

**Name** **MR. MANDAR S. JOSHI**  
**B.E. (COMPUTER ENGG) M.E. (COMPUTER ENGG)**

**Designation** Assistant Professor

**Department** Information Technology

**Date of Joining the Institute** 01/07/2005

**Education** B.E.(Computer Engineering), NMU, 1999  
M.E.(Computer Engineering), MIT Pune, 2011

**Branch / Specialization** Computer Engineering

**Areas of Interest / Research Interest** Data Mining, Machine Learning, Artificial Intelligence(AI), Operating Systems, Programming Methodology and algorithms

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#### Academic Appointments

Name of the University / Institute/ Industry	Duration	Designation
Finolex Academy of Management and Technology, Ratnagiri	From 01/07/2005 to till date	Assistant Professor

**Total Experience – 18 Years**

#### Copyright Granted / Applied - 03

**“Plant disease detection using Machine Learning”,** Copyright diary No. **4794/2023-CO/SW**, Copyright Office, Government of India (Status: Approved and Registered with Registration No. **SW-16659/2023** on 21/06/2023)

**“Facial Emotion Recognition using image processing”,** Copyright diary No. **4710/2023-CO/SW**, Copyright Office, Government of India (Status: Approved and Registered with Registration No. **SW-16526/2023** on 09/06/2023)

**“Application for Amrapali Gramsahavas, Homestay for tourists”,** Copyright diary No. **7210/2023-CO/SW**, Copyright Office, Government of India (Status: Approved and Registered with Registration No. **SW-16506/2023** on 08/06/2023)

## Awards / Honors / Prizes

**Top 5% rank holder in NPTEL course on "Introduction to Operating Systems" in September 2017.**

**Microsoft MTA Certification in "Security Fundamentals" in September 2011**

**GATE qualified in Computer Science, GATE 2011**

## Students projects Guided at PG/Doctoral Level

### Projects Guided at UG Level

For UG write the details of Project for last three years

- 1. Image inpainting using deep learning**
- 2. fARniture**
- 3. Emotion recognition using Image Processing**
- 4. Plant disease detection using ML**
- 5. Amrapali Gramsahavas Mobile App**
- 6. Virtual Text Recognition using Computer vision Android App for the Food Detection**

## Papers Published

### Papers Published in National / International Journals - 10

#### International Journals – 10

- 1. Paper titled " Plant Disease Detection Using Deep Learning " published in IJCRT UGC Approved Journal, Volume 11 Issue 4, April 2023 (ISSN-2349-5162) (Atharva)**
- 2. Paper titled " Analysis of Emotion Recognition using CNN Techniques " published in Journal for Basic Sciences UGC Approved Journal, Volume 23 Issue 4, April 2023 (ISSN-1004-8341) (Marufa)**
- 3. Paper titled " Experimentation with Plant Disease Detection Using ML " published in JETIR UGC Approved Journal, Volume 9 Issue 11, November 2022 (ISSN-2349-5162) (Atharva)**
- 4. Paper titled "Role of Machine Learning in Tourism Sector" published in JETIR UGC Approved Journal, Volume 8 Issue 8, August 2021 (ISSN-2349-5162) (Nazeefa)**
- 5. Paper titled "Automated Personality Classification based on Data Mining Techniques" published in IEJRD, Volume 5 Issue 5, May 2020 (ISSN-2349-0721) (Saniya Fadnaik)**
- 6. Paper titled "Kotlin Framework for Number retrieval from voice calls - issues and recommendations" published in JETIR UGC Approved Journal, Volume 6 Issue 3, March 2019 (ISSN-2349-5162) (Rameeza)**
- 7. Paper titled "Smart system for Attendance, Safety and Management for School Transport " published in JETIR UGC Approved Journal, Volume 6 Issue 3, March 2019 (ISSN-2349-5162) (Pranav)**

8. Paper titled **"CONTENT BASED AUDIO EXTRACTION: A COMPARATIVE STUDY OF VARIOUS FEATURE EXTRACTION TECHNIQUES"** published in JETIR UGC Approved Journal, Volume 5 Issue 10, October 2018 (ISSN-2349-5162) (Rameeza)

9. Paper titled **"Analytical Survey of Passenger safety using GPS tracking and biometric authentication"** published in JETIR UGC Approved Journal, Volume 5 Issue 10, October 2018 (ISSN-2349-5162) (Pranav)

10. Paper titled **"Composition Editor for Indian Music"** published in IJRSE, Special Issue 7, March 2017, e-ISSN: 2394-8299, p-ISSN: 2394-8280

1.

