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| --- | --- | --- | --- | --- | --- |
|  | **Umesh Prajapat** | |  | **11004052** |  |
|  | **Civil Engineering** | |  | **UG Second Year** |  |
|  | **Indian Institute of Technology, Bombay** | | | **Male** |  |
|  |  |  | | **DOB: 27/06/1993** |  |
|  |  |  | |  |  |
| **Examination** | **University** | **Institute** | | **Year** | **CPI / %** |
|  |  |  | |  |  |
| Graduation | IIT Bombay | IIT Bombay | | 2011 | 6.57 |
| Intermediate/+2 | RBSE Board | M.B School Kota | | 2011 | 85.95 |
| Matriculation | RBSE Board | V.N.Sec School Chittorgarh | | 2009 | 92.17 |

**SCHOLASTIC ACHIEVEMENTS**

* Secured All India Rank of **4394** in IIT Joint Entrance Examination 2011 (**top 0.8%** out of **5,00,000**)
* Secured All India Rank of **9912** in All India Engineering Entrance Examination 2011 (**top 0.8%** out of **12,00,000**)
* Secured All State Rank of **499** in Rajasthan Pre Entrance Examination 2011 (**top 0.8%** out of **60,000**)
* Awarded Hindustan Jink Scholarship for Genius student. *(2008-09)*
* **Twice** Awarded **brilliant student medal** by smt **Pratibha devi singh Patil** (then Governer of Rajasthan)
* Awarded zonal scholarship through talent search examination.

**EXTRA CURRICULAR ACTIVITIES**

* **Cofounder of Shikshantar group**  which is involved in education sector, having a tie up with AAKARTI education .
* **Represented** school at **state** **level** for **Vedic mathematic’s quiz**
* **Represented school kho kho team** at **zonal level four times** and **secured 2nd position** every time
* Was part of the **National Sports Organisation** for Cricket *(Aug ‘11-Mar ‘12)*
* Was part of the **Freshmen Cricket Team** that finished **1nd** in the **Cricket GC**, IIT Bombay
* Was part of winner Dramatics team among freshies (’11)
* Made movie which came at 5th position in freshie’s compition *(’11)*

**POSITIONS OF RESPONSIBILTY**

* **Sports Secretary**, Hostel-7, IIT Bombay *(Aug ’12-Present)*
* **Organizer**, **Mood Indigo**, IIT Bombay *(‘11)*
* **Organizer, techfest,** IIT Bombay (’12)
* **School secretary ,** V.N.SEC.School ,Chittorgarh (‘08-09)

**KEY ACADEMIC PROJECTS**

**C++ Project** (Guide: Prof.D.B.Phatak)  *(’11)*

* Created a **hospital database management** based on UID.
* Used array, file handling , graphics using EZ windows.

**RF Circuit powered vehicle** *(’11)*

* Designed a wireless, RF Circuit powered vehicle under the programme **Techone.**
* The objective was to complete a track, with several mechanical obstacles, in minimum amount of time.

**Line Follower** (’11)

* Designed a line follower bot using IR sensors and LED.
* Objective was to follow a white line in minimum amount of time.

**Devil dozer** (’11)

* Designed a bot which can pick 5 balls at a time and can store them at a particular place .
* Objective was to store maximum balls in given amount of time.

**Analog to digital converter (**Guide : Prof S.D. Gupta) {ongoing}

* Design an 8 bit analog to digital convertor as curriculum project.
* Using 555 timer and Flash ADC 0804 so the motive will be achieved efficiently .

**Designing of Stapler (**Guide : Prof Bapat ) {ongoing}

* Analysis of user’s need .
* Analysis how to modify the present product

**TECHNICAL SKILLS**

* **Programming Languages/Tools**: Java, C/C++, HTML, MATLAB, SCILAB
* **Operating Systems**: Microsoft Windows, Ubuntu (Linux)
* **Application Softwares**: Microsoft Office, Adobe Photoshop, Adode illustrator, Google sketch up

**RELEVANT COURSES**

* **Core Courses**:
* Solid Mechanics
* Fluid Mechanics
* Engineering Mechanics
* **Other Key Courses**:
* Computer Programming and Utilization (C++)
* liner algebra,
* differential equation
* Calculus
* Economics
* Chemistry
* Electricity and magnetism,
* introduction to Electrical and Electronics
* Extension to linear algebra.
* **Lab Courses:**
* Physics
* Chemistry
* Workshop
* Fluid
* Solid mechanics
* computer science lab
* **Elective :**
* Designe issues