

SURAJ ARYAN

Final Year, RGIPT | Chemical Engineering Undergraduate

Male | 30-06-2000

Contact: (+91)-9386912141

ecche19053@rgipt.ac.in

[Suraj Aryan](#)



OBJECTIVE

Looking for new opportunities to work at strong result-oriented work environments that offer me chances to take up challenging tasks and roles that not only help in mine but also my organization's growth.

EDUCATION

COURSE	Institution	Year	CPI/%
B. Tech in Chemical Engineering	Rajiv Gandhi Institute of Petroleum Technology	2019-23	7.80*
XII, (CBSE)	Satyam International	2018	79.4
X, (ICSE)	Don Bosco Academy	2016	86.4

* Up to 6th Semester

INTERNSHIP

Hydrogen- Fuel of the Future | Vocational Trainee | HPCL Visakh (May, 2022- July 2022)

Mentor: Shri Neerudu Raghu, Sr. Manager-Commissioning

- Learned about refinery units present at HPCL Visakh, also how blending in motor spirit pool works.
- Reviewed climate impacts of different production method of Hydrogen, also the role in de-carbonization.

PROJECTS

Topic: Modelling and analysis of biogas production with Aspen. (Jan, 2022- Present)

Faculty Advisor: Dr. Deepak Dwivedi

Objective: To optimize Biogas production by varying different parameters such as OLR, HRT, fat%, temperature.

- Developed model using Aspen Plus on Biogas production via anaerobic digestion.
- Analyzed Biogas production rate using different feedstocks.

Topic: Solar Thermal Technology for Domestic Water Heating. (Jan, 2022- April, 2022)

Faculty Advisor: Dr. Milan Kumar

Objective: Reviewed various solar water heating systems available in the market, including their design, efficiency, and economics.

- Various domestic solar water heating systems were examined for their design and operating parameters.
- Economic analysis was done on the basis of efficiency and power ratings.
- Based on the study, further modification in the design was suggested for better thermal efficiency and better heat transfer.

ACHIEVEMENTS

- Received a travel grant of \$1,000 USD for MAC poster presentation at the AIChE Annual Meeting in Boston in 2021.
- Finished top 10 at Chem-E-Safe, a national level design competition hosted by NIT Rourkela organized at AIChE Student Regional Conference 2020.
- Qualified JEE Advance 2019, secured rank in the top 1% among 15, 00,000 appearing students.
- Recipient of RGIPT Merit Cum-Means Scholarship, awarded to top 5% students for the session 2019-20.

TECHNICAL SKILLS

- Programming Languages:** C, MATLAB, Python
- Tools/Software:** Aspen Plus, AutoCAD, MS Office, DWSIM, Adobe Photoshop

POSITION OF RESPONSIBILITY

- Publication Subcommittee, Co-ordinator | AIChE ESC** July, 22- Present
- Research and Development Officer | AIChE RGIPT** June, 21- Feb, 22
- Competition Reinforcement, Student Executive | AIChE RGIPT** Sept, 20- May, 21
- Corporate and Media Relations, Senior Head | Entrepreneurship Club RGIPT** Sept, 20- Sept, 21
- Student Volunteer | UBA Cell, RGIPT Social Club** Sept, 19-March, 20

EXTRA CURRICULAR ACTIVITIES

- Attended workshop on ANSYS Fluent hosted by Ahemdabad University organized at AIChE SRC 2021.
- Attended Student Regional Conference 2020 hosted by NIT Rourkela.
- Visited Indorama, Jagdishpur as a part of Industrial field trip.