**SCHOLASTIC ACHIEVEMENTS**

* **AIR -106(PD category)** in IIT-Joint Entrance Exam’10 among 4.5 lakhs students all over the nation

**PROJECTS**

**May’10-june’10** *(summer 2010)*

**Experimental studies an a variable compression ratio I C Engine**

**Numerical Investigation of reduction of emission in SI/CI Engines,*modling of combustion process***

***Emission formation in internal combustion engines***

*Supervisor: Prof. S. Sheshadri (Internal Combustion Lab, IIT Bombay)*

# IIT BOMBAYRACING TEAM April 2011-Till

# A 60 Member cross functional team developing amateur rac car for national and international event organised by SAE( society of Automobile engineers)

**Design and fabrication of an all-terrain vehicle and Formula Student Car, IIT Bombay**

***Drivetrain team BAJA SAE India 2012 and Formula SAE electrical 2012***

* Designed the **drivetrain** of an ATV and FS car as a part of IITB Racing Team and fabricated the vehicle from scratch
* Ran **Static Analysis** of axle, motor mount, differential mount on ANSYS through FEA and **tuned** the **CVT** for optimum performance
* Work on the manufacture of drivetrain part( gearbox ,gear ,axle,etc)

Superviser:PROF.R.K.SINGH,PROF.ARINDRAJIT CHOWDHURY, PROF.SREEDHARA SHESHADRI,PROF.AMERNATH

**Banking Project,** *CS101 Course Proje*

* Created a C++ program for banking having options for various types of trangection
* Created a Library for the project

*Supervisor: Prof. R.K. Joshi (Department of Computer Science and Technology)*

**TECHNICAL SKILLS**

* Modeling and Analysis: SolidWorks, **metlab,ansys**
* Languages and Operating System: C/C++, Windows, Linux

**POSITIONS OF RESPONSIBILITY**

* Orgniser and coordinator of TECHFEST 2011: **Asia’s largest college technical festival**