Saurabh Kumar

Final Year, RGIPT | Chemical Engineering
Gender: Male
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EDUCATIONAL BACKGROUND

COURSE	INSTITUTE	CPI/CGPA/%	Year
B.Tech in **Chemical Engineering**	Rajiv Gandhi Institute of Petroleum Technology, Jais, Uttar Pradesh	6.66/10* *Up to 5th Semester	2018-2022
XII, (CBSE)	DAV Kapildev Public School, Kadru, Ranchi	79.6%	2017
X, (CBSE)	S.R. DAV Public School, Pundag, Ranchi	9.6/10	2015

INTERNSHIP

Life Cycle Analysis using GREET Model & High Throughput Hydroprocessing Reactor Operation
BPCL Corporate Research & Development Centre, Noida *July 7 – August 20, 2021*
Mentor: **Mr. Srinivasulu Kaalva**

- Performed Life Cycle Analysis of hydrogen generation from solar power using different pathways and comparing them.
- Performed different operations on High Throughput Hydroprocessing Reactor.

PROJECTS

Simulation of Two-Phase Flow Patterns in Microchannels *May 2021 – September 2021*
 Supervisor: **Dr. K G Biswas**

- Performed numerical simulations of liquid-liquid flow patterns in microchannels (T-Shaped Channel) and compared the flow patterns with the experimental observations.
- Ansys Fluent Software was used to perform the simulations.

Calculation of Heat Transfer Coefficient and Heat Transfer Rate for Flow Inside Circular Tube *October 2019 – November 2019*
 Supervisor: **Dr. Milan Kumar**

- Calculated heat transfer coefficient and heat transfer rate for flow inside circular tube. Incorporate all correlations for laminar, turbulent, constant wall temperature, constant heat flux, and small tube.
- The project was executed using C Programming Language.

POSITION OF RESPONSIBILITIES

Student Secretary | AIChE RGIPT Student Chapter *2021 – Present*
Student Member | Training & Placement Cell, RGIPT *2021 - Present*
Designing Head | AIChE RGIPT Student Chapter *2020 - 2021*
Designing Executive | IIChE RGIPT Student Chapter *2019 - 2020*
Event Management Executive | Science & Technical Committee, RGIPT *2019 - 2020*
Volunteer | Gyan-Arpan Social Club, RGIPT *2019 - 2020*

SKILLS

Software Skills:

- Ansys Fluent
- Argonne GREET Model
- Autodesk Auto-CAD | 3D Visualization
- Sketchup | 3D Design Software
- Adobe Photoshop, Adobe Premiere Pro, Adobe After Effects
- Microsoft Office | Word, Excel, Power Point

Computer Languages:

- C, C++

AWARDS & ACHIEVEMENTS

- Awarded third prize in RGIPT Winter School Exhibition-2019 on the project titled 'Wireless Transmission of Electricity'.
- Achieved Certificate of Recognition for the Designing Head at AIChE RGIPT Student Chapter for the academic year 2020-20 21.

EXTRA-CURRICULAR ACTIVITIES

- A member of Institution Football Team.
- Member of the team that worked on the project "Soil Monitoring System" at the RGIPT annual Tech-fest "Urjotsav 2019".

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Signature: *Saurabh Kumar*