stopping mechanism that halts the pump after dispensing **2 liters** of water. This mechanism utilized a ball-and-rod system where the ball's movement disrupted the electrical circuit, effectively stopping the pump.
- **INDUSTRIAL DESIGN** *Avishkar Event, 2022*
 - **Problem Analysis & Solution Development:** Conducted an in-depth analysis of the problem statement, identifying key challenges and constraints, and formulated a robust and innovative solution.
 - **Process Flow Diagram:** Created a detailed process flow diagram using **EdrawMax**, ensuring clarity and precision in illustrating the workflow and processes involved.
 - Prepared a ppt on the process of production of **sulphuric acid**, including chemical reactions, equipment used, and **safety measures**.

AREAS OF INTERESTS

- Pumps
- Distillation
- Heat Exchanger

POSITIONS OF RESPONSIBILITY

- **Enactus:** Research & Development department
- **E-Cell:** Member of Public realtion team.

ACHIEVEMENTS

- Secured **2nd** position in **CODE-INDROME** under **AVISHKAR 2024**.
- Secured **3rd** position in **HAZOPIUM** under **AVISHKAR 2024**.
- Secured **3rd** position in **CHEM-E-CROSS** event held by **IIT BOMBAY** under **AZEOTROPY** .
- Secured **4th** position in **PUMP-IT** under **AVISHKAR 2022**.