



Area(s) Of Interest : Heat and Mass Transfer, Fluid mechanics

Educational Qualifications	Year	Board/Institution	CGPA*/%
Postgraduate (Ist Year IInd Semester) (Chemical Engineering)	2009	IIT Roorkee	7.640
Undergraduate Overall (Chemical Engineering)	2008	BIT Sindri	75.000
Twelfth Class	2002	JIEC Ranchi	69.000
Tenth Class	2000	BSEB Patna	58.850

*GPA on a scale of 10



INTERNSHIP

Indian Oil Corporation limited, Barauni

Summer Training (21-05-07 to 19-06-07)

The vocational training included comprehensive training in various units like ADU/VDU, RFCCU, CRU, DHDTU, SRU, HGU, COCKER etc. Studying the process manual and followed by field visiting enabled me to gain the idea about the various processes occurring in the petroleum refinery. Prepared a study report on various units of refinery, with more emphasis on Atmospheric Distillation Column, Fluidized Catalytic Cracking Unit and Cocker

PROJECTS

IIT Roorkee

Modelling of Industrial Fixed Bed Reactor for Hydrogenation of Pyrolysis Gasolene (1 year)

Development of model of an industrial fixed bed reactor for the catalytic hydrogenation of pyrolysis gasoline produced from olefin production plant, and validation of this model with the help of data available in open literatures, with the help of software packages like MATLAB, ASPEN PLUS etc

IIT Roorkee

Fouling in Membrane Bioreactor (4 months)

Developed a model for the mechanism of particle deposition on the surface of the membrane and prepared a comprehensive review on the fouling agents, cause of fouling, types of fouling, mechanism of fouling and recommendations to clean the fouled Membrane Bioreactor

BIT Sindri

Performance of Shell & Tube Heat Exchanger (1 year)

Determined the heat duty, Overall heat transfer coefficient and Dirt factor and efficiency of 1-2 shell and tube heat exchanger exist in IOCL Barauni. Presented review of different type heat exchangers used in different processes in industries.

SKILLS AND ACHIEVEMENTS

Computer Languages:

FORTRAN, C

Software Packages:

Microsoft Office, MATLAB, ASPEN PLUS

Academic Achievements:

Secured All India Rank-254 in GATE ,

Languages Known:

English (S/R/W); Hindi (S/R/W); Bangla (S);

EXTRA CURRICULARS

Model Presentation (2006)

Constructed a static model of the ADU unit of the IOCL, Barauni, refinery and described the process occurring in same unit and got appreciation of the judges.

Cricket (2006-08)

Served as Vice-Captain of Chemical Engg. team and participated in Inter Branch Cricket Tournament held on BIT Sindri, organised by Sports Club.

Technical Paper Presentation (2009)

Presented a Paper during the COGNIGENCE-2009, at IIT Roorkee. A process to enhance the production of Gasolene from Crude Oil with the help of ETBE Reactive distillation & optimised the process.

Choreography (2007)

Participated in a Group Choreography Competition during XENIUM-2007, at BIT Sindri.

Social (2006-09)

Volunteered in many college programmes like XENIUM, KISLAY, 3rd Uttarakhand State Science & Technology Congress-2008.

PERSONAL DETAILS

Fathers name : Shanichar Saw

Date of Birth : 17-05-1985

Gender : Male

Category : O. B. C

Permanent Address : At+Po-Pordag, Dist-Giridih Giridih 825106

Present Address : Cautley Bhawan, S-58, IIT Roorkee, Uttaranchal-247667

Permanent Phone No : +91-9939583218

Phone No : +91-9557640383

REFERENCES

Prof. V.K. AGARWAL

vijayfch@iitr.ernet.in

01332-285718

Dr. Ravindra Bhargava

ravibfch@iitr.ernet.in

01332-285382