

RAJAT SINGH CHOUHAN

Chemical Engineering, UG 4th year
Rajiv Gandhi Institute of Petroleum Technology, Jais (India)

Email: eche16022@rgipt.ac.in
Phone: +91-9424455800

CAREER OBJECTIVE:

To utilize my core technical competence and act as a solution finder for individual and for organizational growth.

ACADEMIC QUALIFICATION:

Degree	Year	Institute, City	Performance
B.Tech	2020	Rajiv Gandhi Institute of Petroleum Technology, Jais	8.78/10 (6 th Sem)
Intermediate	2016	St. Francis Hr. Sec. School, Bhopal (CBSE Board)	88.2%
Matriculation	2014	St. Francis Hr. Sec. School, Bhopal (CBSE Board)	9.4/10

INTERNSHIPS & PROFESSIONAL EXPERIENCE:

Indian Institute of Petroleum (CSIR-IIP), Dehradun, India May'19-July'19

Project: Thermochemical Hydrogen Generation from H₂S gas via partially open loop SI cycle.

- Optimized Bunsen reaction experimentally to get the clear HI_x phase.
- Operated distillation column to separate out the HI and I₂ mixture.
- Tested various prepared catalysts to achieve the theoretical conversion from HI Decomposition.
- Got exposed to installment and working procedure of incinerator used for conversion of H₂S to SO₂.

Bharat Oman Refineries Limited (BORL), Bina, India May'18

Project: Brief Overview of NHT Unit-MS BLOCK

- Studied the production method employed by BORL in production of motor spirit by Hydrotreating and Isomerization process
- Understood the working of Splitting Columns, Stripping Columns, Furnaces and got exposed to Pump Operations.

PROJECT:

Mitigating Oil Spills Using Lotus and Milkweed: An Eco-friendly Approach March'18-May'18

- **Task:** Finding an **eco-friendly** approach to recover oil from offshore oil spills.
- **Strategy:** Making an oil absorbing kit by using the hydrophilic nature of lotus leaves and milkweed.
- **Result:** The absorbing kit was found to be more suitable and shows increasing absorbing efficiency for higher oil/water concentrations.

POSITIONS OF RESPONSIBILITY:

Vice President, IChE RGIPT Student Chapter Aug'19-present

- Leading a **3-tier team** of **26 members**, consisting of 4 executive committee members, 6 managers and 16 volunteers.
- Made IChE RGIPT Student Chapter as the most progressive and active student chapter of the college.

Secretary, IChE RGIPT Student Chapter Aug'18-May'19

- Lead the **3-tier team** of **25 members**, consisting of 3 executive committee members, 6 managers and 16 volunteers.
- Encouraged the students to showcase their capability in chemical engineering through various chapter initiatives and activities.

Basketball Coordinator, Energia'18 & Energia'17 March'18 & April'17

- In-charge of basketball sports event and management of the teams participating in the event.
- Led a team of 10 members to increase the participation and developed the promotional materials for event.

ACHIEVEMENTS & EXTRA-CURRICULAR ACTIVITIES:

- RGIPT annual scholarship holder for 3 consecutive academic sessions 2016-17, 2017-18 & 2018-19.
- **Runner up** in basketball tournament in annual sports festival of RGIPT (ENERGIA 2018).
- Secured **Second Position** in 'Street Play Competition' in annual Cultural fest of RGIPT (KALTARANG 2018).
- Certificate of **merit** in workshop on 'Internet of Things' held at RGIPT. (WINTER SCHOOL 2018).
- **Runner up** in basketball tournament of **KALPVAIG'17**, Annual Sports festival of FGIET.
- Awarded Certificate of Academic Excellence for securing maximum S.P.I. of 9.36 in 1st semester.
- Secured **First Position** in school in XIIth CBSE examination in Math's stream.

COMPUTER SKILLS:

MS Office (Word, Excel & Power point); **Aspen plus**; AutoCAD; C language.

