HIMANSHU KUMAR

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EDUCATION

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| --- | --- | --- | --- |
| **Degree/Exam** | **Year** | **Institute** | **GPA/Marks (%)** |
| B.E  *(Instrumentation & Control Engineering)* | 2012-2016 | Netaji Subhas Institute of Technology, Delhi | 7.2 |
| CBSE (Class XII) | 2012 | Abhinav Public School, Pitampura, Delhi | 79.8 |
| CBSE (Class X) | 2010 | Vijaya Sr. Sec School, Bahadurgarh, Haryana | 9.8 |

ACADEMICACHIEVEMENTS

* Secured a percentile of **99.2** (All India Rank 14,742) in AIEEE 2012 among 18,00,000 aspirants
* Received **award of distinction** for being the topper of school in class 10th
* Awarded **scholar badge** for academic excellence through **classesVII-IX**

INTERNSHIPS

Siemens Limited, Gurgaon (The largest Engineering Company in Europe) June 2015 – July 2015

* **Designed** and developed **human machine interface** of C&I systems for a 1320MW thermal power plant in UP
* **Mapping** of control logic to the graphics of the C&I system, to **centrally monitor** and control all the equipments
* Developed hardware proxies for the **communication to real field** devices

National Thermal Power Corporation Limited, Jharli June 2014 – July 2014

* Comprehended the process of production of electricity and technology applied
* Probed the **practical application** of various types of instruments and **control systems** used in a power plant

ACADEMIC PROJECTS

**System for Blood Pressure Regulation of the body** *(****research paper*** *accepted for IEEE conference)*

* Simulated a **model** on MATLAB to **regulate blood pressure** and cardiac output of humans
* Leveraged Genetic Algorithm to **optimize** the model and improved **performance** and **efficiency** of the system
* The system will help to **reduce complication in patients** post surgery

Modelling and Simulation using MATLAB for electrical and mechanical systems

* Developed simulations for various DC motor and RC circuit systems using PID tuner on MATLAB
* Tuned the system to obtain **maximum performance** by studying the effects of **coefficients** of the controller

POSITIONS OF RESPONSIBILITY

Publicity Team Lead, *Moksha’15*, cultural fest, NSIT

* Devised a **publicity campaign** for advertisement of the festival, which had a **footfall** of **2500+** people
* **Led** a team size of **10** people, responsible for **print media advertising** in various colleges across NCR

**Sponsorship Team Lead, *Innovision’15*, technical fest, NSIT**

* Led a team of 10 students to **raise funds worth INR 11.25 Lakh** in a time span of 2 months
* Successfully **on-boarded six new** companies and convinced them to sponsor for the festival

**Captain, Cricket at *Moksha’14,* cultural fest, NSIT**

* **Runners-up**, Responsible for formulating strategies and improving the performance of the team

EXTRA – CURRICULAR

***Spardha’13*, Annual sports meet, Ramanujan Hostel, NSIT**

* **Captained** the **winning** team in Cricket; **won** tug of war tournament and participated in football

**Other interests and hobbies:** Travelling and visiting new places, reading books