Faculty Profile
Department of AIML

Dr. Ketan Kotecha

Professor & Director SIT Pune,
Ph.D (IIT Bombay)
Dean, Faculty of Engineering
Head, Symbiosis Centre for Applied Artificial Intelligence
Email: director@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Computer Algorithms
- Machine Learning
- Deep Learning Higher Order Thinking Skills & Critical Thinking

Specific areas:

- Artificial Intelligence
- Deep Learning

Research Profiles:

- Google Scholar
- Researcher ID
- ORCID
- Vidwan

Total work experience : 31 Years

Paper Published : 552

Patent Published : 49

Consultancy Project : 04

No. of PhD. students: Awarded:23+, Ongoing:08

Dr. Sumit Kumar

Professor and Head AI&ML
PhD, M. Tech., B. Tech.

Email: headaiml@sitpune.edu.in , kumar.sumit@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

• Applied AI

Specific areas:

- Deep Learning
- IoT
- Computer Vision
- Image Processing

Research Profiles:

Google Scholar

ORCID

Researcher ID

Vidwan

Total work experience : 21Years
Paper Published : 82
Patent Published : 02
No. of PhD. students: **Awarded** :2 Ongoing:7

Dr. Anupkumar M Bongale

Professor, AIML
Ph.D., M. Tech., B.E.
Email: anupkumar.bongale@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

• Artificial Intelligence

Specific areas:

• Machine Learning in FinTech
• Time Series Analysis
• Exploratory Data Analysis

Research Profiles:

- Google Scholar
- Researcher ID
- ORCID
- Vidwan

Total work experience : 16.7Years
Paper Published : 84
Patent Published : 41
Consultancy Project : 02
No. of PhD. students: Awarded:3 Ongoing:2

Dr. Anjali More

Associate Professor, AIML
PhD, ME, BE
Email: **anjali.dalvi@sitpune.edu.in**

Research Interests & Expertise:

Broad areas:

• Artificial Intelligence Machine Learning and Deep Learning

- Predictive Maintenance

Specific areas:

- Data Science
- Deep Learning
- Data Analytics

Research Profiles:

- Google Scholar
- Researcher ID
- ORCID
- Vidwan

Total work experience : 24Years
Paper Published : 60
Patent Published : 04
Consultancy Project : 02
No. of PhD. students: 06 Ongoing

Dr. Sangeeta Pant

Associate Professor, AIML

Ph.D (Applied Mathematics)

Email: sangeeta.pant@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

• Nature-Inspired Optimization
• Multi-criteria decision making

Specific areas:

• Pairwise Comparisons

Total work experience **:** 15 Years

Paper Published **:** 71

Patent Published **:** 06

No. of PhD. students: 02 Ongoing

Dr. Pooja Vinayak Kamat

Associate Professor, AIML
Ph.D (AI & ML)., M.E., B.E.
Email: pooja.kamat@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Artificial Intelligence Machine Learning and Deep Learning
- Generative AI
- Agentic AI & MLOps

Specific areas:

- Computer Vision
- Predictive Maintenance
- AgriTech & Sustainability

Research Profiles:

- Google Scholar
- Researcher ID
- ORCID
- Vidwan

Total work experience : 15 Years
Paper Published : 52
Patents Published : 05
Consultancy Projects: i. External Funded Consultancy Project by ARDE-DRDO on Real-Time object detection, classification and tracking for aerial and navy imagery (Completed-2025)
ii. SIU minor research project funding on “AI based fault detection in bearings using vibration and sound sensor” (Completed-2023)
No. of PhD. students: 06 ongoing

Dr. Sagar Dhanraj Pande

Associate Professor, AIML
Ph.D (CSE). M.E(CSE), B.E. (CSE)
Email**:** sagar.pande@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Artificial Intelligence
- Network Security, Agriculture & Healthcare

Specific areas:

- Computer Vision
- Security

Research Profiles:

