

## FACULTY DETAILS

### Faculty Name:

**RAKSHA M S**

**Assistant Professor**

**Department of Mechanical Engineering**

### Education Details:

- M.Tech in Computer Integrated Manufacturing from Siddaganga Institute of Technology, Tumkur, Karnataka, India.
- B.E in Industrial Engineering and Management from Siddaganga Institute of Technology, Tumkur, Karnataka, India.
- PUC (PCMB) From Department of Pre-University Education Board.
- S.S.L.C from Karnataka Secondary Education Examination Board.

### Contact Details

**Email ID:** rakshams8@gmail.com

### Professional Experience

#### Teaching Experience:

- Working as Assistant professor in Mechanical Engineering department, Akshaya Institute of Technology from August 2016 to till date.
- Worked as Assistant Professor, Mechanical Engineering department in Dr. Sri Sri Sri Shivakumara Mahaswamy College of Engineering, Bangalore from August 2014 to August 2016.

### Publication Details:

#### SCOPUS INDEXED JOURNALS:

1. M. S. Raksha, Dr. Adaveesh Basavalingappa, Dr. Madeva Nagaral, **“Impact of micro graphite particles addition on the mechanical behavior of Al2011 alloy metal composites** “in Engineering reports by wiley 2023, Engineering Reports published by John Wiley & Sons, Ltd. ISBN: 2577-8196 , 9 July 2023 <https://doi.org/10.1002/eng2.12746>.

2. M. S. Raksha, Dr. Adaveesh Basavalingappa, Dr. Madeva Nagaral, **”Impact of Boron Carbide Particles and Weight Percentage on the Mechanical and Wear Characterization of Al2011 Alloy Metal Composites** “in ACS Omega, Volume 8, Issue26, July 4, 2023, Pages 23227-24127, Published by American Chemical Society.  
<https://doi.org/10.1021/acsomega.3c02065>open in new .

#### INTERNATIONAL CONFERENCES

M. S. Raksha, Dr. Adaveesh Basavalingappa, Dr. Madeva Nagaral, “M. S. Raksha, Dr. Adaveesh Basavalingappa, Dr. Madeva Nagaral,” in International Conference on recent developments in mechanical engineering” (ICRDME-2023) organized by Siddaganga Institute of Technology, Tumkur, Karnataka, India on 3<sup>rd</sup> - 4<sup>th</sup> March 2023 pp 118-120. 978-1-5386-1144-9.

### Roles and Responsibility

- UG IA Coordinator
- Student Counsellor
- Semester Coordinator
- Anti-Ragging Committee member
- Class Teacher

- Dept. level NBA Coordinator for Criteria 2 & 4

### **Certificates/training/workshops**

- Participated in a 2-Day Faculty Development Program on “Smart Manufacturing & Industry challenges & Opportunities” organized by the Department of Mechanical Engineering, Sanjay Gandhi Polytechnic, Ballari from during 9<sup>th</sup> –10<sup>th</sup> February 2024.
- Attended a Five day online faculty development program on “Advances in material technology for next generation manufacturing” organized by the Department of Mechanical Engineering, Ballari Institute of technology and Management, Ballari from 1<sup>st</sup> to 5<sup>th</sup> February 2024.
- Participated in a AICTE-VTU joint teachers training programme one week online teachers training program on “ Introduction to Pyton Programming & its applications” from 13<sup>th</sup> to 17<sup>th</sup> March 2023 organized by Visveshvaraya Technological University, Centre for PG studies, VIAT, Muddenahalli, Chikkaballapur.
- Attended a 3- day online faculty development program on “Advances in machining process” organized by the Department of Mechanical Engineering, PES Institute of Technology and Management, Shivamogga held on 17-19 June 2020.

### **Research Area of Interest**

Manufacturing Process, Materials, Computer integrated manufacturing, total quality Management, Operation Management, Composite materials, Nanocomposites, Robotics.