

AMAN JINDAL

Final Year, RGIPT | Chemical Engineering Undergraduate

Male | 21/11/2000

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OBJECTIVE

My deep understanding of engineering principles has an intrinsic value that will accelerate tangible progress by applying Chemical Engineering principles to large-scale industrial problems. For me, the most accentuating aspect of technology is problem-solving; it provides a medium to turn ideas into execution.

EDUCATIONAL BACKGROUND

COURSE	INSTITUTE	CPI/CGPA/%	YEAR
B.Tech in Chemical Engineering	Rajiv Gandhi Institute of Petroleum Technology	7.57*	2019-2023
XII, (BOARD)	Sony Academy Sr Sec School	84.00%	2018
X, (BOARD)	Imperial Academy Sec School	89.67%	2016

* Till 6th Semester

INTERNSHIP

Hindustan Petroleum Corporation Limited, Visakh Refinery

Topic: **Product Parameters & Quality Control in CDUs**

May 14 – June 27, 2022

Mentor: **Mayukh Banerjee**

- Determined and analyzed various physical properties of Crude Oil and products.
- Reviewed the quality of various products from the Crude Distillation Unit to achieve the goal of the Production Unit *to Improve the Performance of the Process*.

PROJECTS

UAV Sensor Based Close Range Remote Sensing Technique

December 2021- Present

Mentor: **Dr. Susham Biswas**

- Built Quadcopter Drone for Surveillance of Various Chemical Refinery Units.
- Autonomous Navigation using SLAM to reach the target location.
- Add various sensors for leakage detection of Smoke, Harmful Gases, Temperature profile, etc.

HOBBY PROJECT:

- **Hexapod**

Under Science & Technical Council

A spider-like robot that can walk on different terrain with the capability to detect an obstacle and plant sensors like Geophone in a muddy environment.

- **RFID-Based Security System**

Under Science & Technical Council

A smart Security and Access Control System for use in Hostels inside the RGIPT Premises.

ACHIEVEMENTS AND HONOURS

- Secure All India Rank 14891 in JEE (ADVANCE) among 1,50,000 aspirants.
- Recipient of institute's Merit-Cum-Means Scholarship.

TECHNICAL SKILLS

Software Skills:

- Arduino IDE
- SolidWorks, Fusion360
- MS Office, ASPEN

Computer Languages:

- C/C++
- Python

Electronics:

- Arduino
- Raspberry PI

EXTRA-CURRICULAR ACTIVITIES/PORs

Positions of Responsibility:

- **General Secretary** | Science & Technical Council, RGIPT [Sept '21-Present]
- **Vice-Chairman** | Association for Computing Machinery [June '21-June '22]
ACM RGIPT Student Chapter
- **Club Manager, Tinkering Lab** | Science & Technical Council, RGIPT [June '20-Aug '21]

Extra-Curricular Activities:

- Participated in Robotics Events of – TECHNEX (IIT BHU), KSHITIJ (IIT Kharagpur), and TECHFEST (IIT Bombay).
- Attended ASPEN Workshop conducted at the AIChE Student Regional Conference – 2020.
- Served as a College Ambassador of the Entrepreneurship Cell, IIT Bombay.