- Google Scholar
- SCOPUS:
- Researcher ID
- ORCID

Total work experience **:**10 Years

Paper Published **:** 118

Patent Granted **:** 10

Patent Published **:** 52

No. of PhD. students: : Awarded, : 02 Ongoing:6

Dr.Tanveer Ahmed

Associate Professor, AIML

Email: tanveer.ahmed@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Computer Algorithms
- Machine Learning

Specific areas:

- Artificial Intelligence
- Deep Learning and NLP

Research Profiles:

- Google Scholar
- Researcher ID
- ORCID
- Vidwan

Total work experience : 09 Years

Paper Published : 56

Patent Published : 01

Consultancy Project : 09

No. of PhD. students: : 01 Awarded, : 02 Ongoing:1

Dr. Shivali Amit Wagle

Associate Professor, AIML
Ph.D., M.E., B.E.
Email: shivali.wagle@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Deep learning
- Machine Learning
- Agriculture

Specific areas:

- Image Processing
- Computer Vision

Research Profiles:

- Google Scholar
- Researcher ID
- ORCID
- Vidwan

Total work experience : 18 Years

Paper Published : 55

Patent Published : 9

Consultancy Project : 1 completed

No. of PhD. students : 4 Ongoing

Dr. Shrikrishna Kolhar

Associate Professor, AIML
Ph.D. M.E, B.E.
Email: shrikrishna.kolhar@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Deep Learning
- Image Processing
- Signal Processing

Specific areas:

- Embedded Systems.

Research Profiles:

- Google Scholar
- Researcher ID
- ORCID
- Vidwan

Total work experience : 14 Years
Paper Published : 40
Patent Published : 04
No. of PhD. students : 04 Ongoing
Consultancy Project : 02 completed

Dr. Aniket K. Shahade

Associate Professor, AIML
Ph.D, MBA, M.E, B.E.
Email: **aniket.shahade@sitpune.edu.in**

Research Interests & Expertise:

Broad areas:

- Natural Language Processing
- Machine Learning

Specific areas:

- Social Media Analytics

Research Profiles:

- Google Scholar
- Researcher ID
- ORCID
- Vidwan

Total work experience : 13 Years

Paper Published : 72

Patent Published : 31

No. of PhD. students: 04 Ongoing:04

Dr. Archana Y. Chaudhari

Associate Professor, AIML
Ph.D. M.E, B.E.
Email: **archana.chaudhari@sitpune.edu.in**

Research Interests & Expertise:

Broad areas:

- Incremental Learning
- Quantum Computing
- Machine Learning
- Health Care
- Computer Vision

Specific areas:

- Smart Grid
- Time Series Data Analysis
- Deep Fake
- EV Vehicle
- Agentic AI

Research Profiles:

- Google Scholar
- Researcher ID
- ORCID
- Vidwan

Total work experience :13 Years
Paper Published : 34
Patent Published : 12 (Published)1 Indian patent granted,1 UK design patent registered
No. of PhD. students: 05 Ongoing:05

Dr. Sheetal Borhade

Senior Assistant Professor, AIML

Ph.D

Email: sheetal.borhade@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- AI
- NLP
- ML
- DL

Specific areas:

- Conversational Agents, Emotion Detection

Research Profiles:

- Google Scholar :
- Researcher ID
- ORCID
- Vidwan

Total work experience :18.5 Years
Paper Published : 42
Patent Granted : 07
No. of PhD. students: 04 Ongoing:04

Dr. Wasim Khan

Senior Assistant Professor, AIML
PhD, M.Tech, B.Tech.
Email: **wasim.khan@sitpune.edu.in**

Research Interests & Expertise:

Broad areas:

- Artificial Intelligence
- Machine Learning
- Deep Learning
- Data Mining

Specific areas:

• Anomaly Detection

Research Profiles:

- **Google Scholar:** Google Scholar
- **Researcher ID**: Researcher ID
- **ORCID**: Orcid
- **Vidwan:** Vidwan

Total work experience : 18 Years
Paper Published : 50
Patent Published : 02
No. of PhD. students : 02 Ongoing

