



Vijay Bhan Sharma
Metallurgical Engineering and Materials Science
Indian Institute of Technology, Bombay
Specialization: CORROSION ENGINEERING

10316012
M.Tech.
Male
DOB: 15/08/1987

Examination	University	Institute	Year	CPI / %
Post Graduation	IIT Bombay	IIT Bombay	2011	7.97
	Post Graduation Diploma in Business Administration/ Symbiosis International University	SCDL, PUNE	2011	60.33
Undergraduate Specialization: ORGANIC CHEMISTRY				
Graduation	UNIV. OF RAJASTHAN	MSJ COLLEGE BHARATPUR	2005	69.11
Intermediate/+2	RBSE AJMER	BADANSINGH SEN. SCE.SCHOOL BHARATPUR	2002	71.08
Matriculation	RBSE AJMER	SEC.SCHOOL AGHAPUR ,BHARATPUR	2000	69.33

PROFILE

Seeking a position in the organization, where I can utilise the knowledge, skills, and abilities that I have developed so far and can be an important part in the growth of the organization

INDUSTRIAL EXPERIENCE

Hindustan Zinc limited (Vedanta Pvt. Ltd. Co.) at CLZS Chittorgarh Rajasthan (Dec.06 - Jul.10)

- **Certificate training course:** Birla Institute of Technology and Science(BITS), Pilani (Feb, 2007)
 -Title of course: *Academic development program in basic process engineering*
 -Modules: Management principle, Financial and Managerial Accounting, Maintenance Management, Workshop practices
- Worked as a **Process Associate** in the Department of Melting & Casting under Cell House ,SBU
- Successfully managed shift operations, controlling process parameters using DCS to optimise zinc production with the capacity of **500 tonnes per day**
- Actively involved in the commissioning of **1.7 lac tonnes per annum capacity** Zinc plant
- Commissioned cooling tower, Bag Filters, VEG Filters, Heat Exchangers, Pneumatic Conveying System and Zinc Melting Inductor Furnace
- Operated **Staking Robot** for transportation and warehousing of finished zing metal lots
- Awarded for good performance in the financial year 2009-2010

POSITION OF REponsibility

Event Organiser: Techfest 2010-11

- Worked in a team of 25 members responsible for successful hospitality of Techfest 2010-11
- Handled the accommodation of more than 2000 participant (inside and outside) the campus
- Techfest is Asia's largest science and technological festival. It had a foot fall of 76000 in 2010-11

Coordinator: Student Alumni Relation Cell (SARC), IIT Bombay (Since August- 2011)

- **Volunteer:** Interacted with Alumni for ASMP, SJRU, Fund raising for SARC in **Phonathon 2011**
- **SAM 2011:** Operation and Resource Manager for Student Alumni Meet to be held in Sept. 2011

Organiser: Material Research Symposium (MR 11) (May- 2011)

- Conducted the material research symposium 2011 at IIT Bombay
- Member of Operation and Technical Committee for the Symposium

Class representative: Corrosion Science and Engineering, IIT Bombay (2010-2011)

- Responsible for academic and extracurricular activities of the class
- Facilitated the Guest lecture series for corrosion engineering class from various industries such as **L&T, Reliance Industries, NMRL**, with Prof. V. S. Raja at IIT Bombay

Membership: National Association of Corrosion Engineer (NACE) (Since 2010)

- Organiser for corrosion awareness talks and seminars on current issues of corrosion in India
- Extensive focus upon cathode protection engineering

KEY ACADEMIC ENDEAVORS

M.Tech Project: To develop and characterize layer by layer (LBL) film of Carbon Nano Tubes and polymer for FDPs and sensor applications (Ongoing)

- **Objective:** The project aims at generating alternate layers of thin film using CNT and polymer by LBL method
- **Methodology:** Method involves sequential deposition of alternating layers of CNT and polymer on silicon wafer substrate. Synthesis of a new modifier sodium salt of adipic acid for CNTs to improve their dispersion
- **Result:** The spatial uniformity is to be confirmed by HR TEM, UV-visible spectroscopy and other experiments for electrical and optical applications

M.Tech seminar: Biodegradable polymers (Jul.-Oct .2010)

- Literature survey on generation, application and recycling of biodegradable polymers
- Reviewed on improving properties of biodegradable polymers such as thermal stability, mechanical strength and chemical durability for engineering application

IPR workshop: Pursuing Intellectual property right **(IPR) workshop** conducted by Shailesh J. Mehta School of Management IIT Bombay (Ongoing)

MAJOR COURSE WORKS

- **M.Tech:** Corrosion Control Practices for Industries, High Temperature Corrosion, Non Crystalline Material, Cathodic Protection Engineering, Protective Coating
- **PGDBM:** Financial Management, Management Accounting, International Marketing, Business Law, Human Resource Management, Managerial Economics

AWARDS AND ACHIEVEMENTS

- Rewarded for excellent commitment and dedicated contribution in the commissioning of 1.7 lac tonnes per Annum capacity zinc expansion project at Hindustan Zinc Limited (Jan. 2008)
- **Teaching experience** at *AVVM Sen. Sec. school Bharatpur, Rajasthan* (Jul. 2006-Apr. 2007)

EXTRA CURRICULAR ACTIVITIES

Photography competition on the Independence Day celebrations (Aug. 2011)

- Photograph got selected in top ten photos among 500 students of H-12 for exhibition at IIT Bombay

Workshop: Environmentally Assisted Cracking (Sept. 2010)

- Organised and participated in Workshop on Environmentally Assisted Cracking organised by MEMS, IIT Bombay and NACE India student section
- Responsible for providing strategic inputs for the workshop

Teaching Assistantship: Library Management (Jan.- Jun. 2011)

- TA ship in library management and maintaining 5S at library under supervision of Prof. M.P. Gururajan at IIT Bombay

Volunteer: National Service Scheme (NSS) (Aug. 2000- Jan. 2004)

- Volunteer for NSS (Govt. of India Sponsored program) for 4 years at college and school level
- Attended several self development and social awareness camps

Bharat scout guide

- **3rd Sopan** certificate membership at higher secondary school level (Jul. 1998-Nov. 2000)
- Attended one day **Hiking camp** at Kela Devi mountain Jheel Bharatpur Rajasthan

OTHER INFORMATIONS

- **Computer proficiency:** SAP, C, C++
- **Instrument awareness:** UV-visible spectrometer, Ultrasonicator, Vacuum oven, Twin screw micro compounder with Injection moulding, Scanning electron microscopy (SEM), FT IR spectroscopy, Salt spray, differential scanning calorimetry (DSC), High resolution transmission electron microscopy (HR TEM), Ellipsometry
- **Hobbies:** Photography, singing, social services, outdoor games