



HARSH GUPTA

EPE19026
B.Tech-Final Year Petroleum Engineering
Rajiv Gandhi Institute of Petroleum Technology
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EDUCATIONAL BACKGROUND

Degree/Exam	University/Institute	CPI/CGPA/%	YYYY
B.Tech (Petroleum Engineering)	Rajiv Gandhi Institute of Petroleum Technology, Jais	8.21 (till 6 th sem)	2019-2023
Intermediate/+2 (UP Board)	Inter College Baderi Jaunpur	84.00 %	2018
Matriculation (UP Board)	St. Xavier's Inter College Kazipur	84.00 %	2016

INTERNSHIP & FIELD TRIP

Name of Organization: Oil and Natural Gas Corporation Limited (ONGC) Rajahmundry Asset Project Title: Drilling & Cementing Operations in HPHT Wells. <i>Period: 31th May-29th June'22</i> <ul style="list-style-type: none">Studied about the preparation of cement slurry and different types of cementing operations.Studied about the different phases of drilling operations in deeper wells.
Geological Field Trip - BUNDELKHAND area (Uttar Pradesh) <ul style="list-style-type: none">Conducted Seismic, GPR and Resistivity surveys for exploration of subsurface.

RESEARCH PROJECTS

Preparation of Heavy crude O/W emulsion for enhancing flow properties and a Computational Fluid Dynamic (CFD) Analysis. <ul style="list-style-type: none">Performed the flow modelling in Ansys fluent to predict the flow behavior of crude oil emulsion.Carried out experimental work for determining various rheological, chemical properties of crude sample collected and the synthesized surfactants.	Aug. 2022
CFD analysis of flow through different pipe geometries for crude and emulsion. <ul style="list-style-type: none">Simulated the flow of emulsion for different geometries of bends and Junctions in Ansys fluent Software.Carried out the simulation work with determined parameters to do a comparative study of the effect of bends on pressure drop across pipes.	Sept. 2022

SKILLS

<ul style="list-style-type: none">Programming Skills: Python, CSoftware: ANSYS Fluent, MATLAB, Ecrin, Logview++, AutoCAD, Microsoft-OfficeInterpersonal Skills: Leadership, Problem solving, Strong communication Skills

AWARDS & ACHIEVEMENTS

1. Qualified JEE ADVANCED and JEE Mains being among the top 2 percentile JEE Aspirants.	2019
2. Awarded as best in Bhartiya Sanskriti Gyan Pariksha Under the Aegis of Gayatri, Shantikunj, Haridwar.	2017
3. Qualified NSTSE exam.	2015

EXTRACURRICULAR ACTIVITIES

1. Worked in Technical Team at ENERGIA Sportsfest RGIPT.	2020
2. Worked in Event Management Team at URJOTSAV Techfest RGIPT.	2019
3. Volunteer at Arpan, an initiative by social club Arpan to help underprivileged people of the society.	2019

POSITIONS OF RESPONSIBILITY

1. Teaching Assistant at RGIPT in the course 'Modern Physics' and 'LCA' for freshman Year.	2022
2. Custodian of Indian Hydrocarbon Appraisal (I-HAP) Program.	2022
3. Core Member at Gyan Arpan, Project Amethi.	2020-2021
4. Event Management Executives at EAGE SC RGIPT.	2020-2021

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