



NANDAKUMAR NAGOTHKAR

DOB: 15/02/1993

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CURRICULUM VITAE

Career Objective:

To pursue career in an engineering & technological institute using my ability to impart knowledge creating skillful individuals

Teaching Experience:

- **Dr. Babasaheb Ambedkar Technological University, Lonere (Jan 2018 to tilldate)**

Assistant Professor

Courses Undertook

1. Engineering Graphics (SemII)
2. Engineering Graphics Lab (SemII): 2 Batch
3. Renewable Energy Sources (Sem IV)
4. Manufacturing Processes Lab II: 1 Batch
5. Strength of Materials Lab: 1 Batch

- **Dr. Babasaheb Ambedkar Technological University, Lonere (July 2016 to May 2017)**

Teaching Assistant

Courses Undertook

6. Theory of Machines II Lab (Sem VII): 4 Batches (July 2016 to October 2016)
7. Engineering Graphics Lab (Sem I): 1 Batch (January 2017 to May 2017)
8. Engineering Mechanics Lab (Sem I): 1 Batch (January 2017 to May 2017)

Roles and Responsibilities

- Preparation of individual course file for particular subject
- Planning & timely conduction of practical
- Maintenance of attendance record and timely uploading on web portal
- Timely evaluation of students on the basis of question answer sessions, sheet checking, file checking etc.
- Planning & conduction of external oral examinations if any with concern of subject head

Work Experience:

- **Kirloskar Pneumatic Company Limited (Aug 2014 to July 2015)**

Graduate Engineer Trainee (Manufacturing & Industrial Engineering)

Roles and Responsibilities

- Process Planning, Process Mapping and Time Standard for various manufacturing processes involved in assembly & machine shop.
- Review and revise the assembly procedures to bring the consistency in the results and eliminate the non-value added activities.
- Responsible to provide Jigs (Tooling) required to eliminate marking activity.
- Concept finalization & design of fixtures considering primary drawings, finish drawings and GD&T.
- Manufacture tooling from vendor considering techno-commercial aspects and prove them out in minimum lead time.
- Establish a new process and validate it with prior concern of R&E, machine shop & QA departments.
- Reform in assembly setups by studying the existing work out, studying different options, cost benefits and proposals implementation.
- Assembly Line Balancing, KANBAN to reduce cycle time of operation.
- 3S activities in office area.
- Responsible to record at least 1 Kaizen / Month.
- **HIV- AIDS awareness sessions conducted as a CSR Volunteer.**

- **As an internal trainer- 3 sessions were conducted in front of 70 participants for subjects 1. Energy Conservation and 2. World Environment Day**

Educational Qualification:

- M. Tech. (Manufacturing Engineering) from Dr. Babasaheb Ambedkar Technological University, Lonere with 8.78 CGPA securing **1st rank in the university** in August 2017
- B.E. (Mechanical) from the Pune University with 69.7% (First Class with Distinction) in June 2014
- H.S.C. from S. P. Jain Jr. College, Nagothane (Raigad) with 86.5% in 2010
- S.S.C. from G. R. Agrawal Vidyamandir, Nagothane (Raigad) with 92% in 2008

Academic Project/ Thesis:

1. Title: Heat Aspects in Single Point Diamond Turning (M.Tech. Thesis)

- Duration: August'16 to July'17
- Description: A mathematical and numerical model is developed and simulated for non-linear, dynamic solution in **ABAQUS Explicit** software to understand heat aspects and predict temperature rise during roughing cuts in Single Point Diamond Turning.

2. Title: Study of Garden Waste to Fuel Pellets (B.E. Project)

- Duration: July'13 to May'14
- Description: This project involved design and development of extrusion die to convert garden waste into fuel pellets to use them for domestic as well as commercial purposes. We used Autocad software for drafting purpose. The project was carried out in Gangotree Eco-Technologies Pvt. Ltd. Pune.

3. Title: Design, Analysis & Manufacturing of an All-Terrain Vehicle (SAEINDIA BAJA)

- Duration: April'13 to February'14 (BAJA'14).
- Description: SAEINDIA BAJA is an international level competition where the teams from universities from all over the world build off-road buggies (ATV). The goal in BAJA is to design, build and race All-Terrain Vehicles that can withstand the harshest elements of the rough terrain.
- Roles played: Procurement and Manufacturing team member (BAJA 2014).
- Achievements: Won 1st prize for **'Best Engineering Aesthetics & Ergonomics'** in BAJA'14. Also stood 4th in Design Evaluation.

Professional Appreciations:

- Certificate of Appreciation- **Spontaneous Award** received from Department Head of Manufacturing Engineering for successful achievement in 3S certification.
- Awarded with **3rd Rank** in Slogan Competition during 'Energy Conservation Week Celebration' in December 2014.

Software Proficiency / Other Expertise:

- ABAQUS Simulia 6.14
- CATIA V5
- Auto CAD 2016 and Draftsight 2010
- Pro- E
- MS-Office 2013

Extracurricular Activity:

- Member Execution Committee for the 1st International Conference on Materials, Manufacturing and Design Engineering (iCMMD2016) on December 20-21, 2016 at Dr. Babasaheb Ambedkar Technological University, Lonere
- Volunteered for One Week Workshop on Developments in Welding Technology at Dr. Babasaheb Ambedkar Technological University, Lonere
- Volunteered for **AIDS awareness campaign** at KPCL Pune during December'14
- Volunteered for College Technical Festival **'Excelsior'** at Sinhgad College of Engineering, Pune during February'12
- Represented school at the **District level** Science Exhibition during February'09

Paper Presentation:

Presented technical paper titled *"Multi Attribute Decision Making in Electro Discharge Machining of SKD11 Steel using SAW Optimization Method"* at **National Conference on Recent Trends in Mechanical Engineering (NCRTME)** held at Walchand College of Engineering, Sangli during July 7-8, 2016.

Personal Profile:

Date of Birth: 15th February 1993

Permanent Address: 102, Vithabai Villa, Near Jogeshwari Temple, Nagothane, Roha, Raigad. 402106.

Gender: Male

Marital Status: Unmarried

Hobbies: Painting and Sketching, Reading, Playing Dholki

Languages known: English, Marathi and Hindi