



GAIKWAD SUSHANT SHASHIKANT USHA

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MECHANICAL ENGINEER:

Finding a challenging and rewarding opportunity in department of Mechanical Engineering with an organization of repute which recognizes and utilizes my true potential while nurturing my technical skill.

PROFILE :

- B.E. Mechanical from VIVA Institute of Technology, Virar (EAST); affiliated to University of Mumbai.
- Ability to make decisions with shorter time and good result.
- Knowledge of creating detailed mechanical drawings for piece parts and assemblies from Solid Works models.
- Capable to handle work load with good result from students.
- Have practice of teaching with power point and videos.
- Can operate CNC machines with basic knowledge of its programming.
- Familiarity with the general administrative environment at large organizations and idea about their practices.

EDUCATIONAL ACHIEVEMENTS:

QUALIFICATION	SCHOOL / COLLEGE	UNIVERSITY/ BOARD	YEAR	PERCENTAGE / CLASS
M.E. (Manufacturing System Engineering)	VIVA INSTITUTE OF TECHNOLOGY, VIRAR (EAST)	Mumbai University	2017	Persuing
B.E. Mechanical	VIVA INSTITUTE OF TECHNOLOGY, VIRAR (EAST)	Mumbai University	2015	63.47 First Class
12 th (HSC)	SHANKAR NARAYAN COLLEGE, BHAYANDAR (EAST)	Maharashtra State Board Of Secondary And Higher Secondary Education	2010	67.67 Distinction

10 th (SSC)	VIDYA MANDIR, DAHISAR (EAST)	Maharashtra State Board Of Secondary And Higher Secondary Education	2008	85.23 Distinction
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JOB EXPERIENCE:

➤ LECTURER (DNYANSHREE INSTITUTE OF ENGINEERING AND TECHNOLOGY, SATARA)

Currently working as Lecturer at **VIT Pune's Satara Campus Dnyanshree Institute of Engineering and Technology, Satara**. Working period from August 1, 2015 till May 31st 2016 . With subjects taught such as Engineering Graphics, Metrology & Quality Control, Engineering Drawing, Management.

➤ LECTURER (PRAVIN PATIL COLLEGE OF DIPLOMA ENGINEERING AND TECHNOLOGY, BHAYANDAR)

Currently working as Lecturer at **Pravin Patil College Of Diploma Engineering & Technology, Bhayandar (East)**. Working period from June 21st 2016 till date.(Subjects taught as Basic Mathematics, CNC Machines, Machine Engineering Drawing, Production Engineering, Theory of Machines)

ACADEMIC PROJECTS :

➤ BUTTON OPERATED GEAR SHIFTING IN TWO WHEELER (Main Project)

1. Team size: 4
2. Duration: 8-9 months.
3. Description: The main aim of the project is to develop an easy of manual transmission in two wheelers by the implementation of 'ELECTROMAGNETIC COILS'. By referring to various papers and journals an initial design was made. A working model was successfully made and testing at various loads was studies. The shifting of gears was carried out with the help of two switches connected to gear rod which in turn was coupled to Electromagnetic Coils. One for shifting up and one for shifting down. The model was tested for maximum rpm and torque. The smooth shifting of gears was achieved at various rpm.

➤ HEAT SENSOR (Mini Project)

1. Team size: 6
2. Duration: 4-5 months.
3. Description: An electronic Heat sensing device which senses the rise in heat in the room temperature and starts the cooling system which consisted of a fan. This apparatus was capable of accurately working at 4 different temperatures. It was implemented to achieve a constant temperature in different places.

EXPERIENCE:

➤ **INPLANT TRAINING IN CARRIAGE WORKSHOP, CENTRAL RAILWAY, MATUNGA (E):**

Worked in LUF, Wheel Shop, Trolley Shop and Smithy Shop. Studied in details about the Air Brake System, POH, Heavy Corrosion Repairs and Distributor Valve. Main line coaches and EMU coaches of various sections were closely observed and studied under guidance of the present duty Engineers, Jr. Engineers and Supervisors of respective departments.

➤ **TRAINING IN POWER PLANT FAMILIARIZATION, RELIANCE IFRA LTD, DAHANU THERMAL POWER STATION:**

Observed working of plant with under guidance of senior engineers. Precautions taken for the surrounded area while working of plant. Studied the monthly consumption of coal its cost and power generation by plant.

➤ **SHORT TERM TRAINING PROGRAM ON “AUTOMATION, PLC & SCADA PROGRAMMING”:**

Studied concepts related automation under the guidance of Proff. Sunil Panchal, also studied the programming of PLC and basic knowledge of SCADA programming.

TECHNICAL SKILLS:

- MS Office.
- Software packages: Solid works, AutoCAD, Siemens Fluid Sims.
- Handling of lathe machine.
- Knowledge about lathe machine & CNC machines (with simple coding) operations like facing, turning, drilling,etc (Specially on Lathe CNC)
- Testing various equipments at Carriage Workshop, Central Railway.

CO-CURRICULAR ACTIVITES:

- Industrial visit to Mahindra and Mahindra Plant, Igatpuri.
- Visit to Mahindra and Mahindra Plant, Kandivali.
- Industrial visit to Verka Dairy, Chandigarh.
- Industrial visit to Volkswagon Plant, Chakan.
- Member of IIIE (Indian Institute of Industrial Engineering)
- Worked as sports incharge of Mechanical department in both institutes.

PERSONAL INFORMATION :

- **Address:** C-204, Holy Complex, Above Deepak Hospital, Mira-Bhayandar Road, Mira Road(East), Thane-401107.
- **Date of Birth:** 19th December, 1992.
- **Languages:** English, Hindi, Marathi.
- **Nationality:** Indian.
- **Caste:** Hindu – Maratha.
- **Marital status:** Single.

DECLARATION :

I hereby declare that the above mentioned information is correct to best of my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

(Sushant S. Gaikwad)