## Papers Presented/Published in National/ International Conferences - 08

### International Conferences – 01

Paper presented titled **"Composition editor for Indian music"** for ICEMTE-2017 Mumbai in April 2017. ISBN: 978-93-5258-745-2

### National Conferences – 01

Paper presented titled **"Diversity Based Selection of Samples to Improve Classifier Ensemble Performance "** at 2<sup>nd</sup> National Conference on Recent Advances in Science and Technology (RAST) organized by Finolex Academy of Management and Technology, Ratnagiri on 17<sup>th</sup> and 18<sup>th</sup> February 2016.

## Number of Workshops, Seminars, STTPs, FDPs Attended – 58

### STTP / FDPs

Attended **ISTE approved one week online FDP** on **"AI Algorithms and Applications in Healthcare"** from 19th June 2023 to 23 June 2023

Attended **One Week Online Faculty Development Programme (FDP)** on **"Recent Tools for Integration of Smart Systems"** organized by IEEE TCET, from 6 June 2023 to 11 June 2023.

Attended **One week ISTE approved FDP** Programme on **"Advancements in Cryptography, Block-chain and Cryptocurrency"** from 05 Dec 2022 to 16 Dec 2022

Attended **Two week STTP** on **"The Teacher Education Program on the 21<sup>st</sup> century Learning Design"** in association with Microsoft Education Center organized under MoU **Microsoft Virtual Academy** from 3 May 2021 to 15 May 2021.

Attended **one week ISTE STTP** on **"Open Source Solutions in Teaching Learning Process"**

at Finolex Academy of Management & Technology, Ratnagiri from 24th June 2019 to 8th June 2019

Attended a **One Week ISTE STTP** on **"Designing IOT Based Applications for Smart Cities"** organized by Department of Information Technology at FAMT, Ratnagiri from 29 Jan 2018 to 02 Feb 2018

Attended a **Four Week AICTE approved FDP** on **"Pedagogy for online and Blended Teaching-Learning Process"** by IIT , Bombay from 3 AUG 2017 to 12 OCT 2017.

Completed **NPTEL course** in **"Introduction to Operating Systems"**, September 2017

Attended **Two week workshop** on **"Computer Programming"**, conducted by IIT, Bombay in June 2014

Attended Two 2 week FEP, Infosys, Pune, June 2008

### Professional Membership

1. Indian Society of Technical Education (I.S.T.E)

### Other Experience

#### College Level Administrative Responsibilities

e.g. Working as a **Web Administrator** of **Website Administration committee** (WAC) of Finolex Academy of Management and Technology, Ratnagiri.

Working as a **Member** of **Career Counselling Committee** of FAMT.

Working as a **Member** of **Attendance monitoring Committee** of FAMT.

Working as a **Member** of **Library advisory Committee** of FAMT.

Working as a **NBA Coordinator** of IT department.

Working as a **Member** of **Attendance monitoring Committee** of FAMT.

Worked as departmental organizing **committee member** in 2nd National Conference on **"Recent Advances in Science and Technology" 2016**

### Subject Taught

Sr. No.	Name of the Subject	Year/Branch/Semester	Experience
1.	Computer Programming – I,	FE ALL Semester I	07 Years
2.	Computer Programming – II,	FE ALL Semester II	07 Years
3.	Structured Programming Approach	FE ALL Semester II (CBSGS)	03 Years
4.	Object Oriented Programming Methodology	IT Semester III (CBSGS)	03 Years
5.	Automata Theory	IT Semester V R 2002	03 Years
6.	Computer Organization and Architecture,	IT Semester IV (CBSGS)	02 Years
7.	Operating Systems	IT semester V R 12 IT Semester IV R 16 IT Semester IV R 19	10 Years
8.	Data Mining and Business Intelligence	IT Semester VI R 16 IT Semester VI R 19	08 Years
9.	PROGRAMMING FUNDAMENTALS	IT Semester III R 19	04 years