Dr. Nivedita Mishra

Assistant Professor, AIML
Ph.D. M.E, B.E.
Email: **nivedita.mishra@sitpune.edu.in**

Research Interests & Expertise:

Broad areas:

- Machine Learning
- Deep Learning

Specific areas:

• Cyber Security
• Anomaly Detection
• Intrusion Detection Systems

Research Profiles:

- Google Scholar
- Researcher ID
- ORCID
- Vidwan

Totl ork experience : 4.5 Years
Paper Published : 08
Patent Published : 05
No. of PhD. students : 04 Ongoing

Dr. Priyanka Deshmukh

Assistant Professor, AIML
Ph.D. M.E, B.E.
Email: **priyanka.deshmukh@sitpune.edu.in**

Research Interests & Expertise:

Broad areas:

- Machine Learning
- Image Cryptography

Specific areas:

- Reversible Data Hiding

Research Profiles:

- Google Scholar
- Researcher ID
- ORCID
- Vidwan

Total work experience :12 Years
Paper Published : 46
Patents Published : 13
No. of PhD. students : 04 Ongoing

Dr. Dhanashree K. Barbole

Assistant Professor, AIML
Ph.D. M.E, B.E.
Email: **dhanashree.barbole@sitpune.edu.in**

Research Interests & Expertise:

Broad areas:

- Applied Artificial Intelligence
- Machine Learning, Agriculture & Technology

Specific areas:

- Core Electronics
- Computer Vision

Research Profiles:

- Google Scholar
- Researcher ID
- ORCID
- Vidwan

Total work experience : 12 Years

Paper Published : 08

Patent Published : 02

No. of PhD. students : 04 Ongoing

Dr. Geetanjali Sharma

Assistant Professor, AIML
Ph.D. M.Tech, B.Tech.
Email: **geetanjali.sharma@sitpune.edu.in**

Research Interests & Expertise:

Broad areas:

- Artificial Intelligence
- Machine Learning, Data Security

Specific areas:

- Cyber Security
- Anomaly Detection

Research Profiles:

- Google Scholar
- Researcher ID
- ORCID
- Vidwan

Total work experience : 16Years

Paper Published : 15

Copyright :01

Patent Published : 01

No. of PhD. students : 4 Ongoing

Dr. Zulfikar Ali Ansari

Assistant Professor, AIML
Ph.D. M.Tech, B.Tech.
Email: **zulfikar.ansari@sitpune.edu.in**

Research Interests & Expertise:

Broad areas:

- Artificial Intelligence
- Machine Learning, Explainable AI

Specific areas:

- Explainable AI

Research Profiles:

- Google Scholar
- Reseracher ID
- ORCID
- Vidwan

Total work experience : 14 Years

Paper Published : 35

Patent Published : 01
No. of PhD. students : 03 Ongoing

Dr. Ananya Bhattacharjee

Assistant Professor, AIML
Ph.D. M.Tech, B.Tech.
Email: **ananya.bhattacharjee@sitpune.edu.in**

Research Interests & Expertise:

Broad areas:

- Artificial Intelligence
- Machine Learning, Deep Learning
- Computer Vision, Medical Imaging
- IOT

Specific areas:

- Medical Imaging, Cancer Diagnosis, Light Weight AI Development

Research Profiles:

- Google Scholar
- Researcher ID
- ORCID
- Vidwan

Total work experience : 1.5Years
Paper Published : 21
Patent Published : 02
No. of PhD. students: 04 Ongoing

Dr. Sumanto Dutta

Assistant Professor, AIML
Ph.D (CSE)., M.Tech
(CSE)., MCA, B. Sc
(Computer Science).
Email: sumanto.dutta@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

- Artificial Intelligence and Machine Learning
- Deep Learning
- Data Mining
- Reinforcement Learning

Specific areas:

- Spatio-Temporal Data Analysis
- Multimodal Data Analysis and Unsupervised Learning
- Urban Transportation and Sustainability

