





PERSONAL INFORMATION

Amol Mankar



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STUDIES APPLIED FOR

PHD

WORK EXPERIENCE

26 Sep 2006–24 Dec 2009

Senior Structural Engineer

Engineer India Limited, Delhi (India)

Started career with Engineers India Limited (EIL, a Government of India Undertaking) as first Company after passing out from one of the Premier Institute 'Indian Institute of Technology Roorkee' (IIT Roorkee) with Gold Medal in 'Master of Technology' in Structural Engineering in 2006. Worked in EIL in various projects in FEED and Conceptual Engineering along with Detailed Engineering of the Jacket type of the Structures. SACS software is extensively used during this phase. Developed an Excel program to perform Manual inplace analysis to decide on pile configuration during conceptual design.

25 Dec 2009–14 Feb 2012

Assistant Manager Structural

Larsen and Toubro, Mumbai (India)

In Dec 2009 Joined Larsen and Toubro (L&T), one of the leading Asia's leading construction Company. Worked as Lead Structural engineer involved in various activities related to Detailed Engineering, Loadout Engineering, Transportation Engineering & Installation Engineering.

15 Feb 2012–10 Apr 2014

Senior Structural Engineer

DNV GL AS Mumbai, Mumbai (India)

Requalification and Life extension of the 34 Jackets which have outlived their design life. Advanced analyses in the form of Risk Based inspection planning, Non-Linear Pushover Analyses, Member Importance Analyses, Advanced fatigue analyses including Design Level (In-Place) and Deterministic fatigue analyses are carried out for life extension of these Jackets. USFOS and SESAM (Old Suite & Genie) is extensively used during this phase.

As part of life extension project got deputation at Denmark Copenhagen and Norway Hovik to work on advanced analyses for a duration of 6 months.

11 Apr 2014–Present

Senior Structural Engineer

DNV GL AS Abu Dhabi, Abu Dhabi (United Arab Emirates)

In April 2014 Joined Abu Dhabi Team of DNV and continued working on Ageing assed projects specifically for RASGAS platforms and continued mentoring support to Mumbai team.

EDUCATION AND TRAINING

1 Jun 2004–15 Jul 2006

Masters of Technology

Indian Institute of Roorkee, Roorkee (India)

Subject Studied

Advanced Structural Analysis, Concrete Structures, Continuum Mechanics, Metal Structures, Finite

Element Analysis, Design of plates and Shells, Analysis and Design for Dynamic Effects, Mechanics of Solids, CAD of structures, Multistoried Buildings

Achievements:

Best Student award in 2006, Stood first in Masters in IIT Roorkee with Gold Medal

[Related document\(s\):](#) Transcripts_Masters.pdf, Masters_grades_Converted_to_Danish_System.pdf, Master of technology UAE Attested.pdf

1 Jun 2001–30 Apr 2004

Bachelors in Civil Engineering

Veermata Jijabai Technological Institute (VJTI, Mumbai University), Mumbai (India)

Subject Studied are,

Applied Mathematics, Strength of Materials, Engg. Geology, Construction materials and testing, Surveying, Construction Engineering, Structural Analysis, Fluid Mechanics, Building Design & Drawing, Transportation Engineering, Applied Hydraulics, Soil Mechanics, Design and Draing of Steel Structures. Concrete Technology and Reinforced Concrete. Foundation Engineering. Computer Applications in Civil Engineering, Theory of Reinforced Concrete & Prestressed Concrete, Environmental Engineering, Irrigation Engineering, Quantity Surveying Estimating and Valuation, Elective: Advanced Structural Analysis, Design and Drawing of concrete Strctures, Construction Management Construction, Engineering-II Elective: Advanced Structural Dynamics

Achievements:

Passed Graduate Aptitude Test in Engineering with All India Rank of 36 with 99.59 Percentile score

[Related document\(s\):](#) Transcripts_Bacholers.pdf, Bacholers_grades_Converted_to_Danish_System.pdf, Bachlor of Engineering UAE Attested.pdf

1 Jun 1998–30 Apr 2001

Diploma in Civil and Rural Engineering

Institute of Civil and Rural Engineering, Gargoti (India)

Subject studied,

Applied Mathematics, strength of materials, Surveying, Theory and Design of steel and concrete structures

[Related document\(s\):](#) Transcripts_Diploma.pdf, Certificate_Diploma.pdf

12 Jun 1997–30 Apr 1998

Secondary School Certificate Examination

Maharashtra State Secondary and Higher Secondary School Education Pune (India)

Marathi, Hindi, English, Sciences, Social Sciences, History, Geography, Economics, Mathematics.

[Related document\(s\):](#) Certificate_SSC.pdf

PERSONAL SKILLS

Mother tongue(s) Marathi

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Hindi	C2	C2	C2	C2	C2
English	C2	C2	C2	C2	C2
Arabic		A1			A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

2016: Seller Doer classroom Course.

