

**Faculty Profile**  
**Robotics & Automation Department**



**Dr. Arunkumar M. Bongale**

Professor, HOD R&A

Ph.D., M.Tech., B.E.

Email: [headra@sitpune.edu.in](mailto:headra@sitpune.edu.in) & [arun.bongale@sitpune.edu.in](mailto:arun.bongale@sitpune.edu.in)

**Research Interests & Expertise:**

**Broad areas:**

- Mobile Robots
- Automation
- Material Science

**Specific areas:**

- ROS
- Navigation and SLAM

**Research Profiles:**

[Google Scholar](#)

[Researcher ID](#)

[ORCID](#)

[Vidwan](#)

**Total work experience** : 18 years

**Paper Published** : 68

**Patent Published** : 1

**Consultancy Project** : 1

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## **Dr. Satish Kumar**

Associate Professor, R &A

Ph.D., M.Tech., B.E.

Email: [satish.kumar@sitpune.edu.in](mailto:satish.kumar@sitpune.edu.in)

### **Research Interests & Expertise:**

#### **Broad areas:**

- Applied Artificial Intelligence
- Robotics and Automation
- Smart Manufacturing

#### **Specific areas:**

- Digital Twin
- Predictive Maintenance
- Fault Diagnosis
- IOT
- Industry 4.0 Marching

### **Research Profiles:**

[Google Scholar](#)

[ORCID](#)

[Researcher ID](#)

[Vidwan](#)

**Total work experience** : 10 years

**Paper Published** : 72

**Patent Published** : 1

**Consultancy Project** : 2

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## **Dr. Priya S. Jadhav**

Assistant Professor, R&A

Ph.D., M.E., B.E.

Email: [priya.jadhav@sitpune.edu.in](mailto:priya.jadhav@sitpune.edu.in)

### **Research Interests & Expertise:**

#### **Broad areas:**

- Robotics and Automation
- Smart Manufacturing

#### **Specific areas:**

- Manufacturing
- Robotics Process Automation
- Materials

### **Research Profiles:**

[Google Scholar](#)

[ORCID](#)

[Publons](#)

[Vidwan](#)

**Total work experience** : 13 years

**Paper Published** : 22

**Patent Published** : 1

**Consultancy Project** : 0

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## **Dr. Sachit T. S.**

Assistant Professor, R&A

Ph.D., M. Tech., B.E.

Email: [sachit.thimmappa@sitpune.edu.in](mailto:sachit.thimmappa@sitpune.edu.in)

### **Research Interests & Expertise:**

#### **Broad areas:**

- Material Science and Material Characterization
- Composite Materials
- Finite Element Analysis
- Fracture Mechanics
- Machine Learning

#### **Specific areas:**

- Alloys and Compounds Material Process
- Digital Manufacturing IOT
- Industrial Robotics and Automation
- Robotics Process Automation
- Aerial Robotics and Drone Technology

### **Research Profiles:**

[Google Scholar](#)

[ORCID](#)

[Researcher ID](#)

[Vidwan](#)

**Total work experience** : 10 years

**Paper Published** : 23

**Patent Published** : 0

**Consultancy Project** : 0

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## **Prof. Aniket R. Nargundakar**

Assistant Professor, R&A

M.Tech., B.E.

Email: aniket.nargundkar@sitpune.edu.in

### **Research Interests & Expertise:**

#### **Broad areas:**

- Optimization Algorithms & Applications
- Robotics & Automation
- Manufacturing Technology
- Industrial Engg. & Operations Research

#### **Specific areas:**

- AI based Optimization Algorithms
- Multi & Many Objectives Optimization
- Goal Programming
- Swarm & Autonomous Technology

### **Research Profiles:**

[Google Scholar](#)

[ORCID](#)

[Researcher ID](#)

[Vidwan](#)

**Total work experience** : 9.5 Years

**Paper Published** : 23

**Patent Published** : Nil

**Consultancy Project** : 1

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## **Dr. Javed Sayyad**

Assistant Professor, R&A  
Ph.D., M.E., B.E., Diploma  
Email: [javed.sayyad@sitpune.edu.in](mailto:javed.sayyad@sitpune.edu.in)

### **Research Interests & Expertise:**

#### **Broad areas:**

- Embedded System
- Internet of Thing
- Renewable Energy

#### **Specific areas:**

- Sensor Integration and Data analysis
- Design and Development of Microcontroller based system
- Data Acquisition Processing Analysis and Visualization

### **Research Profiles:**

[Google Scholar](#)

[ORCID](#)

[Researcher ID](#)

[Vidwan](#)

**Total work experience** : 5 years

**Paper Published** : 17

**Patent Published** : 0

**Consultancy Project** : 0

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**Dr. Ramesh B. T.**

Assistant Professor, R&A

Ph.D., M.Tech., B.E.

Email: [ramesh.bt@sitpune.edu.in](mailto:ramesh.bt@sitpune.edu.in)

**Research Interests & Expertise:**

**Broad areas:**

- Mechanical Engineering
- Material Science
- Kinematics and Dynamics
- Robotics
- Energy and Biofuels

**Specific areas:**

- Metal Matrix Composites
- Natural Composites
- Forward and Inverse Kinematics
- Soft Robotics Gripper Design
- Extraction and Characterization of Biofuels

**Research Profiles:**

[Google Scholar](#)

[ORCID](#)

[Researcher Id](#)

[Vidwan](#)

**Total work experience** : 14 years

**Paper Published** : 25

**Patent Published** : 0

**Consultancy Project** : 0

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## **Dr. Hemanth Kumar C.**

Assistant Professor, R&A

Ph.D., M. Tech., B.E.

Email: [hemanth.c@sitpune.edu.in](mailto:hemanth.c@sitpune.edu.in)

### **Research Interests & Expertise:**

#### **Broad areas:**

- Machine Design
- Composite Materials Technology
- Artificial Intelligence

#### **Specific areas:**

- Fatigue Life Prediction
- Low Cycle and High Cycle Fatigue Behavior
- Mechanical Behavior of Polymer Composites
- Neural Networks

### **Research Profiles:**

[Google Scholar](#)

[ORCID](#)

[Researcher ID](#)

[Vidwan](#)

**Total work experience** : 10 years

**Paper Published** : 8

**Patent Published** : 1

**Consultancy Project** : 2

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