

## SAGNIK DAS

Final Year, RGIPT | Chemical Engineering Undergraduate

Male | 28/10/2000

☎ (+91)-7076363620 | ✉ [eche19045@rgipt.ac.in](mailto:eche19045@rgipt.ac.in), [dassagnik2@gmail.com](mailto:dassagnik2@gmail.com) |  [Sagnik Das](#)



## OBJECTIVE

Final Year Chemical Engineering Undergraduate keen to learn the best practices and acquire knowledge as a Chemical Engineer to serve the industry and society.

## Education

Examination	Institution	Year	CPI/%
Graduation	Rajiv Gandhi Institute of Petroleum Technology	2019-23 <sup>^</sup>	7.71*
Intermediate	Narayana School, CBSE	2018	83
Matriculation	D.A.V Public School, CBSE	2016	95

\* till 6<sup>th</sup> Semester

## INTERNSHIP

**Study and modelling of PEM Electrolyzer | Intern | BPCL R&D, Noida**

*(July 2 -August18 2022)*

**Mentor:** Mr. Rahul Garg

- Objective of the project was to analyze the design and model parameters like velocity, temperature, pressure inside single serpentine flow field of a PEM Electrolyzer for high quality hydrogen production using Ansys Fluent.

## PROJECTS

**Design and modelling of membraneless electrolyzers for low-cost hydrogen production.**

*(August 21-December 21)*

- The project was to develop a multielectrode system design for low-cost hydrogen production and improving the quality of hydrogen produced.

**Development of a MOF doped membrane to achieve xylene separation.**

*(May 2020-June 2020)*

- The project was focused on development of a polymer membrane doped with a MOF material to separate isomers of commercially available xylene for industrial use.

## TECHNICAL SKILLS

- Programming Languages-** C, Python
- Software-** AutoCAD(2D), Aspen Plus, MS Excel, PowerPoint

## EXTRA-CURRICULAR AND ACHIEVEMENTS

- Secured All India Rank **14,837** out of 1,00,000 candidates in **JEE ADVANCED 2019**
- Secured All India Rank **47000** out of 13,00,000 candidates in **JEE MAINS 2019**
- Editorial Executive at IICHe RGIPT Student Chapter (2020-21).
- Taught **Chemistry** and **Physics** to over 50 Underprivileged Students of Class 10<sup>th</sup> and 11<sup>th</sup> for a total of **130 Hours** under **Gyanarpan**-a social initiative by RGIPT.
- Volunteer at Tech Fest Urjotsav, RGIPT