

Shashikant Burnwal | 06ME3109

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EDUCATION

Year	Degree/ Certificate	University/School	CGPA/%	Rank
2006-11	B.Tech(Dual) in Mechanical Engineering	IIT, Kharagpur	8.24 / 10	3 rd (in dual Manufacturing)
2004	CBSE(Higher Secondary Examination)	DAV Shyamali, Ranchi	83%	-
2002	CBSE (Senior Secondary Examination)	JNV, Deoghar	90.6%	1 st

ACADEMIC ACHIEVEMENTS

- Received Incubate **funding by DST**, India (Department of Science and Technology) to do project on energy requirements for rural communities (2009).
- Finalist in GE Edison Challenge**-09 and offered internship at GE-Bangalore.
- All India Rank of **9** in **VITEEE**-2006(Vellore Institute of Technology Entrance Exam) among 95,000 candidates.
- J.N.V. Merit** Scholarship for securing 1st rank from 6th to 10th class.

PUBLICATION

- Published** the paper "Flow rate prediction for an adiabatic capillary tube in a transcritical CO₂ system an analytic approach" — Bhattacharyya et al, 10.1093/ijlct/ctq033— in **International Journal of Low-Carbon Technologies**

SUMMER INTERSHIPS/ INDUSTRIAL TRAINING

Organization: Bharat Dynamics Limited, Hyderabad

Period: May – July, 2009

- Led a team of 4 summer interns to build software module of **ERP** for capacity planning, prioritization, component scheduling and routing of multiple products.
- Improvement in delivery and **reducing the operational time of division by 15%**.

Organization: Kasturba Medical Hospital, Manipal

Period: May – June, 2010

- Act as Project assistant to reduce the patient discharge time by 50% of current time to help hospital to increase patients' satisfaction level and admission numbers.
- Helped hospital to predict patients flow on day basis and thus manage their resources effectively according to demands.

Organization: Bhabha Atomic Research Center, Mumbai

Period: May – July, 2008

- Worked in a team of 12 members to build solid model of a robot capable of going nuclear reactor and working there.
- Project was **to be implemented in Kalpakkam**, Tamilnadu, first of its kind in country having **budget of Rs.60 lakhs**.

ACADEMIC PROJECT

- A new technique 'Cuckoo Search' is applied for Scheduling Optimization in **Flexible Machining System** as M.Tech project. A research paper is communicated to **International Journal of Advanced Manufacturing**.
- Got 'A' Grade during evaluation of B.Tech Project "Development of a three-finger under-actuated Robotic hand."

POSITIONS OF RESPONSIBILITY

Associate, Edudigm (A start-up by IIT KGP Alumni), (2009-10)

- Worked on marketing and business development aspects by collaborating with schools in Ranchi and Asansol region.
- 4 schools have been tied-up with Edudigm. Expected revenue generation is **Rs.15 lakhs per annum**.

Project leader, Structural team STUSAT, (2008)

- Led the structural team consisting of 10 members to prepare a draft for thermal subsystem of proposed satellite submitted to **ISRO**.
- The proposal has been accepted by ISRO and ₹20 lakhs funding was given for building a micro-satellite.

Organizer, All Bihar JNV Alumni meet (2007)

- Organized All Bihar Alumni meet-2007 at JNV, Bokaro. Visited 5 JNV schools to mentor students and build alumni network for JNV organization.

EXTRA CURRICULAR ACTIVITIES

- First** prize in Case Study competition "Inteli Direct" in Samudra Manthan'10.
- First** prize in Robotics event "Finding Nemo" in Samudra Manthan'10.
- First** prize in Quiz event 'Geo Spectrum' in Prithvi'10.
- Got** Certificate for attending workshop on Globalization, Strategy and Leadership from VGSOM, Kharagpur.