

## Ulkamoni Konwar

Final Year, RGIPT | Chemical Engineering Undergraduate

Female | 17/11/1998

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### OBJECTIVE

An organized and hardworking individual looking forward to build a challenging career with honesty and loyalty by translating my experience, knowledge, skills and abilities into value for an organization.

### EDUCATIONAL BACKGROUND

COURSE	INSTITUTE	CPI/CGPA/%	YEAR
B.Tech in <b>Chemical Engineering</b>	Rajiv Gandhi Institute of Petroleum Technology	7.34 (upto 5 <sup>th</sup> sem)	2020-2023
Diploma in <b>Chemical Engineering</b>	Assam Energy Institute, Sivasagar	9.57	2017-2020
XII, (AHSEC)	Salt Brook Academy, Assam	77.4	2017
X, (SEBA)	Adarsha Shiksha Bhawan, Assam	91.6	2015

### INTERNSHIP

*January 17 – February 3, 2020*

➤ **Topic-Brief overview of CDU/VDU, DCU, Wax plant and ETP**

Organization: **NRL-Numaligarh Refinery Limited.**

Mentor: **Mr. Ganesh Baruah**

Description:

- The CDU-VDU, DCU, HCU, H2U, MSP, WAXPLANT, ETP 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 of refinery.

*July 1- July 31, 2019*

➤ **Topic-Characterization of food materials for the modification of ceramic membrane**

Organization: **CSIR-NEIST, Jorhat**

Mentor: **Er. Tobiul Hussain**

Description:

- The superhydrophobic nature of different food material was studied as the potential applications of superhydrophobic materials are extremely wide and include anti-icing coating, anti-corrosion coatings, anti-sbacteria coatings, textiles, oil/water separation, water purification and desalinization, micro fluidic devices, batteries, sensors, drug delivery or heterogeneous catalysis.
- The objective of our work was to extract hydrophobic compound from Taro leaf and jackfruit seed for application in the modification of ceramic membrane surface towards hydrophobic nature.

## PROJECTS

May 2022-September 2022

- **Topic-Preparation of adsorbent from biomass and its potential application in industrial waste water treatment.**

Organization: **CSIR-NEIST, Jorhat**

Mentor: **Dr. Bipul Das**

Description :.

- This research work was done for reduction of colour components i.e *theaflavin and thearubigins* and suspended solids from tea factory waste water by using coagulation-flocculation followed by adsorption process by using tea waste as a adsorbent which was prepared by physical and chemical activation process.

January2020-June 2020

- **Topic-Adsorption of dye molecules from aqueous solution using different types of adsorbents**

Mentor: **Aditya Sahu & Dr. Ponchami Sharma| AEI**

Description:

- Dyes are a very dangerous class of pollutants which have adverse effects on human health, plants, animals and exposed materials. Water pollution due to dying industry has become a great matter of concern since a large amount of effluent is discharged into the water bodies.
- .So ,our purpose was to study on how this waste water can be treated to minimize this adverse global phenomena by using adsorption process.

## ACHIEVEMENTS AND HONOURS

- Awarded with president's Gold Medal for the year 2020 of Assam Energy Institute, RGIPT Assam centre.
- Awarded with Institute Gold Medal for the year 2020 of Assam Energy Institute, RGIPT Assam centre.
- Gold medalist in all India Fine Art contest organized by Nikhil Bharat Sanger Semite, KOLKATA.
- Visharad in Satriya classical dance.
- M. Arts in Fine Arts.

## TECHNICAL SKILLS

- Programming language-C
- Tools-MS office(Word, Excel, PowerPoint)

## EXTRA-CURRICULAR ACTIVITIES/PORs

- Co-ordinator of **FINE ARTS CLUB** in Assam Energy Institute, Sivasasagar.
- Organized **XIWORONG'19** (Technical & Cultural Festival ) as a Publicity team member and Decoration team member .
- Organized a 15 days' workshop on "Art & Craft" along with a local team for 5 to 15 years kids.
- Organized an inspirational event for the children of an orphanage in the year 2019.
- Involvement in **UNITY RUN (SWACHHATA HI SEWA 2018)** organized by-District Water and Sanitation Committee with the help of District Administration, Sivasagar.