Abhijit Anand

ECHE19-001 | UG Final Year (B.Tech)
Chemical Engineering | Rajiv Gandhi Institute of Petroleum Technology
Male | 23/08/2000
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OBJECTIVE: A creative and strategic thinker with an **excellent academic record** motivated to build a career in chemical and petrochemical industry.

EDUCATIONAL BACKGROUND

COURSE	CPI/CGPA/%	Year
B.Tech in **Chemical Engineering**	9.57/10* ***Up to 6th Semester**	2019-2023
XII, (CBSE)	91%	2018
X, (CBSE)	10 CGPA	2016

INTERNSHIPS

Overview of different process units in a refinery mainly AVU unit. IOCL PARADIP

June,2022

Mentor**: R.N Patel (**DGM, AVU, IOCL, PARADIP)

- Learned the operating parameters of processing crude oil in mother unit of refinery and distribution of products to various secondary units like DHDT, NHT units.

PROJECT: We were given to design a heat exchanger to cool kerosene stream from 178 °C using boiler feed water at 100°C at a pressure of 40Kg/cm^2.

Water Chemistry in a Coal Fired Thermal Power Plant. NTPC, TANDWA, CHATRA

December,2021

Mentor: **Swarup Khan (**Senior Manager, Chemical Department)

- Learned the processes involved in the electricity generation using thermal energy obtained from burning of coal. The main objective was to study on the various processes involved in the de-mineralisation of raw water

Online Internship at Indian Institute of Chemical Engineers.

July,2021

- Completed the basics of Petroleum Refinery Engineering (PRE) following all necessary criteria of institute with A+ grade.

ACADEMIC PROJECTS

Nanoparticle aided hydrodynamics of liquid-liquid flow through millimeter sized channels.

- We have carried out mass transfer and flow pattern for various nanoparticle aided hydrodynamics system in a 2mm internal diameter channel. The objective was to increase range of slug flow regime as slug flow is a tool for process intensification. Nanoparticle system enhances the micro mixing and hence greater mass transfer in nano aided systems.
- Identified the mass transfer data through refractometry analysis.

Reducing frictional loss and thereby reducing pumping cost in oil transportation through pipelines

- In transportation of highly viscous oil high pumping cost is experienced as flow is mostly dispersed and highly viscous oil sticks in pipelines but if we go for annular and slug annular flow regimes than water comes in contact with wall and water being less viscous reduces the pumping cost.

SCHOLASTIC ACHIEVEMENTS

- Currently ranks **1st** in the batch with a cpi of **9.57**
- Qualified mains with a percentile of **98.96**(highest in the batch)
- Qualified gate in 3rd year in 1st attempt
- Stood 1st at district level quiz competition organized by **ONGC** (2015-2016) at RANCHI
- Won **36000** cash prize by securing ALL INDIA RANK **19** in FIITJEE National Talent Reward Examination in 2018
- Part of runners up cricket team at College Intra sports competition.

POSITION OF RESPONSIBILITIES

Placement Coordinator | Chemical Engineering Department. *2021- Present*
DUGC (Departmental Undergraduate Committee) |Student representative from the batch. *2021- Present*
Tutor |Taught modern physics and fluid flow operations to 1st and 2nd year students respectively. *2021- 2022*
Vice President |IICHE-RGIPT Student Chapter. *2021-Present*
Canteen Management Committee | Student Representative *2019*

SKILLS AND INTEREST

- **Software:** MS Office | Aspen HYSYS|
- **Programming Languages:** C, MATLAB

Hobbies:

- Cricket, football
- Reading magazines