



Srikar Turumella
Mechanical Engineering
Indian Institute of Technology, Bombay
Specialization: None

100100081
UG Third Year (B.Tech.)
Male
DOB: 04 Feb 1994

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	8.50
Intermediate/+2	Board of Intermediate Education, AP	Sri Chaitanya Junior College	2010	96.10
Matriculation	CISCE	Stewart School	2008	88.86

SCHOLASTIC ACHIEVEMENTS

- All India Rank 329 in IIT Joint Entrance Examination (Year-2010).
- All India Rank 615 in All India Engineering Entrance Examination (Year-2010).
- Secured 430 marks in BITS Admission Test (Year-2010) with a percentile greater than 99.995.
- State Rank 101 in EAMCET (Year-2010).
- Top 1% of India in National Standard Examination in Chemistry 2010.
- Top 1% of Association of Mathematics Teachers of India National Mathematics Talent Contests (NMTTC).
- All India Rank 9 in All India Engineering Entrance Examination (B.Arch) (Year-2010).

ACADEMIC PROJECTS

- Development of a Vorticitymeter (guide prof. S.V.PRABHU) (May-July 2012)
 - ❖ Successfully developed a "**vorticitymeter**" which was **used to understand the flow** conditions when a bluff body is placed in an **arbitrary flow**. The reading of the vorticitymeter was then used to **calculate the vorticity** of the flow.
 - ❖ The work involved **analysing the earlier vorticitymeter designs**, understanding their advantages and limitations, **designing a new vorticitymeter using an INFRARED SENSOR**, **solid-modelling** of the design, **building and calibrating a prototype**, testing it under various conditions and tabulating the data obtained, developing a customised **code for data processing** and **processing of the data** to obtain the vorticity of the flow.
- Complex shape generation using EDM (guide prof. R.K.SINGH) (October 2012)
 - ❖ Successfully produced a **complex- design prototype** to demonstrate the **EDM process capabilities**.
- 2-D Projectile Motion (guide prof. R.K.JOSHI) (April 2011)
 - ❖ Successfully completed "**2-D Projectile Motion**". Represented a team of 2 students, our work was to do **coding part (including graphics part)** Using "C++ Coding".

WORK EXPERIENCE

- Completed a **social internship with EKJAA**. Work involved **identifying other social organizations' projects with measurable social impact, collaborating with them, pitching them to funding agencies and monitoring the project's social impact in a team of 3 members under a Project Mentor.**

COURSES UNDERTAKEN

- **Important Courses:** Engineering Mechanics, Solid Mechanics, Mechanics of Materials, Thermodynamics, Electrical and Electronics Circuits, Computer programming and Utilization, Engineering Metallurgy, Fluid Mechanics, Manufacturing Processes, Strength of Materials, Heat Transfer, Industrial Engineering and Operations Research, Rapid Product Development, Computational Fluid Dynamics and Heat Transfer, Refrigeration and Air Conditioning, Kinematics and Dynamics of Machines, Applied Thermodynamics, Basics of Visual Communication, Design Issues, Introduction to Design – Case Studies
- **Important Labs:** Experimental and Measurement Lab, Engineering Graphics and Drawing, Solid Mechanics Lab, Manufacturing Practice Lab, Fluid Mechanics Lab, Manufacturing Processes Lab, Heat Transfer and Metrology Lab, Kinematics and Dynamics of Machines and Computation Lab

SOFTWARE SKILLS

- **Programming Languages:** C, C++, Java
- **Softwares:** MATLAB, Arduino, SolidWorks, Fluent, ANSYS
- **Operating Systems:** Windows, Linux

Technical Activities

- Actively participated in freshers tech event “**TRACKMANIA**”, successfully completed the wireless remote car.
- Made a sophisticated “**Line Following Robot**” using “**Micro-controllers**”, Arduino-UNO”

Positions of Responsibility

- **Organiser, Mood Indigo'10 : Horizons**
- **Organiser, Techfest'11 & Coordinator, Techfest '12: Exhibitions**
 - ❖ **Organized INTERNATIONAL EXHIBITIONS** and **coordinated** with the exhibitors
- Has held the position of Class Prefect in school

EXTRA CURRICULAR ACTIVITIES

- Was an active member of **N.S.O** (National Sports Organisation) kho-kho.
- Was an active member of the hostel fresher **cricket, Kho-Kho, Volleyball** teams. Represented the hostel in Fresher general championship Sports event.