



MADHU. R

Assistant Professor

CONTACT

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Professional Experiences: 14

Teaching: 11.5 years

Industry: 2.5 years

Research: 2 years

Courses Taught:

- Elements of Mechanical Engineering
- Non – Traditional Machining
- Metal casting & Welding
- Metal Cutting & Forming
- Total Quality Management
- Rapid Prototyping
- Supply Chain Management
- Management & Economics
- MT Lab
- Machine Shop

ABOUT ME

I am a Mechanical Engineer from SJCE, Mysuru and have a Master's degree in Product Design and Manufacturing from BMSCE, Bengaluru. I have worked in the capacity of Project Engineer and Maintenance Officer for over 2.5 years at MTR Foods Pvt. Ltd. Bengaluru and an academic experience of over 11.5 years. I have handled various funded research projects and consultancy works in association with prestigious bodies like KSCST, Karnataka Police Academy, NIMI Chennai, Amrita Vishwavidyapeetham, etc.

RESEARCH INTERESTS:

- Product Design
- Industrial Engineering
- Agri – Engineering
- Manufacturing
- Automation Technologies

EDUCATION

- Ph.D - Specialization
Research Centre/University Name
Year of Graduation : _____
- M.E/M.Tech. - **Product Design & Manufacturing**
Institute/University Name - **VTU, Belagavi**
Year of Graduation : **2013**
- B.E., - Specialization – **Mechanical Engineering**
Institute/University Name - **VTU, Belagavi**
Year of Graduation : **2009**

PUBLICATIONS

- Published an article in *IJLTEMAS* Journal titled “Motorized Wheel Hoe” in Volume VIII, Issue VII of July 2019.
- Published an article in *IJRASET* Journal titled “Development of Multipurpose Bio-waste Shredder machine” in Volume 9, Issue 9 of September 2021.
- Published an article in *IJRSET* Journal titled “Drunken Driving Prevention System” in Volume 10, Issue 9 of September 2021.
- Published a paper in *IJAEM* Journal titled “Development of Solar Coffee Dryer using Forced Convection” in Volume 4, Issue 3 of March 2022.
- Published an article in *IJRSET* Journal titled “Sugar cane Juice Extractors – A review” in Volume 11, Issue 5 of May 2022.

FDP/STTP/ WORKSHOPS/CONFERENCES/SEMINARS ATTENDED:

FDPs –

- Participated in ATAL Academy online FDP on “Organizational Behaviour” from 23rd to 27th November 2021 organized by Mahatma Gandhi University, Hyderabad.
- Participated in ATAL Academy online FDP on “Modern Pedagogical Techniques for Effective Teaching & Learning” from 8th to 12th February 2021 organized by NRI Institute of Technology, Vijayawada.
- Participated in ATAL Academy online FDP on “Rural Entrepreneurship” from 23rd to 27th November 2020 organized by Mahatma Gandhi University, Hyderabad.
- Participated in the FDP on “Contemporary Developments in Manufacturing Processes, Sustainable Manufacturing and Industrial Technologies”, organized by Pragati Engineering College, East Godavari District from 9th to 13th June 2020.
- Participated in the FDP on “Moodle & E-content Creation” held from 27th July to 1st August 2020 organized by CIT, Ponnampet, Kodagu.
- Participated in the FDP on “NBA and NAAC Accreditation Process” organized by Ramaiah Institute Technology, Bengaluru from 4th to 8th June 2020.

- Participated in the FDP on “Promoting Quality Culture in Technical Institutions” held from 25th to 29th May 2020 organized by AISSMSCOE, Pune.
- Participated in the FDP on “SEAT for Rural India” held from 29th June to 6th July 2019 at Sri. Yogi Nareyana Mutt, Kaiwara, Karnataka organized by Ramaiah Institute Technology, Bengaluru.
- Participated in the FDP on “Lean Manufacturing Techniques” organized by the Dept. of Mechanical Engg. MIT Mysore from 25th February to 1st March 2019.
- Participated in the FDP on “OBE & NBA Accreditation” held on 30th March 2017 at The National Institute of Engineering, Mysuru.

