

**SWAPNIL KHADELWAL**

Course : B.E. (Hons.), Civil

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CGPA : 7.3

**ACADEMIC DETAILS**

COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	% CGPA	YEAR
XII	Science	Maheshwari Public School, Ajmer	CBSE	91.8	2012
X	General	Maheshwari Public School, Ajmer	CBSE	9.2	2010

ELECTIVES/TECHNICAL PROFICIENCY

Electives	Financial Management, Security Analysis and Portfolio Management, Derivatives and Risk Management, Fundamentals of Finance and Accounting, Principles Of Economics, Numerical Analysis, Env Impact Assessment, Cross Cultural Skills, Current Affairs, Print And Audio-Visu Advertising
Technical Proficiency	ETABs, AutoCAD, Revit, COMSOL Multiphysics, MS excel, Programming Language: C, JAVA, Microsoft Visual Basic

SUMMER INTERNSHIP/WORK EXPERIENCE**B. G. Shirke Construction Technology Private Limited, Pune****Jul 2016 - Dec 2016**

- Studied about 3-S prefab building construction system which optimizes the use of construction materials in line with Green construction
- Performed structural analysis, using ETABs, of ongoing G+7 storeys three buildings project at Aramnagar, Andheri, Mumbai for structural design
- Designed foundation based on the base reactions obtained from ETABs and other critical parameter from geotechnical investigation report
- Designed structural blueprint for G+7 buildings based on Engineering Specification for infrastructural projects

Millenium Consultants and technocrates, Jaipur**Dec 2015 - Jan 2016**

- Planned and managed the project scheduling for construction of running rooms at Churu for North Western Railways using Critical Path Method
- Analysed and estimated the total cost of project under the supervision of senior team members

Wadia Institute of Himalayan Geology, Dehradun**May 2015 - Jul 2015**

- Revamped Fire Safety Management System by performing Gap Analysis based on codal provisions intended for better Hazard Prevention and control
- Designed Rainwater harvesting tank to resolve the issue of water logging. The tank is capable of recharging groundwater upto 7000 cubic meters

Professional Recognition: Received a **certificate of appreciation** from Dr Rajesh Sharma (Scientist G), Petrology and Geochemistry Department, WIHG for having successful completion and implementation of the projects for practical purpose

PROJECTS**Risk return analysis of State bank of India****Mar 2016 - May 2016**

- Analyzed trends on total assets, Net income and Valuation ratios(P/E) of last five years stock data
- Estimated beta sensitivity values and standard deviation and determined its volatility in market

Building Information modelling (BIM)**Mar 2015 - Apr 2015**

- Designed a 3D Virtual 10 Storeyed building encompassing the challenge of having different carpet areas at each storey using Autodesk Revit
- Carried out different aspects of Design and Construction, i.e. Architectural planning and designing, Costing and estimation

Effect of ground water recharge on sea water intrusion in coastal areas**Jan 2015 - May 2017**

- Examined the impact of Porosity, Conductivity, Temperature and other reasons on seawater intrusion into groundwater
- Analysed the influence of groundwater recharge in reducing the contamination in coastal aquifer by application of Finite Element Method, by using COMSOL Multiphysics

POSITION OF RESPONSIBILITY**Project forum team member, Civil Engineering Association****Aug 2014 - May 2015**

- Coordinated Urbanstica an event in Archeatype (BITS Pilani Civil Engineering Fest) which involves participation of more than 300 students
- Coordinated Crazy Bridge an event in APOGEE (Technical Fest of BITS Pilani)
- Assisted in screening of more than 70 projects submitted under the association for APOGEE-2015

Joint Secretary, Marudhara (Rajasthan cultural association)**Jan 2015 - Dec 2015**

- Led a **35 member three tier team** in organizing cultural performances on Founder's Day for fostering the spirit of cultural diversity
- Coordinated our cultural grub and raised ~40% of overall budget effecting an increase of ~70% as compared to previous year
- Organised formal meets and trip for Marudhara

ACHIEVEMENTS AND AWARDS

- Secured the **first** prize in **Sristhi**, an AutoCAD based design event, organized as a part of APOGEE-BITS Pilani Technical festival
- Awarded the **merit cum need scholarship** by student welfare division, BITS Pilani for excellence in academics
- Secured **first position** in **XII class** and was awarded scholarship by school for excellence in XII boards performance

EXTRA CURRICULAR ACTIVITIES

- Rajasthan Folk Dance representative:** Actively took part on founder's day and represented Rajasthani folk dance in BITS Pilani
- Underwent training for learning techniques of self defense