



Ishan Singh Bhadauria
Electrical Engineering
Indian Institute of Technology, Bombay
Specialization: Communication & Signal Processing

110040085
UG Second Year
Male
DOB: 25/12/1993

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	8.97
Intermediate/+2	CBSE	PVP Morar,Gwalior	2011	87.20
Matriculation	CBSE	St. Paul's School,Gwalior	2009	95.20

Pursuing Minor in Management course

SCHOLASTIC ACHIEVEMENTS

- Was allowed to **change branch** from Civil engineering to Electrical engineering with M Tech in Communication and Signal Processing due to **academic excellence** in first year.
- AIR **1112** in **IITJEE'12** out of 5 lakh students
- AIR **676** in **AIEEE'12** out of 11 lakh students
- Qualified **INPhO**, selected in **national top 1%** in National Standard Examination in Physics (**NSEP**) organized by Indian Association of Physics Teachers (**IAPT**)
- Selected in **top 1% in state** Rajasthan in National Standard Examination in Chemistry (**NSEC**) organized by Indian Association of Chemistry Teachers (**IACT**)
- Qualified final level of **Kishore Vaigyanik Protsahan Yojna(KVPY) scholarship** for basic sciences out of 62953 enrolled all over India
- **Merit certificate** in science in **AISSE'09** from CBSE being in national top **0.1%**
- Awarded certificate of **merit in Australian National Chemistry Quiz** conducted by **Royal Australian Chemical Institute** for distinctive performance
- Awarded **first prize** in District level Sahodaya quiz in a team of two
- Awarded **first prize** in district MBD talent search Quiz

KEY PROJECTS

ENCRYPTED DATA TRANSMITTER

Sept'12 - Nov'12

Guide: Prof. DB Phatak

- Created software for **data transfer on network**. A **potential product**
- Data transfer is in **encrypted** form using Diffie-Hellman key exchange causing secure transmission
- Working to bring it to a product level

REMOTE CONTROLLED BOT

Aug'12

- Designed a remote control car using Radio Frequency circuit
- Stood **17th** in **Tech-ONE** with over 110 participants

TECHNICAL SKILLS

- **Programming languages:** C/C++, HTML, CSS, Basics of Java
- **Software Packages:** Adobe Photoshop, Microsoft Office
- **Operating systems:** Microsoft Windows, Ubuntu

RELEVANT COURSES

➤ Core Courses:

Electronic Device and Circuits	Network Theory
Analog Circuits*	Signals and Systems*
Electrical Machines and Power Electronics*	Digital Systems*

➤ Lab Courses:

Electronic Devices Lab	Measurements Lab
Analog Lab*	Digital circuits Lab*
Machines Lab*	Physics Lab
Chemistry Lab	Workshop Practice

➤ Non-Core Courses:

Accounts and Finance	Economics
Computer Programming and Utilization	Electricity and Magnetism
Engineering Graphics and Drawing	Chemistry
Calculus	Linear Algebra
Ordinary and Partial Differential Equation	Complex analysis

**to be completed by April'13*

POSITION OF RESPONSIBILITY

- **Maintenance Secretary, Hostel 7** *Aug'12-present*
Managing Maintenance related issues of Hostel at institute level and off campus
- **Organizer, Techfest'12** *Oct'11-Jan'12*
Integral part of **organization team-'Exhibitions'** in Techfest -Annual Science and Technology festival of IIT Bombay

EXTRA CURRICULUM

- Awarded **B-certificate** in **National Cadet Corps** for year '12
- Attended a **10 day annual training camp** at 2 MER NCC senior division *Dec'12*
- Contributed to **Performing Arts Festival** entry "**Prime Minister**" which came third in the competition *Mar'12*
- Part of movie "**Project 7**" screened at **Film Fest'12** IIT Bombay *Mar'12*
- Represented Hostel 2 in **Freshiezza**-Annual cultural festival for freshmen *Aug'11*
- Member of winning fresher team of cricket and kho-kho *Feb'12*
- Got a **silver and bronze** medal at inter-school athletics
- Participated and excelled in all **sports activities** at school level
- Got prize in various **debate and speech** competitions at inter school level

OTHER INTERESTS

- Reading about **Indian history** and freedom movements