|  |
| --- |
|  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | | | | | |  | | | | | | **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  |  | | --- | | **INTERNSHIPS** |  * **Speed Labs | Mumbai, India** [DEC,17]   Architecture Improvement for Edutech platform| Worked with software development and content team   |  |  | | --- | --- | | **APPROACH** | Analysed the software architecture from user perspective and recommended new features to improve overall experience for student  Established chapter wise timeline & lead plan; designed & Ideated new patterns and presentations | | **IMPACT** | Many of the recommended features were added to the platform; Improved the utility of the existing content by adding more patterns; Significantly improved the overall presentation and quality |      |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **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, matlab, latex, Xcircuit, GNUPlot, Microsoft office, Photoshop, Windows live movie maker, | | | | | **Languages** | C, C++ | | | | | **Platforms** | Windows, Mac, Ubuntu | | | | | | | | | | **POSITION OF RESPONSIBILITY** | | | | | | * **Team Shunya** [Aug,17-Dec,17]   *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.   .   * **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 acrowd 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  |  |  |  |  |  | | --- | --- | --- | --- | --- | | **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 April 2018) | | | | | | **EXTRA CURRICULAR ACTIVITIES** | | | | | | * Green Campus NSS: * Actively contributed in National Social Service group for conservation of flora at IIT Mumbai campus. * Made placard for proper identification of trees in the campus. * Made motivational videos for people in their local language to start gardening. * Participated in VIII IIT Bombay national debate competition. | | | | | |