




**Niraj Kumar Mishra.**

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**B.E Mechanical.**

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Examination.	University.	Institute.	Year.	Percentage
Graduation	SPPU	SCOE	2018	72.07
12 <sup>th</sup>	Veer Kuwar Singh	Radha Shanta	2014	71.20
10 <sup>th</sup>	CBSE	RSBPS	2010	8.4 (CGPA)

### INDUSTRIAL EXPERIENCE

**Gujarat Bondchem pvt. Ltd.**

[Feb 2021 – Present]

#### JOB ROLE

- Production Manager

#### DESCRIPTION

- Manufacturing of Microcrystalline wax and HMMM agents.

**Swastik Argo Industries Marketed by PATANJALI.**

[Oct 2018 - Dec 2019]

#### JOB ROLE

- Quality Management

#### DESCRIPTION

- Manufacturing of Cattle Feed for PATANJALI.

### KEY ACADEMIC PROJECTS

**Active Braking System.**

Course project guide: Prof S.R. Bhawe

[Oct 2017 – July 2018]

#### ACTION

- Collect details from Rahul Dhod, “Smart Braking System for Automation”, Vol. 3.
- Select the proper prime mover of Johnson motor(12V,DC), **Ultrasonic Sensor**, **Solenoid**(12V to 36V), Relay, **Arduino** etc.
- Created a **CAD model** for prototype vehicle and developed a program for **Arduino** using **MATLAB**.

#### IMPACT

- Simulated and Analysed the system and manufactured a prototype vehicle.
- Testing the prototype in two cases like reduce speed by applying **soft brake** and **suddenbrake**.

#### FUTURE WORK

- Avoid accidents by applying suitable Auto Braking by detecting the obstacle in their path.
- Safely loading and unloading in Automated Industrial Area.

### INTERNSHIP

**TATA STEEL Ltd, Jamshedpur.**

Guide: Brajesh Kumar Singh

[June 2017 – July 2017]

#### ACTION

- Worked on **H Blast Furnace** to improve cast housing machines reliability.
- Study all the activity of operations improvement for the cast house.
- Case study of **Tap Hole** opening and **Tap Hole Clay Gun**.

#### IMPACT

- Reduction in the amount of the hot metal lost with the liquid slag.
- Significantly reduce the volume of pollutants created during tapping.

### EXTRA - CURRICULARS

#### WORKSHOP

- Training program on Automotive Dynamics from the team of **Formula 1 Marshalls Racing**.

#### SPORTS

- Participated in Sinhgad Karandak Sports Kabaddi held in SCOE campus– 2017
- Volunteered in Sinhgad Karandak Sports Techtonic held in SCOE campus – 2016
- Participated in Sinhgad Karandak Sports Techtonic Greek Age held in SCOE campus – 2015

#### TECHNICAL SKILLS

- **PRO-E, ANSYS, MASYER CAM, MICROSOFT OFFICE.**

### DECLARATION

I hereby declare that all the above information furnished by me are true to the best of my knowledge.

Niraj Kumar Mishra.