CURRICULUM VITAE

Name: Rahul Raju Kundiya

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DOB: 10/02/1999

OBJECTIVE

To obtain position that will allow me to utilize my technical skill, abilities and willingness to learn also the looking forward to an opportunity where I can utilize my knowledge and contribute towards organization goal's by my hard work.

EDUCATIONAL QUALIFICATION

- **Ph.D.** in **Mechanical Engineering** pursuing from **Bharati Vidyapeeth, Pune.**
- **M.TECH**. in **Manufacturing Engineering** passed from **DBATU** [2022]
  CGPI: 8.85 (University Silver Medalist)
- B.E.(Mechanical Engg) passed from **University of Mumbai.** [2020]
  CGPI: 7.51
- Diploma Passed with **First Class** from Mechanical Engineering Department, **Maharashtra State Board Of Technical Education(MSBTE)**. [2016-17]
- SSC with Distinction from **Maharashtra Board.** [201p

EXPERIENCES AND INDUSTRIAL EXPOSURE

- Assistant Professor in VPM's MPCOE, Velneshwar from August 2022 to Till date
- Subject Matter Expert (Freelancer) in **Chegg India Pvt. Ltd.** from April 2021 to June 2022.
- Successfully completed virtual online internship in **Vardhan consulting engineers** during the period from 14 June 2020 to 28 July 2020.
- Successfully completed In plant training at **Gharda chemicals limited, lote** during the period from 20 June 2018 to 05 July 2018.

EXTRA CURRICULAM ACTIVITIES

- Participated in Online Faculty Development Program (FDP) on "**EDUCATION 4.0 IN HIGHER EDUCATION**" organized by Department of Computer Engineering, **Vishwakarma Institute of Information Technology, Pune** in association with Computer Society of India Pune Chapter held between 31st July 2023 and 4th August 2023.

- Participated and successfully completed one week ISTE approved Online Workshop on -"**Introduction to ML,NLP & Chat Bots**" jointly organized by Department of Mechanical, Instrumentation and Electronics & Telecommunication Engineering of **VPM's MPCOE, Velneshwar** during 24th July 2023 to 29th July 2023.
- Participated in Faculty Development Programme (FDP) on "**An Integrated Approach to Reviewing Your Paper: Leveraging the Power of Citation Tools and ChatGPT**" organized by R&D Committee, RGCMS.
- Participated in the One Week Online FDP on "**Advancements in Thermal and Renewable Energy Technologies (ATRET-2023)**" organized by the Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna (Dt.), Andhra Pradesh, India organized from 04/01/2023 to 09/01/2023.
- Participated in the TEQIP-III Sponsored Five-Day National E-Workshop on "**Design and Manufacturing of Advanced Materials**" organized by Department of Mechanical Engineering, **National Institute of Technology Karnataka, Surathkal** from February 15th to 19th, 2021.
- Successfully completed **corporate skill development** training program in **Vardhan consulting engineers** during the period from 9 May 2020 to 8 June 2020.
- Participate in online **certified lean practitioner** course organized by Asian institute of quality management, pune
- Participate in online **ISO 9001:2015 QMS implementation** course organized by Asian institute of quality management, pune
- Successfully completed one week STTP on **CATIA V5** conducted from 7 to 12 october 2019.
- Successfully completed 5 days training program on **Advanced Mechatronics** practical workshop organized by Prolific system and technologies pvt ltd, pune under NSDC.
- Participate in **Life long learning extension projects** under University of Mumbai

PROJECTS

1. Analysis and modelling in micro drilling of CFRP-Ti6Al4V stacked composite (M.Tech Project)

Description: Experimentation performed on Ti6Al4V/CFRP stack composite using a Customize RSM CCD design using three variable parameters like spindle speed, MQL and feed rate. Ti6Al4V/CFRP stack used in aerospace industry for engine cowlings, wings connection, wing panels, nacelles. The experiment will be performed on CNC micro machining station.

2. Design and fabrication of plastic sand compound making machine (B.E. Project)

Description: Plastic sand compound making machine use for this plastic and sand into multipurpose application like as paver block, brick, and tiles etc. The main aim of this project to reduce a plastic waste.

3. Pneumatic crane driven by air engine (Diploma project)

Description: The air driven engine is an eco friendly engine which operates with compressed air. This air driven engine used for a pneumatic crane. This pneumatic crane is useful for lift a light load and expensive material.

PUBLICATIONS AND CONFERENCE PROCEEDING

Rahul Kundiya, Raju Pawade, S Yadav, N. Sarode, J. Acharya, "**ANALYSIS OF HOLE CHARACTERISTICS IN MECHANICAL MICRO DRILLING OF CFRP-Ti6Al4V STACK COMPOSITE" , book chapter in Springer Book - Lecture Notes in Mechanical Engineering, Select Proceedings of CPIE-2023, titled Advances in Materials and Agile Manufacturing. (SCOPUS)**

Jitendra Acharya, **Rahul Kundiya**, "**A REVIEW ON MECHANICAL MICRO DRILLING OF CFRP-TI6AL4V STACKED",** International Research Journal of Modernization in Engineering Technology and Science, Volume 05/Issue 06/June 2023. ISSN – 2582-5208, https://www.doi.org/10.56726/IRJMETS41334

Rahul Kundiya, Shubhangi Chougule, "**Optimization of Mechanical Drilling of Metal Matrix Composite using Grey Relational Analysis: A Comparative Study"**, IJRPR, Volume04/Issue06/2023, ISSN- 2582-8421, https://doi.org/10.55248/gengpi.4.623.44589

Shubhangi Chougule, **Rahul Kundiya**, "**Gearbox Condition Monitoring with ferrography and vibration analysis" ,** Journal of Mechanics and Mechanical Engineering, MAT Journals, ISSN-2581-3722, Volume09/Issue02/2023, pp-6-11.

Pranav Sawant, **Rahul Kundiya**, "**Optimization of Process Parameters in Wire EDM Process of Titanium Alloy",** International Research Journal of Modernization in Engineering Technology and Science, Volume 05/Issue 06/June 2023. ISSN – 2582-5208, https://www.doi.org/10.56726/IRJMETS41725

Sharad Khot, **Rahul Kundiya**, Shubhangi Chougule, "**DESIGN AND FABRICATION OF ELECTROMAGNETIC BRAKING SYSTEM**", IJPREMS, Volume03/Issue06/2023, ISSN-2583-1062.pp- 114-116.

Rahul kundiya, Shubham bhagwat, **Application of JAYA Algorithm in Opstimization of Mechanical Drillimg of Metal Matrix Compsosite,** International Research Journal of Modernization in Engineering Technology and Science, Volume 04/Issue 06/June 2022. ISSN – 2582-5208, pp-133-140.

RESEARCH AREAS AND INTERESTS

Micro machining, Machine design. Manufacturing engineering, Strength of materials

SKILLS AND HOBBIES

Languages: Marathi, English, Hindi, Gujarati

CAD Software: CATIA, Autodesk inventor

Operating Systems: Windows 7, XP, and 8

Other Tools: Latex, MS office, Wordpress, Excel, Word, Powerpoint

Personal stength: Creativity, Focused, Taking initiative, flexibility.

Sport activities: Football, cricket, badminton, chess.

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

Place: Chiplun **(Rahul Raju Kundiya)**