2015: Kick-off: Introduction to concepts and training

2014: DNV GL Code of Conduct – An introduction to expected conduct and behavior in daily business
 2012: Dwd – Dealing with Dilemmas, web
 2012: MIP for Employees

Organisational / managerial skills

2015: Design verification - Impact on how we work

2015: The Design Verification process for Project Team Members
 2015: NPS workshop – basic for DC (NPS functionality for design verification projects)
 2015: NPS workshop – basic for PM/PTM
 2015: Design Verification - High quality comments

2015: Introduction to Fieldwork HSE Handbook
 2014: Project Management in Oil & Gas – Intro to our Common Way of Working
 2014: Project Management in Oil & Gas - Affinitas Training
 2014: Project Management the DNV Way
 2014: CRM Affinitas - Sales Process Oil & Gas
 2014: 2010w DNV GL's approach to Anti-Corruption and Anti-Trust – An Introduction
 2014: PM Essentials WEB-course

2014: WE in DNV GL, web
 2014: HSE in DNV GL - Travel safety
 2014: HSE in DNV GL - Incident reporting
 2014: Risk Management Intro, web
 2013: Introduction to Quality Event Tracker (QET) Web

2012: Affinitas training

2012: Basic Health, Safety and Environment, web

2012: Defensive Driving
 2012: WE in DNV, web
 2012: Project Manager DNV Way
 2012: Field work Health and Safety (web)
 2012: Office Ergonomics

Job-related skills

2016: NDT web Primer
 2016: Knowledge Booster Risk Based Inspections at Abu DHabi
 2016: Introduction to RBI for Offshore Structures, web
 2013: Knowledge Booster for USFOS analyses at Copenhagen
 2012: SE-10 Progressive collapse analysis
 2010: Reliability of Offshore Structures
 2009: Advanced Sensing Technologies for Civil Engineers
 2007: Offshore structures

Related document(s): [Certificate_Advanced_Sensing_technologies.pdf](#),
[Certificate_Reliability_of_Offshore_Structures.pdf](#)

Digital competence

SELF-ASSESSMENT

Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Proficient user	Basic user	Basic user	Basic user

Digital competences - Self-assessment grid

Programming Language: C and C++

Excellent hands on experience in Structural Analysis & Design: USFOS, SESAM, SACS, ANSYS, STAAD PRO.

ADDITIONAL INFORMATION

Conferences

Paper Published in IORS 2014- International conference in Mumbai(India): Presented on 11th Sept 2014

Title: "Decision based on state of art non-linear analyses can result in substantial benefits for ageing fixed platform"

Discussion in National conference at Roorkee on sloshing of liquids, year 2006.

Published a paper on Composite multicell briges in international bridge conference in Roorkee, 2006.

[Related document\(s\): Certificate_Bridge_international_conference.pdf](#)

Projects

Worked on life extension of 34 offshore jackets of ONGC as lead engineer carrying out Design Level Analyses for representative structures (In-Place and Deterministic Fatigue analysis), review of ONGC carried out analyses for remaining structures, carried out non linear pushover analysis along with team as mentor for 16 offshore platforms, carried out member importance analysis of representative platforms.

Currently working on RASGAS project(19platforms and 5 bridges): First phase converted models from Macrosas to SESAM, second phase-II, carrying out design level analyses, Spectral Fatigue Analyses and pushover analysis, member importance analysis, and Risk based inspection plans.

Honours and awards

All India 36th rank in Graduate Aptitude Test in Engineering (GATE) with 99.59 percentile.

Best-Student award in IIT Roorkee 2006.

Worked as a representative of 900 students an General Secretary of Diploma College in 2001, and representative of 600 students as Bhawan Secretary in IIT Roorkee in 2006

Recipient of Sir Ratan Tata scholarship for successive two years of B.E. for good Academics.

Best Earthquake Proof design award for multistoried hospital building at national level

Recipient of STD 4th Scholarship.

Designed light weight Jackets weighing 600 MT for 75m water depth.

Successful completion of installation of 4600MT Launch Jacket

[Related document\(s\): Certificate_Best_Student_Masters.pdf, Certificate_Bhawan_Secretary.pdf, Certificate_Cognizance_Design_of_Earthquake_Building.pdf, Certificate_GATE.pdf](#)

ANNEXES

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- Transcripts_Bacholers.pdf
- Bacholers_grades_Converted_to_Danish_System.pdf
- Transcripts_Diploma.pdf
- Certificate_Diploma.pdf
- Master of technology UAE Attested.pdf

- Bachelor of Engineering UAE Attested.pdf
- Certificate_SSC.pdf
- Certificate_Advanced_Sensing_technologies.pdf
- Certificate_Reliability_of_Offshore_Structures.pdf
- Certificate_Bridge_international_conference.pdf
- Certificate_Best_Student_Masters.pdf
- Certificate_Bhawan_Secretary.pdf
- Certificate_Cognizance_Design_of_Earthquake_Building.pdf
- Certificate_GATE.pdf