

## Dr. NITIN B. SAMBRE



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R. K. Nagar, Kolhapur



## PROFESSIONAL SUMMARY

Accomplished academic leader with 33 years of experience in Electronics and Telecommunication Engineering education and 4 years of industry experience. PhD in Electronics Engineering with specialization in biomedical image processing. Expert in industrial automation, biomedical signal processing, and AI applications for healthcare. Proven track record in institutional leadership roles including Department Head, Academic Council Member, and Board of Studies Chairman. Committed to advancing technical education through research, industry collaboration, and student development.

## EDUCATION

- **PhD, Electronics Engineering** (2020)  
Shivaji University, Kolhapur  
*Research Focus: Biomedical Image Processing*
- **M.E., Electronics Engineering** (2002)  
Shivaji University, Kolhapur  
*First Class*
- **B.E., Electronics Engineering** (1988)  
Shivaji University, Kolhapur  
*First Class*

## ACADEMIC EXPERIENCE

**Adjunct Professor** | School of Engineering and Technology, Shivaji University, Kolhapur  
August 2025 – July 2026

**Associate Professor** | KIT's College of Engineering (Autonomous), Kolhapur  
October 2010 - January 2025

**Assistant Professor** | KIT's College of Engineering, Kolhapur  
June 2004 - September 2010

**Lecturer** | KIT's College of Engineering, Kolhapur  
February 1992 - June 2004

### PG Visiting Faculty

- Department of Technology, Shivaji University (2004-2006)
- Bharti Vidyapeeth's College of Engineering, Kolhapur (2011-2012)
- Sanjeevan College of Engineering, Panhala (2012-2013)

## **INDUSTRY EXPERIENCE**

**R&D Engineer** | KAHAN Electronics, Mumbai  
*August 1988 - January 1992*

- Designed various START & STOP Motions to automate different sections in textile industry

## **RESEARCH PROFILE**

### **Areas of Expertise:**

- Biomedical Image Processing
- Electrocardiogram Analysis for Myocardial Infarcts
- AI for Identification of Spine Abnormalities
- Industrial Automation Systems

### **Publications:**

- International Journals: 34
- International Conferences: 8
- National Conferences: 6

### **Research Supervision:**

- Supervised 22 M.E. students
- Handled research projects funded by AICTE and Shivaji University

## **ADMINISTRATIVE LEADERSHIP**

### **Institute Level:**

- Head, Department of Electronics & Telecommunication Engineering
- Member, Academic Council
- Chairman, Board of Studies (E&TC)
- Project Coordinator
- Elected Member, Local Managing Council (2002-2006)
- Sports In-charge (1992-2002)
- Organizer/Coordinator of GISFI meetings and International conferences

### **University Level:**

- PhD Supervisor and PG Teacher
- Member, Local Inquiry Committee
- Member, Admission Process Approval Committee
- Expert, Staff Selection Committee
- Member, Board of Studies
- Paper Setter, Examiner, and Moderator for University Examinations

## **COLLABORATIVE INITIATIVES**

- Developed collaborations with industry partners
- Established international university partnerships for projects and student internships
- Coordinated Faculty Development Programs and workshops
- Organized international conferences and meetings

## **PROFESSIONAL MEMBERSHIPS**

- Life Member, Indian Society for Technical Education (ISTE), LM 14905
- Fellow, Institution of Electronics and Telecommunication Engineers (IETE), F-501274