

Pushkar Ballal

M.Tech. Chemical Engineering (2012-14)
IIT Bombay
B.Tech Process Engineering with MBA
(Operations Management) (2007-12)
IIT Roorkee

Contact Info:

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Madhya Pradesh.
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Area of Interest: Process System engineering, Process Design, Supply chain Management, Project Management.

EDUCATION

Year	Degree/Certificate	Institute	CGPA/%
2012	M.Tech	IIT Bombay	- NA -
2007-12	B.Tech + MBA	IIT Roorkee	7.94/10.0
2006	Class XII (CBSE)	Kendriya Vidhyalaya No.2, Bhopal	82.4%
2004	Class X (CBSE)	Kendriya Vidhyalaya No.2, Bhopal	81.0%



INTERNSHIP AND PROJECTS

AMUL, Anand, Gujarat
(May-July, 2011)

Supply Chain Management

- Study of 3 Tier AMUL Brand structure from root level to customer level.
- Calculated the loss due to curd formation while transportation. Suggested solution for production of alternative products to reduce the losses.

ONGC Hazira, Surat, Gujarat
(May-July, 2010)

Optimizing H₂S absorption in Gas Sweetening Unit (GSU).

- To minimize the H₂S conc. by optimizing the various parameters Inlet gas temperatures, Inlet gas pressure and feed gas flow rate.
- Studied various gas processing units including Effluent Treatment Plant.

LUPIN Pharma. Ltd, Mandideep, Bhopal
(May-June, 2009)

Vocational Training

- Internship in Process Engineering Department aimed to study the bulk drug facility unit and API production plant.
- Studied the recovery of DMF and mass & energy balance for different cuts. Calculated heat duty and heat exchange area of condenser and suggested for replacement of same due to fouling.

B.Tech. Major Project IIT Roorkee
(August 2010 - May 2011)

Production of Methanol and Di-Methyl Ether from coke and biomass gasification

- Study included multiple feedstocks such as Coal, Coke and Biomass for the purpose of partial gasification to synthesis gas. Various types of reactors and suitable technology for all the different process sections including catalyst were considered. Developed process flow sheets for the complete plant including heat integration. Suggested different Safety and alarm systems.

Software Skills: Adobe Photoshop, COREL Graphic Suite 12, Microsoft Visio, MS Office. MS Visual Basic.

Additional Courses Taken: Marketing Management, Total Quality Management, Inventory Management, Project Management, MIS, Business Statistics.

Languages Known: English (S/R/W), Hindi (S/R/W) and Marathi (S/R/W).

ACADEMIC ACHIEVEMENTS:

- Secured All India Rank 2368 (out of nearly 350,000) in IITJEE (Equivalent **99.3 percentile**).
- Secured State rank 87 in the AIEEE 2007 (Equivalent **99.8 percentile**).
- Distinctive Performance in 2nd National Cyber Olympiad 2002.
- Won 2nd prize in Poster and Model Presentation 'Samadhan' (Cognizance'09) - this involved solution to a live industrial problem.

EXTRACURRICULAR:

- Design Team head: Headed design team for Marketing and Publicity of many cultural events at IIT Roorkee. (2009-10)
- Fine Arts Club: Founding secretary of club in campus, organized many workshops including Calligraphy, Clay Modeling, Bamboo and Sketching.(2009-10)
- Gold medalist in Tennis Inter Year Tournament held at IIT Roorkee Saharanpur campus in year 2009-10.
- Limca Book World Record holder: Contributed in world's largest hand-drawn political world map of size 18.6 x10 m.(2011)