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Ashish Balsawer

AIM To attain excellence in my professional career and to lead a quality personal life.

ACADEMICS

Examination	University	Institute	Specialization	Year	CPI / %
Post Graduation	IIT Bombay	IIT Bombay	M.Tech Structures	2006	9.00
Graduation	Mumbai	M.H.S.S. College of Engg	B. E. Construction	2000	62.20
Intermediate/+2	H.S.C. Mumbai	R.D. National College	-	1995	85.33
Matriculation	S.S.C. Mumbai	B.P.M. High School	-	1993	82.00

M.TECH DISSERTATION

Cycle Counting techniques for fatigue analysis of structures under the guidance of **Prof.**

Yogesh M. Desai (Civil Engg) and Prof. N.K. Naik (Aerospace Engg)

- ◆ Confronts the problem of fatigue in structures caused by variable amplitude (VA) load.
- ◆ Code being developed to account for the load range, cycle count and load sequencing.
- ◆ **Technical paper presented at the XIVth National Aerospace Seminar organized by the Indian Air Force and VNIT, Nagpur.**

M.TECH COURSES COMPLETED AT IIT BOMBAY

- ◆ Structural Dynamics
 - ◆ Marine Structures
 - ◆ Structural Stability
 - ◆ Numerical Methods
 - ◆ Reliability based Civil Engineering Design
 - ◆ Finite Element Analysis
 - ◆ Earthquake Engineering
 - ◆ Advanced Structural Mechanics
 - ◆ Advanced Solid Mechanics
 - ◆ Modern Information Systems
 - ◆ Attended additional courses conducted on Analysis and Design of Offshore Structures conducted by Prof. M.C. Deo at the Civil Engineering Department.
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PROFESSIONAL EXPERIENCE

My primary role as a **Structural Design Engineer** involved the following tasks:

- ◆ Studying architectural drawings for feasibility of structure.
- ◆ Preparing preliminary schematic layouts, obtaining approval from the client and the architect.
- ◆ Analysis and design in accordance with the prevailing relevant **Standard Code of Practice**.
- ◆ Verifying structural drawings prepared in CAD.
- ◆ Site visits for solving problems in different stages of construction.

June 2003 – July 2004 **Jacobs Babbie India Pvt. Ltd.**

Projects completed

- ◆ Design of Templeborough Pratt truss bridge of 45m span carrying gas pipeline over a water body.
- ◆ Analysis, design and detailing of buildings for the Government Polytechnic at Bhuj, as part of the Gujarat Earthquake Rehabilitation programme.
- ◆ Pedestrian Subway for IIM Ahmedabad, which connects the new campus with the old campus.
- ◆ Analysis and design of residential buildings for the new township at Mundra for P&O Ports Ltd.

July 2002 – June 2003 **Dr. Kelkar Consultants Pvt. Ltd.**

Industrial & Commercial projects handled

- ◆ Proposed structural modification of DP Godown for Clariant (I) Ltd.
- ◆ Proposed structural modification of BG–LS Warehouse for Bayer (I) Ltd.
- ◆ Preliminary design and finite element modeling of Lotus Temple at Bharuch for Ma Anandi Trust.
- ◆ 3-D analysis using STAAD of a circular car parking structure at Siemens (I) Ltd, Worli, Mumbai for V.J.Joshi & Associates.

Residential projects handled

- ◆ 3-D analysis using STAAD of a circular car parking structure at Siemens (I) Ltd, Worli, Mumbai for V.J.Joshi & Associates.
 - ◆ 24 storied tower & 3 storied parking structure at Parel, Mumbai for Kalpataru Developers.
Grid analysis for computation of vertical loads, 3D analysis by seismic coefficient method, Design of raft foundations.
 - ◆ 3-D Analysis using ETABs of a G+20 storied building situated at Ali Umer Street, Bhuleshwar, Mumbai for V.J.Joshi & Associates.
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- ◆ Design of piled foundations and columns for G+16 storied building at Agar Bazar for Suraj Estate Developers Pvt. Ltd.
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Aug 2000 – July 2002

Stadd Engineers, Mumbai.

Projects completed

- ◆ Analysis & design of proposed 11 storied Tower for Bharat Diamond Bourse, Bandra – Kurla Complex, Mumbai.
 - ◆ 3-D Analysis of G+16 storied tower at Kandivili, Mumbai for Lokhandwala Builders and M/s. Vora & Associates.
 - ◆ Analysis and design of G+3 storied buildings of a Low Cost Mass Housing project at Ghansoli, Navi Mumbai for Simplex Concrete Piles (I) Ltd.
 - ◆ Analysis and design of indoor stadium at Nashik for CIDCO.
 - ◆ Tender estimation and supervision of the structural repairs residential buildings of ARISTO C.H.S., Andheri (East), Mumbai.
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COMPUTER SKILLS

- ◆ Structural analysis software: ANSYS, ETABs, STAAD, Drain2DX
 - ◆ Operating systems: MS DOS/Windows, Linux
 - ◆ Programming languages: C/C++, Fortran, VB
 - ◆ Origin, MS Office
 - ◆ Mathematical/Programming software: MatLab
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SPORTING, ORGANISATIONAL & CULTURAL ACTIVITIES

- ◆ Successfully completed the **Basic Mountaineering Course** conducted by the **Directorate of Mountaineering & Allied Sports (D.M.A.S.)**, Manali, Himachal Pradesh in July 2006.
 - ◆ I was part of the winning team at the **Inter-department PG cricket tournament** at IIT Bombay in February 2006.
 - ◆ Represented M.H. Saboo Siddik College of Engineering at the **Intercollegiate Volleyball Tournament** of Mumbai University in Feb 2000.
 - ◆ Elected as the **Placement Representative** for M.Techs & D.D.s, of the Civil Engineering Department, IIT Bombay for year 2005-06.
 - ◆ Elected as **Sports Secretary** of The Saraswat Club, Santacruz (W) for the year 2002-03.
 - ◆ Learnt **Tabla** under the guidance of **Pt. Shashikant Mulye** and accompanied many vocalists.
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REFERENCES**Dr. Yogesh M. Desai**

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