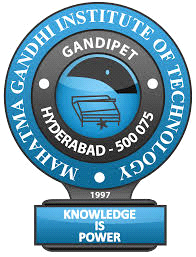
**VASUDEV TADAVARTHY**

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Telephone No.: 040-27120808

Date of Birth: 11th MAY, 1993



**CAREER OBJECTIVE**

I believe the Internet of Things will have a profound impact in the future . My objective is to work as technology development engineer enabling anything to be connected and providing ‘smartness’ to these connected things.

**ACADEMICS**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.No. | Degree | Year of Study | Specialisation | University/Board | Aggregate |
| 1. | Bachelor of Technology | 2010-2014 | Mechatronics | Jawaharlal Nehru Technological University | 72% |
| 2. | Intermediate | 2008-2010 | Maths,Physics, Chemistry | Board of Intermediate  Education | 92% |
| 3. | C.B.S.E | 2007-2008 |  | Central Board Of Secondary Education | 70% |

**KEY SKILLS**

**Computer Skills:** JAVA ME Embedded,Java Script , HTML & CSS . Python Scripting & Arduino IDE(C/C++).

Basic Knowledge on TCP/IP , Computer Networks .

**MINI PROJECT**

**Project Title:** Automatic Wiper System

**Description:** The main aim of the project is to automatically wipe the water on the windshield of an automobile. We used a impedance sensor to sense the water **.** The Arduino a 32-bit microcontroller was the key part for the functioning of our project.

As the intensity of rain-fall increases Cleansing action of wiper blade also increases (using PMW principle).

**MAJOR PROJECT**

**Project Title:** Intelligent Suspension System

**Description**: The objective of this project is to develop automated car suspension systems to improve the passenger’s comfort and safety reducing the inertial effects on the passengers.

**Working :**

Mechatronics system that we have chosen comprises a Arduino (micro-controller) coupled with 3 –axis Accelerometer (**ADXL335 analog)** and actuators. When the sensor senses a change in the inclination it communicates it to the micro-controller. Microcontroller in response to the sensor signal sends a signal to the actuator to perform the required action of varying the height of the suspension system to ensure the amount of force that the body is subjected to is always the same (reducing / Nullifying the inertial effects).

**MY CURRENT PROJECT**

**Project Title : Smart Water Dispenser** (**Internet of Things**)

A smart Drinking water dispenser that can sense the level , and send alerts to concern person using Twilio API. It can also analyze data (No. of refills , frequency , peak refills etc.,)

I am working on many other similar innovative (Internet of Things) projects that make life much more simple and easy.

I would like to discuss more about these projects in detail.

**CO-CURRICULAR ACTIVITIES**

1. Underwent an In-plant Training course at Nuclear Fuel Complex, Hyderabad :

Worked on all kinds of machines (conventional and CNC) and gained sufficient industrial exposure.

2. Undertook a study project at Bharat Dynamics Limited, Hyderabad : **Mechanical Student Project on CNC Machines**

**EXTRA CURRICULAR ACTIVITIES**

1. Awarded second prize for building ‘Aqua Ranger’, an aquatic robot at the Robotics fest organised by IIT Kharagpur in which around 120+ teams across the country have participated.

2. Organized a workshop on building a ‘Hover Boat’, an aqua robot, at Institute of Aeronautical Engineering (IARE), Dundigal in which around 25+ teams have attended from various colleges.

3. Participated in Poster presentation event organized by NIT Bhopal on Nano Technology.

4. Active member of NSS (National Service Scheme) wing of MGIT. Took part in blood donation camps and planted trees at MGIT as a part of ‘Save the trees’ campaign of NSS.

5.. Member of NCC during schooling : As an NCC cadet I understood the essence of Unity and Discipline and received A-certificate as an NCC cadet.

**HOBBIES**

1. Working on Arduino and building DIY devices.

Built an obstacle detector , Line follower and many more .

2. Playing volleyball and chess with my friends.

I was a team member of my school and participated in various District and State level competitions.

3. Keeping a track of developments in science & technology.

Exploring new gadgets and technology advancements in the field of defence systems, IOT.