	Mohit Mangal			09004055	
	Civil Engineering			UG Third Year (B.Tech.)	
	Indian Institute of Technology, Bombay			Male	
				DOB: May 9,1991	

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	8.95
Intermediate/+2	CBSE Board	C H S Convent School, Haryana	2009	90.40
Matriculation	CBSE Board	S D Public School, New Delhi	2007	83.40

SCHOLASTIC ACHIEVEMENT

- Secured **1st** position in 12th **C.B.S.E** Board Examination in entire District
- Amongst the top 0.5% out of one million students who appeared for All India Engineering Entrance Exam AIEEE-09
- Awarded **AA** grade in **all** core **courses** in 3rd and 5th semester among 117 students

INTERNSHIP

I Discoveri (Gurgaon, New Delhi) *Dec'10 (one month)*
- **Contributed** innovative and creative ideas in **developing** teaching learning **materials** in the company
- Specially mentioned as a **role model** for others during the internship

Key ACADEMIC PROJECTS

Tower of Babylon (GlobalTech Student Competition) *Mar'11-June'11*
- **Represented IIT Bombay** in the competition as one of the twelve team members
- **Designed** and Build a sustainable structure using waste or **recyclable materials** only
- Introduce the concept of Rain water harvesting through an innovative kettle design
- Built the structure within the allotted time and **one-third** of the allotted budget
- **Won** the competition **globally** among five renowned universities of the world

Transport Flow Analysis *Nov'11-Present*
- **Developing** the program (in python) to simulate and analyse Indian Traffic Conditions
- **Optimizing** the transport flow in order to get the best transport flow

On Site Training at a construction site in Chandivali (Mukesh Group of Company)
- Learn about **Column preparation** and its position in multi story buildings
- Basics of Roof preparation and use of Fulcrum

Work Visit at CWPRS (Water and Power Research) in Pune *April'11*
- Learnt **Optimisation of port** and harbour design by studying model of Mumbai
- Learnt long term changes in river platform, bed level, **flood discharge analysis** of river Ganga

Engineering Drawing *Jan'10-Apr'10*
- Learnt basis of engineering drawing such as Cross sectional views and intersection of planes
- Implemented basis into making a real life Drawing of Components

Finger Print Recognition   *Aug'09-Nov'09*

- Studied working of various finger print basis identification system in market
- **Developed** a code in C++ for identification of human beings on basis of finger prints

COMPUTER SKILLS

- Operating System: Windows, Linux
- Language: **Python**, **C++**, **Scilab**
- Software: **SUMO**, MS Office, **3ds Max**, **After Effects**

KEY ACADEMIC COURSES

- Engineering and **Structure Mechanics**
- Soil Mechanics
- **Design of Structures**
- Solid and fluid mechanics
- **Transportation Engineering**
- Data Analysis and Interpretation.
- Basic and Advanced Mathematics
- **Traffic Analysis and Design**
- Industrial Economics

EXTRA CURRICULAR

Technical Activity
Remote Controlled Wireless Car (*Technical Competition IITB*)

- Studied the working of Integrated circuits and on Board power supply mechanism generally used in Toy cars
- **Designed the Circuit** board used for synchronization of wireless remote, motors and on board power supply
- Improved efficiency of car by using aluminium as a car base and big tyres
- **Achieved** best acceleration and **efficiency** among 100 cars in IITB

Social Activity
National Service Scheme

- **Taught** Math and science to economically and academically **poor student** for 4 months
- Actively **participated** in Cloth Collection drive launched by **NGO** GoonJ in IIT Bombay
- Visited remote rural areas and spread awareness about "Water Conservation", "Prevention of diseases "and "Efficient techniques in agriculture"

POSTION OF RESPONSIBLITY

- Assisted members of **PARIKRAMA** band during their IITB stay for Concert as an organiser of MOOD INDIGO'09
- Created all the accounts and **reduced** non essential **expenditure** resulting in **low cost** of structure during TOWER OF BABYLON'11 (GlobalTech Student Competition)