

Name: Mahadev Krishnaji Mishal

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1 Career Objective

Looking for an internship program where I could learn under working professional to gain knowledge and improvement of my skills by giving some input to the organization.

2 Education

Sr no	class	Institution	board	score	passing year
1	TY	walchand coe sangli	SUK	8.15	on going
2	SY			8.1	2016-17
3	FY			8.15	2015-16
4	HSC	Jawahar Navodaya Vidyalaya Sindhudurg	CBSE	90.8%	2013-14
5	SSC			90.4%	2011-12

3 Projects

1. Spotter Snake

- E-yantra robotics competition by IITB. (**Aug 2017-Mar 2018**)
- Designing and building of a biomorphic robot that resembles a snake capable of traversing different terrains and can be used to detect rodents present in warehouse.

2. Braille watch

- Ignited Innovators of India by COE Pune and EATON. (**Nov 2017-Mar 2018**)
- The project is based on braille language used by blind people to read the text. We have used a microcontroller MSP430G2253 and RTC module to actuate the linear actuator which will display time in braille format when requested by user

3. Line Following Based Multipurpose System for Hospitals:

- India Innovation challenge design contest by Texas Instruments and IIM Bangalore. (**Quarter final ongoing**)
- Our idea is to make a clone of sweeper robot and delivery robot to perform multiple tasks semi-autonomously and autonomously.

4. Anti-pilferage and anti-adulteration system for fuel road tankers

- Smart India Hackathon 2017(**Stage to ongoing**)
- System addresses the problem of pilferage and adulteration of fuel tanks en-route from terminals to retail outlets by continuous monitoring of location, level, pressure and temperature parameters with cloud connectivity also ensuring emergency management.

5. **Waveform generator**

- TY B-Tech Mini project(**Jul 2017-Dec 2017**)
- Designed a system to generate waveform using PWM and also using DAC module of LPC2148 microcontroller

4 Workshops

- Low Power Microcontroller on MSP430 organized by Electronics department, WCE Sangli.
- Python organized by WLUG (Walchand Linux User Group).
- Proteus professional by ELESA (ELectrinics Engineering Student's Association).

5 Technical Skills

1. **Languages:**

C, Python, C++, Java (novice), VHDL, Verilog, HTML CSS.

2. **Microcontroller Known:**

P89V51RD2 (8051), MSP430G2553, MSP432P401R, LPC2148, ATmega 328.

3. **Software known**

- **Circuit simulation and PCB designing:**
Eagle, Altium Proteus professional, Multisim, Webench(TI), PSIM
- **Robotic simulation**
VREP (Virtual Robotics Experimentation Platform)
- **IDEs**
Energia, u-Vision, Xilinx, CCS, Arduino, Atmel Studio
- **Computational tools:**
MATLAB, LabView
- **3-D designing and animation:**
Autodesk Fusion360, Blender

6 Soft skills

Teamwork, Leadership, Workflow Management.

7 Extra curricular activities

- Participated in National level Youth Parliament programme organized by NVS in JNV Paota, Jaipur in 2012-13.
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8 Co curricular activities

- Currently working as **President** of ELESa (ELectronics Engineering Students Association).
 - Secured 4th rank along with consolation prize in e-Yantra a national level robotics competition organized by IIT Bombay.
 - Currently in quarter finale of India innovation challenge design contest organized by Texas Instrument and IIM Bangalore.
 - Semifinalist of Ignited innovators of India contest organized by COE Pune and EATON.
 - Worked as organizer of ELECROTOVERT 2k17 & 2k16 a state level technical event by ELESa.
 - Organized a workshop on electronics simulation tool Proteus Professional.
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9 Personal details

- **Father's Name:** Mr. Krishnaji Mahadev Mishal
 - **Mother's Name:** Mrs. Ranjana Krishnaji Mishal
 - **Sex:** Male
 - **Date of Birth:** 19th July 1996
 - **Nationality:** Indian
 - **Marital Status:** Unmarried
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