

FACULTY DETAILS

Faculty Name:

PRAVEEN D.N.

Asst. Professor, Department of Mechanical Engineering.

Education Details:

- M.Tech in Machine Design,(Ph.D)

Contact Details

Email ID: praveensuma06@gmail.com

Google scholar ID: <https://scholar.google.com/citations?user=ETCWpToAAAAJ&hl=en>

Professional Experience

Teaching Experience:

- Worked as Assistant Professor in Mechanical Department, A.I.T. Tumkur from 2013 to till date.

Publication Details

International publications

1.EXPERIMENTAL & FINITE ELEMENT ANALYSIS OF SISAL FIBRE REINFORCED COMPOSITES(IMPACT FACTOR-3.344 & IJRTER)

2. BENDING STRENGTH AND HARDNESS INVESTIGATION OF SISAL/COIR REINFORCED COMPOSITE MATERIALS WITH MATRIX (IMPACT FACTOR- 3.344 & IJRTER)

3. DAMAGE TOLERANCE ANALYSIS OF A FUSELAGE STIFFENED PANEL WITH A BROKEN FRAME (IMPACT FACTOR-3.544 & IJDER).

4. EVALUATION OF STRUCTURAL PARAMETERS OF TWO CYLINDER CRANKSHAFT USING FINITE ELEMENT METHOD(IMPACT FACTOR-3.546 & IJET)

5. FUSELAGE STIFFENED PANEL (MONOCOQUE DESIGN). DAMAGE TOLERANCE ANALYSIS. (IMPACT FACTOR-5.146 & IRJET)

6. STATIC STRUCTURAL LINEAR BUCKLING ANALYSIS OF AUTOMOTIVE CONNECTING ROD. (IMPACT FACTOR-3.346 & IJSRD)

7. IMPACT AND VIBRATION ANALYSIS OF AUDI CAR BUMPER WITH DIFFERENT COMPOSITE MATERIALS(IMPACT FACTOR-3.346 & IJSRD)

8. STATIC STRUCTURAL & MODAL ANALYSIS OF AIR CRAFT WING WITH DIFFERENT PROPORTIONS WITH ALLUMINIUM(IMPACT FACTOR-3.346 & IJSRD)

National Conference

1. EVALUATION OF FRACTURE TOUGHNESS OF AL 7075- FLY ASH COMPOSITES NCESM-2016

2. EXPERIMENTAL & FINITE ELEMENT ANALYSIS OF SISAL FIBRE REINFORCED COMPOSITES NCESM-2016

Roles and Responsibility

1. Assigning the project work to the students and helping them to clarify the doubts.
2. Co-ordinator for Akshaya Prayog organized by Dept. of Mechanical Engineering on 2019.
3. Arranging Project Exhibition for students as **Project Coordinator**.
4. Preparing Time table as **Academic coordinator**.
5. Conducted internals as **internal coordinator**.
6. Arranging the industrial visit to the students.
7. Preparing students to get Jobs in Tumakuru & Bangalore as **Department Placement coordinator**.
8. Guiding students to carry out Internship in companies as **Internship Coordinator**
9. Worked as Project **committee coordinator** for VTU Sponsored Student Projects in year 2021-2022.
10. Worked as **Cultural coordinator for the Cultural Events –MARSS-2K19, Festino Beats Etc.**

Workshops/ seminars attended:

1. Participated in national level Technical paper presentation on Emerging trends in Engineering Sciences & Management -2016.
2. Attended Two days Faculty Development Program on Optimization Techniques held on March 2016 @ SIR MVIT.
3. Attended Anveshana project Exhibition held on Feb 2018 at Shikshakara Bhavana Bangalore.
4. Attended basic Hydraulics & Pneumatics training with students Organized by VTU-Bosch Rexorth centre of competence in Automation technology, Mysore on 2018.

Achievements :

1. Guided students for Anveshana Project Exhibition held on 2018-2019 & got 2nd Prize.
2. Got 2nd Prize In Akshaya Prayog student guided project held on 2019.
3. Funded from **Karnataka State Council for Science and Technology (KSCST), Bangalore, 41st Series** SSP of Rs. 5000/- for UG project during the academic year 2018.

Areas of Interest:

1. Composite Materials
2. Vibration Analysis
3. Bio fuels
4. Fracture Analysis
5. Smart Materials
6. Green Technologies

Achievements :

1. Guided students for Anveshana Project Exhibition held on 2018-2019 & got 2nd Prize.
2. Got 2nd Prize In Akshaya Prayog student guided project held on 2019.
3. Funded from **Karnataka State Council for Science and Technology (KSCST), Bangalore, 41st Series** SSP of Rs. 6000/- for UG project during the academic year 2018.