Siddharth Dhadkar

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**Objective:** To bring my talents, skills and efforts in resonance with the organization’s vision and mission and inducing positive difference to the organization and my skills in best possible way.

**Academic Qualifications:**

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| --- | --- | --- | --- | --- |
| **Degree/Examination** | **Institution** | **Board/University** | **Year** | **Percent** |
| B.E. (EC) | IES-IPS Academy, Indore | RGPV Bhopal | 2014 | 6.95 (CGPA) |
| H.S.C (12th) | Universal Academy, Indore | MPBSE | 2009 | 68.8% |
| S.S.C (10th) | Army School, Mhow | CBSE | 2007 | 80% |

**Technical Skills**: Embedded Systems, Microcontrollers (8051, AVR), Microprocessors, C language programming, VLSI , VHDL(basics) Arduino and Keil based programming of Microcontrollers.

**Industrial Training:**

* Organization : Cocoon, Indore

Duration : 45 days.

Key Learning : Automation based on 8051 microcontroller, Its programming in C and Assembly Language

* Organization : TechWiz Solutions , Indore

Duration : 30 days.

Key Learning : Advance Embedded and Embedded Communication - Based on AVR microcontrollers

**Projects Undertaken:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Project Name & Duration** | **Organisation** | **Technology** | **Description** |
| Interfacing of Sensors, electronic devices & PCB designing (30 days) | Cocoon (Indore) | 8051 microcontrollers | LCD, Key Board, Stepper Motor, Digital Clock, etc.  PCB designing using software : EAGLE |
| Advance Embedded – AVR controllers (15 days) | TechWiz Solutions  (Indore) | AVR Microcontrollers | Programming of AVR ATMEGA8 and ATMEGA16 microcontrollers using ARDUINO open source Software & Hardware |
| Embedded Communication (15 days) | TechWiz Solutions  (Indore) | AVR Microcontrollers and GSM modem RFID sensors , ZigBee | Using AT commands for controlling GSM modem , interfacing of RFID and ZigBee with Microcontrollers and Transceiving Data to and from RF modules |
| (Ongoing Project)  Raspberry Pi --  Interfacing, Automation, Networking,. etc. |  | Raspberry Pi  (ARM Processor)  Internet of Things | Interfacing it with various electronic devices and using it for high level automation projects like Home Automation, FTP Server, Sync with Cloud Storage, & Internet of Things  (In Progress) |

**Minor Project:** PrototypingInternet of Things (**IoT**), using Arduino development board. Allowing public access to the devices connected to microcontroller over internet.

**Major Project:** Internet of Things (IoT) – machine to machine (M2M) communication (a prototype) using zigbee AVR microcontrollers (extending minor project).

**Research Papers:**

|  |  |  |
| --- | --- | --- |
| **Topic** | **Published in** | **Description** |
| Anti-gravitation | GASS International conference 2013  (ISSN 2320-4702) | Paper describes study of research based on gravity as waves and possibility of destructive interference of these waves resulting in antigravity and similar phenomenon and its possible application in aviation. |
| Anti-gravitation  (part 2) | Research in progress | Further elaboration of the previous concept and mathematical evaluation of gravity as waves. |
| Spintronics | Research in progress | Manipulation of spin of electron and observation of spin-polarized electron injection from a ferromagnetic metal to a normal metal and study of magneto-resistance and its application |

**Extra Curricular Activities:** Active participation in Dance competitions at various levels in college and fest in IIT Indore. Participation in online Photography competitions and Research Paper contests.

Participated in TEDx IPSA Indore as a Volunteer and Volunteered in various college events.

**Personal Details:**

Father’s name **:** Mr. Rajesh Dhadkar

Mother’s name **:** Mrs. Deepa Dhadkar

Date of Birth **:** January 10, 1992

Languages known **:** English, Hindi, Marathi

Hobbies and *Interests* **:** Writing Poems, Sketching, Reading Books, Playing - Pool, Snooker, Chess, Cricket, Giving Seminar Presentations, Gardening,   
 *Photography, Videography and Editing (Adobe After Effects), Dancing, Teaching Physics*

Strengths **:** Imaginativeness, Improvising-skills, Counseling-skills   
 I work better under pressure, affability.

**Declaration:** I hereby declare that the credentials furnished above are complete & correct to the best of my knowledge.

**Date:** 12-03-2014

**Place:** Indore **SIDDHARTH DHADKAR**