Progyani Gogoi
Final Year, RGIPT | Chemical Engineering Undergraduate
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OBJECTIVE

A organized and hard working individual looking for a responsible position to gain practical experience and where I can utilize my learning, knowledge and skills, while making a significant contribution to the success of the organization.

EDUCATIONAL BACKGROUND

COURSE	INSTITUTE	CPI/CGPA/%	YEAR
B.Tech in **Chemical Engineering**	Rajiv Gandhi Institute of Petroleum Technology	6.71(upto 5th sem)	2019-2023
Diploma in **Chemical Engineering**)	Assam Energy Institute	9.20	2017-2020
XII, (BOARD)	Pragjyotika Junior College	71.4	2017
X, (BOARD)	Adarsha Shiksha Bhawan	82.3	2015

INTERNSHIP

1. **Topic: Production of bio oil and bio char from bio mass** *July 1 –July 31,2019*

   Mentor – Dr. Ashutosh Namdeo
   Organization –CSIR-NEIST
   Description –
   - A huge amount of biomass generated all over the world and this biomass has a huge potential to produce sustainable energy which is carbon neutral.
   - This work is mainly focused on production of bio oil and bio-char from biomass through pyrolysis process and also synthesis of catalyst to utilize bio-char.

2. **Topic: Brief overview of CDU-VDU, DCU, ETP and wax plant** *January 17- February 3,2020*
   Mentor- Mr. Ganesh Baruah
   Organization- NRL
   Description-
   - The CDU-VDU, DCU,HCU,H2U,MSP,ETP, Wax plant unit was successfully studied using manuals and P & IDs.
   - On field visit and line testing for all units was done.
   - Different units and unit operations followed by unit processes were studied and field done for individual units and refinery.

PROJECTS

1. **Title: Preparation of adsorbents from biomass and its potential application in industrial waste water treatment.**
   Mentor- Dr. Bipul Das *May 16- September 2,2022*
   Organization- CSIR-NEIST
   Description-
   - In our country, the tea factories have not implemented any waste-water treatment processes.
   - There is a particular interest in the use of biomass adsorbent as a promising environmentally friendly and low-cost.

- Therefore, the main purpose of our work is to develop/prepare different types of adsorbents from plant based materials which offer a low-cost and a inexpensive approach for pollutant removal.

2. **Title: Tracking of air-water interface numerically in a channel flow**. *January –June,2020*

   Mentor- Dr. Bhaskar jyoti Medhi | AEI

   Description-

   - Interfacial area could have an intense effect on transport processes involving heat and mass transfer.
   - The volume of fluid model is used in the CFD simulations to predict the location of the air-water interface.
   - It is observed that as the flow moves in the channel initial interface location changes and we can see wavy region at the interface location.

ACHIEVEMENTS AND HONOURS

- **Completed VISHARAD-1 in vocal music**.

TECHNICAL SKILLS

- Ms. Office(Word, Excel, PowerPoint), Programming logic and technique, Programming in C.

EXTRA-CURRICULAR ACTIVITIES/PORs

1. Coordinator of **MUSIC CLUB** in Assam Energy Institute.
2. **GIRLS HOSTEL REPRESENTATIVE** of Assam Energy Institute,(batch 2015-17).
3. Provided helping hand in ORPHANAGE home with college team of AEI**.**
4. Sang the **GURUVANDANA** in the inauguration programme of uttaran