

ACADEMIC ACHIEVEMENTS

- All India Rank 637 in IIT Joint Entrance Examination.
- Ranked in Indian National Math's Olympiad.
- Ranked -1 in Regional Math's Olympiad (Maharashtra) in 12th standard.
- Ranked- 13 in Regional Math's Olympiad in 11th standard.
- Selected in top 1% in state (Maharashtra) in Physics, Chemistry, and Astronomy Olympiads.
- Appeared in National level Astronomy Olympiad.

POSITION OF RESPONSIBILITY

Organized exhibitions during techfest 2011.

PROJECTS

Course Projects

- Human judgment under stress (Psychology): Study of human behavior under stress under Prof. A. Khan
- Materials for Car Body (Engineering Metallurgy): Study of car chassis and selection of the best material for the car chassis.
- Made a working basic intercom circuit (Analogue electronics).
- Manufacturing a screw jack using lathe and shaping machine(Manufacturing lab)
- Modeling of Silicon Wire EDM slicing: Modeled various factors affecting material removal rate in the processes.

- Simulation of a travel call center
- Study of rocket (H₂O₂) engine for tip jet helicopter:
 - 1) Nozzle design
 - 2) Catalyst size and structure(honeycomb, etc)
 - 3) Composition and flow rate of H₂O₂ to be used and the resultant exhaust pressure produces

Internship

Worked at **Mahindra Navistar Engines Pvt Ltd** in summer 2011 on projects:

- Valve Train Analysis
- Water pump specifications (Power, Flow, Head calculations)
- Calculated pressures in various gears of engine assembly.

ELECTIVES AND SOFTWARE SKILLS

- Human Cognitive Process.
- Animation (Practical course, includes making animation clips)
- Analogue electronics.
- Rapid Product Development
- Discrete event simulation.
- Robotics.
- Refrigeration and Air Conditioning.

Software : Proficient in the use of

C++, Matlab , MS office , Adobe after effects , Sony vegas pro.

Extra Curricular Activities

Sports

- Participated in State level Basketball Competition.
- Participated in Division level Cricket Tournament.
- Can also play Tennis, Badminton, and Football.

Other Passions

Reading , Computer Gaming , Movies , Live sports on TV .