SCHOLASTIC ACHIEVEMENTS

- Secured an All India Rank of 932 in IITJEE 2011 among the 5 lakhs aspirants
- Secured an All India Rank of 1941 in AIEEE 2011 among the 11 lakhs aspirants
- Awarded for securing more than 90% in Akhil Bharteeya Sanskriti Gyan Pariksha (2003)
- Recipient of Merit Cum Means Scholarship, IIT Bombay for appreciable performance in academics
- Pursuing Honors in Civil Engineering

ACADAMIC PROJECTS

Implementation and Optimization of Steam Curing using curing tank   *[May '12-present]*
(Guide: Prof. Prakash Nanthagopalan, IIT Bombay)
- Studied the various publications and on-going research in the field of steam curing and prepared a comprehensive plan for the entire project spanning 6 months
- Designed a concrete mix of M-40 after appropriate aggregate testing for fineness modulus, specific gravity, bulk modulus and water absorption
- Performed the Penetration resistance test to determine initial and final setting time of concrete mix
- Profiled the temperature rise of the curing tank and devised a cooling period to match the conditions favourable for high strength
- Performed Steam curing cycles for delay period- 2, 4 hours, curing period – 6, 8 hours and cooling period of 2 hours for temperatures of 50 and 60 degree Celsius
- Remaining cycles are to be performed in the coming 2 months and results for the optimum curing cycle would then be discovered and slight modifications for further increase in strength are to be tried

IIT Bombay Transportation Management   *[July '12-Present]*
(Guide: Prof. Tom Mathew, IIT Bombay)
- Analysing the current status of IIT-Bombay Transportation system
- Planning Bus-routes of around 30 buses for around 8000 students and faculty members
- Using AutoCAD 2013 software for designing the map and construction of a suitable Bus-Bay

Square Wave Generator   *[July'12-Present]*
(Guide: Prof. S.D. Gupta, IIT Bombay)
- Analysing the OPAMP circuit and its application
- Working on the circuit similar to Schmitt trigger circuit

Computer Programming and Utilization Project   *[Nov '11]*
(Guide: Prof. D.B. Phatak, IIT Bombay)
- Part of the project team for making "Basket The Ball" game using C++ and E-Z Windows

TECHNICAL SKILLS

- Programming Languages: C++, HTML, CSS
- Software Tools: MS Office, basics of Dreamweaver, AutoCAD
- Operating system: Windows, Linux

RELAVENT COURSES UNDERTAKEN

Data analysis and interpretation | Engineering Mechanics | Solid Mechanics | Fluid Mechanics | Numerical Methods in civil engineering | Economics | Computer Programming and Utilization |

POSITION OF RESPONSIBILITY

Class Representative, *Civil Engineering Department IIT Bombay*   *[March '12-Present]*
- Acting as a mediator between professors and class of 120 students to address their academic problems
- Working as a member of Civil Engineering Association to organize other departmental activities like department picnics and work visits
- Actively involved with Placement and Training cell in organizing workshop and fundae sessions concerning internship and practical training

Coordinator, *Student Alumni Relations Cell (SARC)*   *[April'12-Present]*
- Part of Web and Software team of SARC
- Freshmen Orientation: Worked for Publicity of event
- Phonathon: Involved in calling to Alumni of IITB for various agendas of SARC and Alumni Association

Coordinator, *Media and Marketing, Techfest 2013*   *[April '12-Present]*
- Handling the media and publicity of the event
- Contacting the reporters of newspapers in Rajasthan and educational magazines

Organiser, *AAKAAR 2012 (Civil Department Festival)*   *[March '12]*
- Assisted in Organization of Symposium and on the spot event paper bridge competition
- Aided the publicity of the event

EXTRA-CURRICULAR ACTIVITIES

Sports
- Secured 1st position in District Level Kho-Kho and member of   *[2002-2003]*
  district team at state level
- Was a part of gold winning cricket team in Fresher's General championship   *[2012]*

Cultural
- Secured 2nd position in Hindi Creative Writing during Freshizza   *[2011]*
- Awarded several prizes in the intra-college debating and literary arts competitions

Others
- Part of IIT Bombay's guinness book of world record for most number   *[2012]*
  of people (937)simultaneously solving Rubik's cube
- Attended a series of lectures on concrete conducted by Mr C. M. Dordi, Marketing Head, Ambuja Cement which deals with the practical life scenario in the construction work