

Kartik Singh

Final Year, RGIPT | Chemical Engineering Undergraduate

Male | 08/05/2000

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Looking for opportunities to work in a challenging environment that provides a scope of self-development and is decisive for organizational growth.

EDUCATIONAL BACKGROUND

| COURSE | INSTITUTE | CPI/CGPA/% | Year |
|--------------------------------|---|------------|-----------|
| B.Tech Chemical Engineering | Rajiv Gandhi Institute of Petroleum Technology | 7.66 | 2018-2022 |
| XII, (CBSE) | A.V.M Convent School | 77.6% | 2017 |
| X, (CBSE) | A.V.M Convent School | 10 | 2015 |

INTERNSHIPS

| | |
|---|------------------|
| Name of Organization: Indian Institute of Petroleum (CSIR-IIP), Dehradun, India Project Title: Development of Indigenous Catalyst for Hydrogenation of CO₂ to Methanol Guide: Dr. Rajaram Bal <ul style="list-style-type: none">Operated High Pressure Fixed Bed Reactor to carry out heterogenous catalytic reaction.Tested catalysts at various reaction parameters to achieve the desired conversion.Prepared bimetallic catalyst. | July'21 - Aug'21 |
| Name of Organization: Indian Institute of Chemical Engineers Title: Six Sigma Yellow Belt <ul style="list-style-type: none">Developed a sound understanding of different steps involved in six sigma approach.Case study on effluent treatment analyzed. | June'21 |

PROJECTS

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|--|------------------|
| Project Title: Catalyst development for conversion of CO₂ to Methanol Guide: Dr. Umapasana Ojha <ul style="list-style-type: none">Membrane SynthesisCalculated Feasibility of reactions using Gaussian software. | Sep'21 - Present |
| Project Title: Forecasting COVID-19 cases in India Guide: Dr. Susham Biswas <ul style="list-style-type: none">Forecasting of cases using Regression approach.Prediction of peak date using Gaussian approach. | June'20 - Aug'20 |
| Project Title: Heat Transfer calculator for flow inside a circular tube Guide: Dr. Milan Kumar <ul style="list-style-type: none">Heat transfer coefficient and heat transfer rate calculated.Different Co-relations incorporated and application programmed in C language. | Oct'19 - Nov'19 |

SKILLS

Software Skills: **Auto-CAD | Aspen Plus | DWSIM | Office Suite | Gaussian | Adobe Premiere Pro**
Programming Languages: **C/C++ | Python | MATLAB**

AWARDS & ACHIEVEMENTS

Published an article centered on **Structural Health Monitoring in Pipeline** at MDPI Journal.
Qualified JEE Advanced 2018 with AIR 13690, top 99 percentile.
Appreciation Letter for excellent performance in CBSE examination by the MHRD Minister.

EXTRACURRICULAR ACTIVITIES

Competition Reinforcement Head at AIChE RGIPT Student Chapter for academic year 2020-21.
Completed technical projects, **Soil monitoring probe and Hexapod** under Science & Technical council RGIPT.
Publicity Executive | IICHE RGIPT STUDENT CHAPTER.
Teaching volunteer for ARPAN Social Club.
Volunteered for Designing Committee | KALTARANG Aftermovie.
Attended Industrial Trip to IOCL Mathura Refinery.
Participated in an online workshop on chemical process simulator by FOSSEE IIT Bombay.
Participated in AIChE student regional conference, Prajwalit SRC 2020.

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