DEVESH KUMAR

ELECTRICAL ENGINEERING
INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY
SPECIALIZATION: MICROELECTRONICS

16D070044
UG (FIRST YEAR)
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EDUCATION

Year of Completion	Degree/Exam	Institute/School	CGPA/%
2021	Dual degree *(Mtech+Btech)*	IIT Bombay	8.41/10
2015	CBSE Class XII	ST JOSEPH PUBLIC SCHOOL, KOTA	85 %
2013	CBSE Class X	Delhi Public School, Patna	9.6/10

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 adjust according to ambient sunlight in the room.
- **Appliances** : Made a database of products to be used in the house, characterised them according to their energy needs and integrated the power consumption of all devices to get the load curve.

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➢ **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 organisation that aims at manifesting the latent entrepreneurship spirit

- Organised, planned and executed various events in E-summit 2017, like Eureka.

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:
   o Active team member of National Social Service group for conservation of flora at IIT Mumbai
      campus.
   o Made motivational videos for people in their local language to start gardening.
● Participated in VIII IIT Bombay national debate competition.