



Anirudh Singh Chouhan
Chemical Engineering
Indian Institute of Technology, Bombay
Specialization: Chemical Engineering

113020006
M.Tech.
Male
DOB: 24-11-1988

Examination	University	Institute	Year	CPI / %
Post Graduation	IIT Bombay	IIT Bombay	2012	7.23
Undergraduate Specialization: Chemical Engineering				
Graduation	VNIT Nagpur	VNIT Nagpur	2011	7.57
Intermediate/+2	CBSE	Jaipruria Vidyalaya, Jaipur	2007	82.80
Matriculation	CBSE	Jaipruria Vidyalaya, Jaipur	2005	91.20

Scholastic Achievements

- All India Ranking 39 amongst 12994 students in GATE 2011
- Secured 2nd rank in school in matriculation

Leadership experience and Position of responsibility

Departmental Representative, PG, Chemical Department, IIT Bombay [2012 onwards]

- Worked with CHEA council members for proper planning and execution of departmental activities for the students.
- Organized orientation for junior batches to provide them insight into the department and to increase interaction with seniors.
- Updated departmental alumni database and maintain good institute-alumni relations

Coordinator, AZeotropy, Annual Departmental Techfest, IIT Bombay [Mar 2012]

- Overall management of the 'Design Event'
- Organized 'Paper Presentation Competition' for both research and review category

Technical Secretary, Chemical Department, VNIT Nagpur [2009-2010]

- Conducted several Guest lectures by distinguished personalities from industry and academics.
- Organized along with a team of members the conference on "Nanomaterials and Nanotechnology" in VNIT Nagpur.

Companion, Student Companion Program, IIT Bombay [Jul 2012-onwards]

- Organized an overall orientation session for freshers
- Initiated informal interactive sessions with juniors to understand their academic, non-academic problems and tried to solve those problems

Coordinator, Techpedia (SRISTI) Project [May- June 2009]

- Worked under the remote guidance of Prof. Anil. K .Gupta, IIM Ahmadabad.
- Coordinated with a team for collection of Engineering projects to make a comprehensive database
- Link between bright ideas and potential investors.

Internships

Flow assurance of oil pipelines by electric heating [May-June 2010]

(Institute for Oil and Gas production technology, ONGC Mumbai)

- Calculated the heat loss and efficiency of methods used for preventing pipeline clogging.
- Design the overall heating and insulation system intend to be used by ONGC
- ONGC Uran plant visit: studied the initial processing of crude oil

Industrial Plant training in the Calcium carbide unit

[June-July 2010]

(DCM Shriram Consolidated Limited (DSCL), Kota, RAJ)

- Learnt about the basic raw material, equipments and operation involved
- Designed a waste heat recovery boiler to improve the plant energy efficiency

Projects & Seminars**Production of Polycrystalline silicon by Chemical vapour deposition(CVD)** [May 2012 –now]

(M.Tech Project at IIT Bombay under the guidance of Prof. S. Mahajani and Prof. R. S. Malik)

- Kinetic modeling of Gas-Solid reactions in CVD reactor for SiHCl_3 and hydrogen system in **Matlab**
- RTD experimented conducted to understand the flow distribution inside the reactor
- Polysilicon has been **characterized** by XRD, SEM and TEM.

Decolourisation of industrial effluent of paint industry

[Jan – April 2011]

(B.Tech Project at VNIT Nagpur under guidance of Dr. D.Z. Shende)

- Case studied the live **industrial problem** of Shree paint Industry, Nagpur
- Experimentally studied the effectiveness, costing and efficiency of different process available
- Optimized the cost of process and design the most economically efficient combination of processes

Utilization of waste paper pulp for making light weight Paper Bricks

[2008 – 2009]

(Mini project under Dr. Sachin Mandavgane, Dept. of Chemical Engineering, VNIT Nagpur)

- Analyzed important structural properties and evaluated overall performance
- Application involves housing in earthquake prone areas and sound proof material

Co-Curricular Activities

- **Winner** of “J K White design Challenge” in **Techkriti**, Technical fest of **IIT Kanpur** [Feb’2009]
- Participated in Industrial Defined problem of Azeotropy, 2012. [Mar’2012]
- Presented a paper in the Axis, Techfest, VNIT Nagpur. [Oct’2010]
- Participated in the Business Plan competition of AZeotropy, IIT Bombay. [Mar’2009]
- Delegated in the national seminar on “Hazards and hazardous Waste management in Chemical Industry” organized by IICHE-NEERI, Nagpur. [April, 2009]

Extra-Curricular Activities

- Was active member of the “PRAYAAS” club in VNIT Nagpur serving for the upliftment of poor people
- Organized the first ever techno-social fest “Renaissance” in VNIT Nagpur. [March 2010]
- Was awarded ‘B’ and ‘C’ certificate for completing **NCC** training [2008-2010]
- Participated in inter departmental Drama competition in PG cult, IIT Bombay [Feb’2012]
- Was among the **finalist** in Quizfest, VNIT Nagpur [Feb’2008]
- Pursuing a **Japanese** Language course from IIT Bombay [July-Nov 2012]

Software Skills

- Matlab, Fluent and Aspen Plus
- C/C++ and Java