STTPs -

- Participated in online Teachers Training Program on “An Overview of Teaching Techniques in Scientific Foundation of Health” from 20th to 24th December 2021 organized by VTU HDRC, Chikkaballapur.
- Attended the online training on software in COE in “Visualization Engineering” organized by VTU in association with ALTEM Technologies from 2nd August to 4th October 2021.
- Organizer of the online STTP on “Automation Technologies in FMCG Sector” held from 28th September to 3rd October 2020 organized by Dept. of Mechanical Engg. NIEIT, Mysuru.
- Participated in the training program on “Building Energy Technology & Recent trends in HVAC” organized by PCCOE, Pune from 1st to 6th June 2020.
- Participated in the online course on “Examination Reforms” conducted during 29th April to 2nd May 2020 organized by AICTE.
- Participated in the STTP on “Mastercam X9 & its applications in CNC” held from 25th to 27th July 2018 at NIEIT, Mysuru.
- Participated in the Training on “CNC Machining Technology – Turning Centre” held at Micromatic’s Bangalore Tech Centre from 19.07.2016 to 22.07.2016.

Workshops -

- Participated in the Workshop on “Design and Manufacturing of Composites – Hands on Experience” organized by Dept. of Mechanical Engg. NIEIT, Mysore on 14th September 2016.
- Participated in the Workshop on “Research Methodology” at NIEIT, Mysuru during 7th & 8th September 2018.
- Participated in the Training on “Instructional Design and Delivery System” conducted by NIEIT, Mysuru from 1st to 6th January 2018.
- Completed all the assigned tasks in “Task Based Training (TBT - 2018)” as a member of the team during April to July 2018 conducted as a part of Teacher Training through the e-yantra Lab Setup Initiative (eLSI) of IIT Bombay.
- Completed the 4 - week NPTEL Online Certification course “Product Design & Development” in Elite category during Jan - Feb 2019 conducted by IIT Roorkee.
- Participated in the Workshop on “Prior Art Search” held on 29th & 30th June 2018 at NIEIT, Mysuru.
- Participated in the e-yantra project of IIT Bombay’s Workshop on “Introduction to Robotics” conducted on 27th & 28th March 2018 at Rajeev Gandhi Memorial College of Engineering & Technology, Kurnool.
- Participated in the Workshop on “Information Literacy for Academic Research and Publication” held on 30th January 2018 at NIEIT, Mysuru.
- Participated in the Awareness Programme on “Intellectual Property Rights for MSMEs, Researchers and Academicians” held at NIEIT, Mysuru in 2016.

Conferences/ Seminars/ Symposiums -

- Contributed as Primary Evaluator in “Toycathon – 2021” organized by Ministry of Education’s Innovation Cell, Govt. of India.
- Organizer of the National Seminar on “Recent Trends in Sustainable and Clean Energy Technologies” conducted on 17th April 2017 at NIEIT, Mysuru.

- Organizer of the “NSS & RED CROSS activity” conducted on 8th October 2016 at NIEIT Campus Mysore.
- Volunteered in the “NSS Camp” organized at Basthipura Village from 18th to 24th March 2019 by NSS NIEIT, Mysuru.
- Participated in the Symposium on “Advances in Manufacturing Technology” organized by Dept. of Mechanical Engg. PESIT, Bangalore on 5th & 6th April 2013.

OTHER INFORMATION:

(Patents Filed/ Membership/Administration/Consultancy/Evaluator/Research Guidance and funding/Awards/Key Roles/Invited Talks Delivered, etc)

- Completed plant installations during my industrial days worth over 25 crores.
- Successfully completed two projects with KSCST grant.
- Successfully completed fabrications for in-house worth about 4 lakhs and for external agencies worth about 2 lakhs.
- NIMI project for creation of blended learning content for ITI – Fitter students in association with Amrita Vishwavidyapeetham, Mysuru – Already received grants worth about 2 lakhs.
- Patent application Filed for - Leaf collector with compaction for usage in leafy areas.
- Life Member and Fellow of “The Society of Innovative Educationalist & Scientific research Professional, Chennai”
- Hon. Editorial Board Member – Educational Consultant for “Journal of Automotive, Mechanical & Aerospace Engineering Research” by Innovative Scientific Research Professional Malaysia
- Life member and Fellow of “Indian Society of Mechanical Engineers”
- Life member of “International Association of Engineers”