



Anant Prakash
Chemical Engineering
Indian Institute of Technology, Bombay

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B.Tech.
Male
DOB: 11-05-1990

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	7.14

POSITIONS OF RESPONSIBILITY

GENERAL SECRETARY, DEPARTMENT OF CHEMICAL ENGINEERING, IIT BOMBAY [Apr 11 – Present]

- Leading a 10 member council to govern all the departmental activities and academic affairs
- Introduced **placement mentoring** and **industrial perspective lectures** through alumni to help students make informed career decisions
- Accomplished academic **curriculum review**; implementing changes in course structure as per the feedback
- Facilitated easy access of academic information to students by revamping department website
- Launched a drive against **plagiarism** in the department by coordinating with Academic Mentor Team

INTERNSHIP COORDINATOR, PRACTICAL TRAINING CELL, IIT BOMBAY [Apr 10 – Apr 11]

- Part of 24 member team responsible for providing internship opportunities to over 700 students
- Forged relations with over 60 companies & 10 international universities and increased the number of chemical industries visiting campus from 14 to 29 contributing to **40% y-o-y rise** in internship offers
- Organized Group Discussion & Personal Interview workshops by professionals to help students

EXECUTION IN-CHARGE, AZEOTROPY - CHEMICAL DEPARTMENT TECHNICAL SYMPOSIUM [Apr 10 – Apr 11]

- Supervised logistics for the symposium involving 12 events & competitions and more than 2000 registrations
- Introduced the **Best Contingent Trophy**; adding 15 new colleges and increasing y-o-y participation by 25%

INDUSTRIAL EXPERIENCE

RELIANCE INDUSTRIES LIMITED, JAMNAGAR [May 11 – Jul 11]

- Structured a **mathematical model** to characterize gas turbine operations employing artificially generated turbine component maps; validated the model with plant operating data
- Investigated the possibility of using **syn gas to replace natural gas** as the firing fuel in the combustion chamber of gas turbine based on the model; revised the power output for the fuel switch
- Received a **Pre-Placement Offer** for full time employment at Jamnagar Division

OIL AND NATURAL GAS CORPORATION, MUMBAI [May 10 – Jun 10]

- Quantified **corrosion in oil wells** due to use of brine solution through a series of electro-chemical experiments
- Identified quinoline based corrosion inhibitor to be the most appropriate among the given chemicals and computed the optimum quantity of its doses; recommendations to be used at Geleki Oil-field, Assam

KEY ACADEMIC PROJECTS

GLOBAL FINANCIAL CRISIS AND ENERGY DEMAND [Feb 11 – Apr 11]

- Consolidated 10 years data for consumption and production of energy resources along with GDP
- Devised a **linear regression model** using MATLAB to understand the correlation between financial crisis and demand & supply of energy resources of different economies

BIOSYNTH [Jul 09 – Apr 10]

- Member of R&D team to set up **biodiesel production facility** (Budget: INR 50 lakh); awarded **first prize** at Industrial Green Chemistry Workshop, India, for innovation
- Optimized and standardized the entire process of biodiesel production through intensive laboratory runs and scaled up the process protocol to a **200L/batch capacity** plant

EXTRA-CURRICULAR ACTIVITIES

COMMUNITY SERVICE

- Developed academic content and tutored underprivileged children at slums of Suman Nagar, Mumbai under the Protsahan project of **Pankhudi Foundation (NGO)**
- Recommended improvements to enhance the efficiency of cottage industries through a 5-day camp in Melghat, Maharashtra as an active member of **Group for Rural Activities, IIT Bombay**
- Volunteered for **National Service Scheme (NSS)** to aid academically weak students at Kendriya Vidyalaya, Powai

MISCELLANEOUS

- Worked on the **Editorial Board** of Aawaaz – Institute Hindi Newsletter and drafted 12 articles for 5 issues
- Pursuing certification course in **Intellectual Property Rights** from School of Management, IIT Bombay