

Yash Raj

Male

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**RAJIV GANDHI INSTITUTE OF PETROLEUM
TECHNOLOGY Jais, Amethi - 229304**

Name of Discipline: Chemical Engineering



EDUCATIONAL BACKGROUND		CPI/CGPA/%	YYYY
Bachelor of Technology (RGIPT)		CPI 8.10 (Till 5 th Semester)	2022
12 th CBSE, Chandrasheel Vidyapeeth		82.40 %	2017
10 th CBSE, D. A.V. Public School		10 (CGPA)	2015
INTERSHIPS			
Name of Organization: Nayara Energy Limited Project Title: Determination of height of packed column by using HTU-NTU model. In this project the determination of the height is done by using HTU-NTU model. This method is more appropriate because the changes in compositions of the liquid and vapor phases occur differentially in a packed column rather than in stepwise fashion as in trayed column. It helps to figure out the proper packing needed for an absorption column and a distillation column to ensure that we get the proper outcome in industries. Period: 2nd July, 2021 to 20th August, 2021			2021
Research Projects & Publications			
B.Tech project on, Numerical Modelling for Gas Hydrate Formation and dissociation with Nitrogen and Carbon Dioxide. In this project we use the information to construct a numerical model for gas hydrates formation and dissociation with nitrogen and carbon dioxide using a computational software, Aspen HYSYS. Using this model, we can determine the temperature pressure condition at which gas hydrates forms and using this we can control the gas hydrates formation and dissociation more effectively according to our need.			2021
Project on development of a Graphical User Interface based program for determination of various industrial designing parameters with more accuracy.			2020
Project on determination of Heat transfer coefficient and heat transfer rate for combined forced and natural convection in horizontal tube by developing an interactive user interface application.			2019
SKILLS			
Software Skills: AutoCAD, Microsoft Office, Visual Studio, MATLAB, Aspen HYSYS Programming Languages: C++, Python			
Awards & Achievements			
Qualified GATE Exam			2021
RGIPT's Meritorious Scholarship Awardee for consecutively 3 years			2018-2021
Qualified JEE ADVANCED with a rank in top 10 percentile			2018
EXTRACURRICULAR ACTIVITIES			
Attended International Conference on Unconventional Energy Resources (ICUER)			2019
Attended industrial tour in IOCL Mathura refinery			2019
Worked as Publicity Head in Energia Sportsfest			2019
Event Managed events in URJOTSAV TECHFEST			2019
Participated in workshops on Computational Fluid Dynamics during Winter School			2018
Attended workshop on Data Science during Winter School			2018

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Bihar, PIN: 842002

Signature: *Yash Raj*

Date: 11th November, 2021