



Devesh Kumar
Electrical Engineering
Indian Institute of Technology Bombay
Specialization: Microelectronics

16D070044
UG Second Year
Male
DOB: 11/02/1997

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2018	8.41
Intermediate/+2	CBSE	St Joseph Public School, Kota	2015	84.00
Matriculation	CBSE	Delhi Public School, Patna	2013	9.60

SCHOLASTIC ACHIEVEMENTS

- Was in top 1% in JEE advanced 2016
- Secured 99.1 percentile in JEE mains 2016
- Qualified for National Talent Search Exam(NTSE)
- Received certificate of high distinction in Australian National Chemistry Quiz
- Qualified for first stage of National Mathematics Talent Contest, 2014
- Recipient of IIT Bombay's MCM Scholarship based on my performance

POSITION OF RESPONSIBILITY

- **Team Shunya** [Aug,17-present]
Only team to represent India in Solar Decathlon Europe, 2014/Constructed house with net positive energy req. Currently working in electrical division.
 - **Lighting Automation** : Planning lighting of the house for solar decathlon, 2018. Sensor controlled lighting which automatically adjusts according to ambient sunlight in the room.
 - **Appliances** : Made a database of products to be used in the house, characterized them according to their energy needs and integrated the power consumption of all devices to get the load curve.
- **Coordinator | Techfest** [Aug,17-present]
Techfest is Asia's largest technical festival | over 1,65,000+ footfall | 240+ events
 - Infrastructure : Managing **night segment** of Techfest having a crowd of **30,000+**.
 - Space allotment for 240+ events in campus.
- **Organizer | Entrepreneurship Cell, IIT Bombay** [Jan,17- Mar,17]
A non profit organization that aims at manifesting the latent entrepreneurship spirit
 - Active team member of the Corporate Relations (CR) group
 - Organized, planned and executed events in E-summit 2017.

PROJECT TAKEN

- **DIGITAL STOPWATCH:** [Feb,16 - Mar,16]
Course project under M.B Patil (EE112-Introduction to Electronics)
 - Worked with different integrated circuits like 8 bit encoder, 555 timer and mod sixteen counter.
 - Build a stopwatch from scratch with a self display unit.

TECHNICAL SKILLS

Tools and Packages	Solidworks, Autodesk, ngspice, Microsoft office, Photoshop, Windows live movie maker
Languages	C, C++
Platforms	Windows, Mac, Ubuntu

COURSES UNDERTAKEN

- **Core Courses:** Introduction to Electrical Systems, Introduction to Electronics, Data Analysis and Interpretation*, Network Theory*, Electronic Devices and Circuits*, Microelectronics*, Electronic Devices Lab*, Signals Systems**, Analog Circuits**, Digital Systems**, Electrical Machines and Power Electronics**, Analog Lab**, Digital Circuits Lab**, Machines Lab**, Computer Programming and Utilization.
- **Maths Courses:** Calculus, Linear Algebra, Ordinary Differential Equations, Complex Analysis, Differential Equations II*.
- **Other Relevant Courses:** Quantum Physics and Applications, Basics of Electricity and Magnetism, Biology, Chemistry, Engineering Drawing, Workshop Practice, Economics*, Environmental Studies : Science and Engineering*.

(*Courses to be completed by November 2017)(**Courses to be completed by April 2018)

EXTRA CURRICULAR ACTIVITIES

- Green Campus NSS: [Jul,16- Apr,16]
 - Actively contributed in National Social Service group for conservation of flora at IIT Mumbai campus.
 - Made placards for proper identification of trees
 - Made motivational videos for people in their local language to start gardening.
- Participated in VIII IIT Bombay national debate competition.