

# RUTURAJ UMESH KAKADE.

(Master of Technology in Mechanical Manufacturing)

Email : [raturajkakade27@gmail.com](mailto:raturajkakade27@gmail.com)

Mobile: +91-8379994260



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## CAREER OBJECTIVE:

Seeking an opportunity to work in organization where I can contribute into the growth of organization along with my personal development.

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## EDUCATION:

Completed **Master of Technology** in **Mechanical Manufacturing** from Shivaji University with **8.44 CGPA** in 2021 (Rajarambapu Institute of Technology, Islampur.) (**2<sup>nd</sup> Rank**)

Completed **Bachelor of Engineering** in **Mechanical** from Shivaji University with **60%** in 2019 (Annasaheb Dange Collage of Engineering and Technology, Ashta.)

Completed **HSC** from Maharashtra State Board with **54.23%** in 2014 (New Collage, Kolhapur.)

Completed **SSC** from Maharashtra State Board with **73.09%** in 2012 (Maharashtra Highschool, Kolhapur.)

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## CO-CURRICULAR ACTIVITIES:

During the academic educational period various trainings, workshop, webinar and online course completed are as follows

➤ **Online Courses on:**

- Six Sigma Yellow Belt
- Fundamentals of Manufacturing Processes (NPTEL Elite)
- SOLIDWORKS
- Career Edge - TCS iON

➤ **Workshops and Trainings on:**

- Workshop on Electric Vehicle Training at Tata Autocomp, Pune.
- Ideation Workshop
- Non-Destructive Testing.
- Condition Monitoring & Fault Diagnoses of Rotating Machine
- Hands on Training and Advances in Refrigeration and Air-Conditioning

- Additive manufacturing and 3D Printing
  - **Webinar Attended on:**
    - Research Paper Writing and Intellectual Property Rights
    - How to Write a Research Manuscript: Current Protocols
    - Basics of AI and Machine Learning and A Few Real – world Examples
    - Introduction to CAD and 3D Printing
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## **ACADEMIC PROJECTS:**

### **MEGA PROJECT TITLE (BE):**

“Heat Transfer Enhancement for Surfaces with Different Dimple Shapes”

### **PROJECT DESCRIPTION**

Enhance the heat transfer augmentation with minimum pressure drop, increasing thermal performance of dimple plate with respect to plain plate.

***(The project is sponsored by ISHRAE HQ, New Delhi under activity ISHRAE Student Project Grand-UG (ISPG-UG) with a funding.), Group Leader.***

### **MEGA PROJECT TITLE (M. TECH)**

“Optimization of Process Parameter in A-MIG welding of EN10028 (SA 516 Gr.70) using RSM methodology.”

### **PROJECT DESCRIPTION**

Find optimal set of process parameter to achieve higher tensile strength, depth of penetration, hardness and microstructure of weld. To find optimal values Taguchi method was used and for optimization TOPSIS method was applied successfully. For activated MIG welding, Al<sub>2</sub>O<sub>3</sub> flux is used and the higher TS and DOP is achieved successfully.

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## **PAPER PUBLISHED:**

[1] “A Review on Optimization of MIG welding Process Parameters using different Method” in “International journal of Advances in Engineering and Management” (IJAEM)

[2] “Implementation of TOPSIS technique for optimization of process parameter in metal inert gas (MIG) welding of EN10028” in National Conference on "Recent Advances in Engineering and Technology"

[3] “Application of TOPSIS and comparative study of conventional and activated metal inert gas welding of EN10028 (SA516Gr70)” under review in “Journal of Pressure Vessels and Piping” (Elsevier Publisher)

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## **INTERNSHIP & EXPERIENCE:**

[1] COMPANY NAME: Technocraft Engineering. (Shri Laxmi Ind. Kolhapur)

PERIOD OF TRAINING: 15 Days (29<sup>th</sup> May 2018 to 12<sup>th</sup> June 2018)

[2] COMPANY NAME: Rastriya Chemicals and Fertilizers Ltd. (Thal, Alibag, Raigad)

PERIOD OF TRAINING: 01 Day (8<sup>th</sup> Sept. 2018)

[3] COMPANY NAME: HIND GEARS Industries pvt. Ltd. (Shiroli MIDC. Kolhapur)

PERIOD OF TRAINING: 15 Days (5<sup>th</sup> Jan. 2021 to 21<sup>th</sup> Jan. 2021)

[4] COMPANY NAME: SAI Surgical (Sangli)

TOTAL PERIOD: 1 Year & 02 Months      DESIGNATION: Production and aftersales  
Manager and Maintenance

[5] INSTITUTE NAME: Ashokrao Mane Collage of Engineering (Wathar, Kolhapur)

TOTAL PERIOD: 1 Year & 05 Months      DESIGNATION: Assistant Professor.

[6] INSTITUTE NAME: Rajendra Mane Collage of Engineering (Ambav (Devruk), Ratnagiri.)

TOTAL PERIOD: Currently Working (08 Months)      DESIGNATION: Assistant Professor.

(Subject: ATRX, TMS, AM, VBES)

(Other Responsibilities- IE, Oral Practical In-Charge, Feedback Report & Analysis,  
Mentoring, CC- III & IV Year Automobile, Project Coordinator, Autotrendz In charge, Lab In  
charge,

(Member in NSS Club, Nature Club & History Council at collage level)

## **SOFTWARE PROFICIENCY:**

- MS-OFFICE 2022
  - Auto Cast X1(Mold & Casting Simulation Software)
  - CATIA-V5
  - SOLIDWORKS 2017
  - MINITAB 20
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## **STRENGTHS:**

- Good leadership qualities.
- Hard working ability.
- Proficient in technical.

**PERSONAL DATA:**

Address: Shri Ram-Vijaya Kakade Home, At-Shirala, Tal-Shirala, Dist-Sangli, Maharashtra 415408.

Marital Status: Unmarried.

Date of Birth: 27<sup>th</sup> August 1996.

Languages known: English, Hindi, Marathi.

Hobbies: 3D Drawing and Painting, Photography, Tracking, Driving, Swimming

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**DECLARATION:**

I hereby declare that the above stated information is true to the best of my knowledge.

**Date:**

**Place:**

**Mr. Raturaj Umesh Kakade.**