

**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.

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## 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

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## 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 (ELectronics 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.

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## 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 ELESAs (ELectronics Engineering Students Association).
  - Secured 4<sup>th</sup> 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 ELESAs.
  - 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:** 19<sup>th</sup> July 1996
  - **Nationality:** Indian
  - **Marital Status:** Unmarried
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## 10 Declaration

I hereby declare that above all information is true to the best of my knowledge and belief.  
Thanks!