

## FACULTY PROFILE

<p>Name : Padmavati K</p> <p>Designation : Assistant Professor</p> <p>Department : Computer Science and Engineering</p> <p>Contact Details</p> <p>E-mail : <a href="mailto:padmavatik@nie.ac.in">padmavatik@nie.ac.in</a></p> <p>Phone 9741673737</p>	
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Mrs. Padmavati Khasage is working as an Assistant Professor in the Department of Computer Science and Engineering at NIE. She has completed her B.E. from Dr. B.A. Marathwada University, Aurangabad and her M.Tech from VTU, Belgaum. She has more than a decade of teaching and technical experience in engineering education and industry-related training.

Her teaching areas include Digital Design and Computer Organisation, Microcontrollers, Artificial Intelligence, Internet of Things, Research Methodology, Python Programming, and Full Stack Development. She has experience in mentoring projects related to AI, Machine Learning, Web Development, and Mobile App Development using React Native. She has also been actively involved in robotics curriculum development and student project mentoring.

Her research and academic interests include Artificial Intelligence, Machine Learning, Robotics, and IoT technologies. She is passionate about project-based learning and innovative teaching methods that enhance student's practical skills and creativity. She has actively contributed to academic research with publications in reputed Scopus-indexed journals and international conferences.

**Qualification:**

- **Ph.D.** (Pursuing)
- **M.Tech**, VTU, Belgaum – 2009
- **B.E.** Dr.BAMU, Aurangabad – 2000

**Courses Taught for UG:**

- Digital Design and Computer Organisation
- Microcontrollers
- Python Programming
- C Programming
- Web Technology
- Internet of Things
- Machine Learning
- Artificial Intelligence
- Full Stack Development
- IDT
- Logic Design
- Data Visualization using Python
- Sources and Detectors
- Transmission and Switching
- Analog, Digital and Satellite Communication

## **Journal Publications:**

1. **Padmavati K, Amruth Kumar D K, Ganavi S M, Keerthi K C, Sourabha Y N,** “SoulSound: Enhancing Musical Therapy through Facial Expression Recognition with Machine Learning”, **International Research Journal of Engineering and Technology.**

2. **Padmavati K, Shashank A,** “EMPOWERED: A MOBILE APP FOR INFORMED CAREER EXPLORATION IN INDIA”, **INTERNATIONAL JOURNAL OF INNOVATION IN ENGINEERING RESEARCH & MANAGEMENT.**

## **Conference Publication**

1. Padmavati K, Dr. B. R. Vatsala "FixNGo: a Platform for on-Demand Local Home Services", 2025 IEEE International Conference for Women in Innovation, Technology & Entrepreneurship (ICWITE)  
**DOI:** 10.1109/ICWITE64848.2025.11307148

## **Professional Memberships**

- IFERP member-Life member