



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2021	M.TECH	IIT Kharagpur	9.14 / 10
2016	B.Tech in Chemical Engineering	BTKIT/UTU	73.54%%
2011	Senior School Certificate Examination	CBSE	83%%
2009	Secondary School Examination	CBSE	86.2%%

COURSEWORK INFORMATION

Core:- Advanced Fluid Dynamics, Advanced Mass Transfer, Advanced Heat Transfer, Advanced Mathematical Techniques in Chemical Engineering, Process Dynamics &Control, Chemical Reaction Engineering.

Electives:- Petroleum Refinery Engineering, Industrial Pollution Control, Manufacturing & Characterization of Polymer Matrix Composites, Instability &Patterning in thin polymer film, Fermentation Technology, Fertilizer Technology, Science of Happiness &Well-being.

WORK EXPERIENCES

Shift In-charge in SHEEL CHAND AGROILS PVT. LTD.

SHEEL CHAND AGROILS PVT. LTD. (03/05/2017 - 09/07/2018)

Responsibilities :

- 1) Maintaining daily production report.
- 2) Maintaining process variable within their operating range in order to maintain product quality.
- 3) Looking after the transportation of oil within the plant to avoid online mixing.
- 4) Man power handling.
- 5) Cooling tower performance.
- 6) Complete transportation of crude oil from railway station to plant.

PROJECTS

M.Tech Project | 2020- present*

Topic:- Modelling &Simulation of Thermal behaviour of Ablative Composites used as insulation in Hypersonic vehicles.

Details:- (i) To develop a model to describe thermal behaviour of ablative material including their chemical response towards environment and the mechanical forces subjected to the re-entry environment. The scope will include the thermal and chemical conditions of the re-entry environment.

(ii) Synthesis of ablative composites by adding preferred additives to eliminate material deficiencies.

B.Tech | 2016

Topic:- Refining of used Engine oil.

Details:- Waste Engine Oil is a pollutant material that requires responsible management. Recycling of waste engine oils treated using acetic acid, led to comparable results with some of the conventional methods.

Face Recognition System | 2014

Successfully completed project "Face Recognition System" based on MATLAB Technology at CETPA INFOTECH PVT. LTD., Lucknow.

SKILLS AND EXPERTISE

Knowledge of Working of Bleacher, Autoclave, Splitter, Deodorizer, Distillation, Solvent Extraction Unit.

Technical Software:- Aspen | MATLAB | MS Word | MS Powerpoint

Coding Language:- C | C++ | Python

Proficient Language:- Hindi | English

INTERNSHIPS

India Glycol Limited

Plant Training of MEG Plant of IGL, Kashipur from 1st June, 2015 to 1st July, 2015.

AWARDS AND ACHIEVEMENTS

GATE | 2019

Qualified GATE - Chemical Engineering 2019 with All India Rank 273.

Gold Medalist

Won Gold Medal in Volleyball at Regional level of K.V.S.

International Jambore/Special Centenary Jambore Camp | 2007

Participated in International Jambore/special Centenary Jambore camp of Bharat Scouts & Guides in Delhi, 2007.

XIV State Rally, Dehradun | 2007 | Bharat Scouts & Guides**Tritiya Sopan testing camp | 2006 | Bharat Scouts & Guides****College Model making competition | SRIJAN | 2013****National level sports fest | SPARDHA | 2013**

Participated in SPARDHA 2013, National level Sports festival of College of Technology, Pantnagar held from October 25, 2013 to October 27, 2013.

EXTRA CURRICULAR ACTIVITIES

Volleyball

Appeared in Rajya Puraskar Testing camp, Bharat Scouts & Guides

Singing