Kumar Goutam

Electrical Engineering

Indian Institute of Technology, Bombay

100070023

UG Second Year

Male

DOB: 29th Sep 1992

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	9.57
Intermediate/+2	CBSE	Subhash Public School, Giridih	2010	94.00
Matriculation	CBSE	R.K.Mission Vidyapith, Deoghar	2008	97.40

ACADEMIC ACHIEVEMENTS

- Secured **AIR – 60** in **IIT JEE 2010** out of about 0.5 million candidates appeared
- Secured **AIR – 93** in **AIEEE 2010** and **State Rank 3** (Jharkhand) out of about 1 million candidates appeared and hence received **CBSE Merit Scholarship** for Engineering Stream
- Secured a grade of **AP** (awarded for the **exceptional performance** in Institute Core Course) in two courses - Differential Equations and Differential Equations II
- Recipient of **Merit cum Means Scholarship** for Engineering studies by N.S. Foundation, Mumbai
- Awarded **Certificate of Merit** for being in the **Top 0.1%** of all candidates appeared in AISSE-08 (**X Board**) by CBSE in Maths (100/100) and Social Sciences (99/100)
- Secured **98%** marks in Science + Maths in AISSE-08 (**X Board**)
- Received **3 Gold Medals** by School for **outstanding performance** in AISSE-08 (X Board)
- Awarded **Certificate of Merit** for being in the **Top 0.1%** of all candidates appeared in AISSCE-10 (**XII Board**) by CBSE in Maths (99/100) and Physics (99/100)
- Secured **98%** marks in Science + Maths in AISSCE-10 (**XII Board**)
- Awarded the prestigious **KVPY scholarship** – 2009 based on Aptitude Test and Interview
- Awarded **Certificate of Merit** for being placed in the **National Top 1%** in National Standard Examination in Astronomy (**NSEA**) 2006 conducted by Indian Association of Physics Teachers
- Awarded **Certificate of Brilliance** and Cash Award for possessing Academic Genius shown in **AITSE-2005** conducted by International Children's Equity Fund
- Secured **AIR-4** in the **National Science Talent Search Examination** by Unified Council in 2009
- Secured **AIR-8** in the 7th **National Science Olympiad** conducted by SOF in the year 2005
- Secured **Olympiad Rank 5** in the **International Olympiad of Mathematics** conducted by Mathematics Olympiad Foundation in the year 2008

PROJECTS

- Designed a **Webpage** using HTML platform in class X and won the Best Project Award for it
- Made a **Remote Controlled Car** using simple **RF circuits** in a team of 4   [Fall 2010]
- Guide : Prof. D. B. Phatak   [Fall 2010]
    Made the game "Bloxorz" using C++ and EZWindows library for graphics working in a team of 13 people for course project
- Guide : Prof. J. M. Vasi   [Spring 2011]
    Studied the interior details and working of a simple Walkman in a team of 3 for term paper

PROGRAMMING SKILLS

- **Programming Languages** : GW-BASIC, QBASIC, HTML, C++
- **Operating Systems** : Windows, Linux
- Received Certificate of Honour for **Annual Proficiency in Computers Programming** in class X

WORK EXPERIENCE

- **"Teaching Assistant"** for the following courses at IIT Bombay for First Year Undergraduates
  - ✓ MA 105 (Calculus)   Fall 2011
  - ✓ MA 106 (Linear Algebra)   Spring 2012
  - ✓ MA 108 (Differential Equations) Spring 2012
- Organizer for Informals in "Mood Indigo 2010" Annual Cultural Festival of IIT Bombay
- Coordinator for Lecture Series in "Techfest 2012" Annual Technical Festival of IIT Bombay

COURSES COVERED   (By April 2012)

- *Core Courses* : Introduction to Electrical Systems, Introduction to Electronics, Network Theory, Electronic Devices and Circuits, Signals and Systems, Analog Circuits, Digital Systems, Electrical Machines and Power Electronics
- *Maths Courses* : Calculus, Linear Algebra, Ordinary and Partial Differential Equations, Real Analysis, Complex Analysis, Fourier Analysis, Multivariable Calculus (pursuing **Minors in Maths**)
- *Other Courses* : Computer Programming and Utilization, Data Analysis and Interpretation, Electricity and Magnetism, Chemistry, Economics
- *Core Labs* : Electronic Devices Lab, Analog Circuits Lab, Digital Circuits Lab, Machines Lab, Measurements Lab
- *Other Labs* : Physics Lab, Chemistry Lab, Engineering Graphics and Drawing, Workshop Practice

EXTRA-CURRICULAR ACTIVITIES and OTHER ACHIEVEMENTS

- Awarded "Special Prize for Class Captain" consecutively for 5 years in school from the year 2003 to 2008
- Stood 1st in many "Recitation Competitions" in 3 different languages (Hindi, English and Sanskrit) throughout school
- Awarded National Level **Certificate of Merit** by Children's Education Trust for **excellent performance** in AITSE in the years 2004, 2005 and 2006
- Secured **AIR-21** in the **National Science Talent Search Examination** by Unified Council in 2008
- Secured **AIR-35** in the 2nd **International Mathematics Olympiad** conducted by SOF in 2009
- Secured **AIR-40** in the 9th **National Science Olympiad** conducted by SOF in the year 2007
- Secured **AIR-43** in the 5th **National Cyber Olympiad** conducted by SOF in the year 2006
- Participated in The Green Olympiad conducted by Ministry of Environment and Forests, GOI in the years 2005 and 2006