

## Faculty Profile Format

### 1. Basic Information

- **Name:** Dr Sanjeev Reddy.K.Hudgikar
- **Designation:** Professor
- **Department:** Mechanical Engineering
- **Email:**drhudgikar@gmail.com

### 2. Academic Qualifications

- **Ph.D.:** JNT, University Ananthapur, (AP)-2011
- **Postgraduate (PG) – M.Tech:**VTU,Belagavi-2001
- **Undergraduate (UG) –B.E.:** Gulbarga University Gulbarga,-1994

### 3. Work Experience

**Total Academic Experience:**28 Years

- **Industry Experience:**01 Years

### 4. Research Interests:

- Enterprise Resource Planning ,Supply Chain Management
- CAD /CAM /CAPP , Computer Integrated Manufacturing
- Advances in Manufacturing
- Recent Trends in Foundry & Welding Technology , Advances in Material Science, Business Process Re-engineering, Renewable Energy Sources
- Composite Materials Technology.

### 5. Publications, Patents & Research Contributions

- **Citation Metrics:**
  - h-index: 02
  - i10-index: --
  - Total Citations: 08
- **Papers Published:**
  - **Conference Publications:**
    - National: 02
    - International:07
  - **Journal Publications:**
    - Scopus/Web of Science Indexed:15

- UGC Care Listed: 06
- Other: --
- **Books/Book Chapters Published:**Books 07 &Book Chapters: 05
- **Patents :Grant & Published: 04 & Patent Published :08**
- Patent No: 437168-001 “AI BASED MECHANICAL AORTIC HEART VALVE” Published & granted 21/01/2025.
- Patent No: 437169-001, “IOT BASED SMART ROBOT FOR AIR CONDITIONER DUCT CLEANING” Published & granted 23/12/2024.
- Patent No:424936-001, “IOT BASED ELECTRIC VEHICLE ENERGY CONSUMPTION PREDICTING DEVICE”, Published & granted 27/07/2024.
- Patent No:424937-001, “IOT BASED SOLAR POWER AGRICULTURE ROBOT”, Published & granted 27/07/2024
- **Grants Received:** *(Total Amount:Nil*  
[Project Title], [Funding Agency], [Amount], [Duration]: Nil
- **Ph.D. Guidance:**
  - Ongoing: [06]
  - Completed: [04]

#### 6. Teaching & Courses (*Mention subjects taught*):

- Manufacturing Engineering, Material Science , Metrology & Measurement
- Total Quality Management, Optimization Techniques
- Engineering Drawing , Foundry Technology ,Supply Chain Management
- Operations Management, Product Design , Renewable Energy Sources
- Operation Research , Industrial Engineering, Quality Assurance
- Design of Machine Elements ,Computer Integrated Manufacturing,

#### 7. Awards & Recognitions:

- **[Award Name], [Awarding Institution], [Year]:**
- ✓ *Awarded “ BEST PRINCIPAL AWARD 2020”,INSc (Institute of Scholars)in Recognition of Valuable Contrubtion to the Academic Community & the Students INSc Bangalore 2019-2020.*
- ✓ *Awarded “INNOVATIVE RESEARCH & DEDICATED BEST PRINCIPAL AWARD”Specilization:Mechanical Engineering by The Society of Innovative Educationalist & Scientific Research Professional Chennai,2020-2021.*
- **[Recognition/Grant], [Awarding Institution], [Year]:Nil**

#### 8. Professional Memberships & Collaborations:

Professional Body Member:

SL. NO.	PROFESSIONAL BODIES	MEMBERSHIP	MEMBERSHIP NO.
1	The Indian Society for Technical Education [ISTE]	Life Member	LM37994
2	Indian Society of Mechanical Engineers [ISME]	Fellow	FISME0518212
3	The Society of Innovative Educationalist & Scientific Research Professional [SFIESRP]	Senior Fellow	LM171899285
4	InSc Membership	Fellow	LM20200967
5	AICTE Identification Number:	Life Member	1-2193337240

**9. Additional Information (If applicable – Links to profiles, IDs, etc.)**

- **Google Scholar:** <https://scholar.google.com/citations?user=Y6YymoEAAAAJ&hl=en>
- **ORCID ID:** Nil
- **ResearchGate:** Nil
- **LinkedIn:** Nil