Research Profiles:

- Google Scholar
- Researcher ID
- ORCID
- Vidwan

Total work experience : 7.5Years
Paper Published : 03
No. of PhD. students: 04Ongoing

Dr. Aditi Saxena

Assistant Professor, AIML
Ph.D. M. TECH, B.TECH.
Email: **aditi.saxena@sitpune.edu.in**

Research Interests & Expertise:

Broad areas:

- Machine Learning & Artificial Intelligence
- Internet of Things (IoT) & Embedded Systems
- Healthcare Technologies

Specific areas:

- Robotics & Intelligent Systems
- Control Systems & Automation

Research Profiles:

- Google Scholar
- Researcher ID -
- ORCID
- Vidwan

Total work experience :6 Years

Paper Published : 45

Patent Granted : 01

Patent Published : 03

Dr. Chilukala Mahender Reddy

Assistant Professor, AIML
Ph.D. M. TECH, B.TECH.
Email: **mahender.chilukala@sitpune.edu.in**

Research Interests & Expertise:

Broad areas:
- Machine Learning & Artificial Intelligence
- Internet of Things (IoT)
- Deep Learning

Specific areas:
- Machine Learning & Artificial Intelligence
- Computer Vision
- Deep Learning

Research Profiles:

- Google Scholar
- Researcher ID
- ORCID
- Vidwan

Total work experience : 11 Years

Paper Published : 20

Patent Published : 04

Dr. Madhvi Saxena

Assistant Professor, AIML
Ph.D. M. TECH, B.TECH.
Email: **madhvi.saxena@sitpune.edu.in**

Research Interests & Expertise:

Broad areas:

- Wireless Sensor Networks
- Machine Learning & Artificial Intelligence
- Internet of Things (IoT) & Embedded Systems

Specific areas:

- Healthcare Technologies
- BioInformatics

Research Profiles:

- Google Scholar
- Researcher ID
- ORCID
- Vidwan

Total work experience : 11.5 Years

Paper Published : 30

Patent Published : 03

No. of PhD. students : 03 Ongoing

Dr. Aishwarya Mishra

Assistant Professor, AIML
Ph.D. M. TECH, B.TECH.
Email: **aishwarya.mishra@sitpune.edu.in**

Research Interests & Expertise:

Broad areas:
- Nature Inspired Optimization Algorithms & Machine Learning
- Computational Intelligence

Specific areas:
- Smart Farming
- Healthcare analytics

Research Profiles:

- Google Scholar
- ORCID
- Vidwan

Total work experience : 3.5 Years

Paper Published : 20

Patent Published : 03

Prof. Mayur Mukund Gaikwad

Assistant Professor, AIML
M. Tech., B.E.
Email: mayur.gaikwad@sitpune.edu.in

Research Interests & Expertise:

Broad areas:

• Natural Language Processing
• Deep Learning
• Machine learning

Specific areas:

•Social Media Analytics
• Online Hate Speech and Extremism

Research Profiles:

- Google Scholar
- Researcher ID
- ORCID
- Vidwan

Total work experience : 1 Years

Paper Published : 9

Consultancy Project : 1

Prof. Shruti Sunnad

Teaching Associate, AIML
M.TECH.
Email: **shruti.sunnad@sitpune.edu.in**

Research Interests & Expertise:

Broad areas:

• AI & ML in healthcare

Specific areas:

• Data Science

Research Profiles:

- ORCID
- Vidwan

experience **:** 03 Years
Paper Published: 1

Prof. Amruta S. Kolhar

Teaching Associate, AIML
Ph.D. Pursuing, M.E, B.E.
Email: **amruta.kolhar@sitpune.edu.in**

Research Interests & Expertise:

Broad areas:

• Artificial Intelligence
• Machine Learning
• Deep Learning

Specific areas:

AI for Medical Diagnosis
Medical Image Processing

Research Profiles:

- Google Scholar
- ORCID
- Vidwan

Total work experience: 03 Years
Paper Published: 03