

Dr. Pravinkumar Sudhakar Patil



S/O: Shri. Sudhakar B. Patil,
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OBJECTIVE Intend to build a career with leading institutions of hi-tech environment with committed and dedicated people, which will help me to explore myself fully and realize my potential. Willing to work as a key player in challenging and creative environment.

EDUCACIÓN **PhD**, in Electronics and Communication Engineering from VTU Belagavi.
M.E. (Electronics and Telecommunication), Shivaji University, Kolhapur
B.E.(Electronics), Shivaji University, Kolhapur

EXPERIENCE **DIET Satara (Affiliated to BATU, Lonere)**
Associate Professor:Department of Electronics and Telecommunication
June 2020 to November 2021

SCOEM Satara (Affiliated to Shivaji University, Kolhapur)
Assistant Professor:Department of Electronics and Telecommunication
May 2010 - May 2020

SSPMCOE Kankavali, Sindhudurg (Affiliated to University Of Mumbai)
Assistant Professor:Department of Electronics and Telecommunication
Jan 2003 - March 2009

ICRE Gargoti (Affiliated to MSBTE)
Lecturer:Department of Electronics and Telecommunication
Aug 1997 - Dec.2002

HIGHLIGHTS

1. Completed a course in JAVA from karROX Technologies Ltd.
2. Successfully completed a course in Computer programming.
3. Research Area of interest:
 - Wireless communication
 - Signal processing for communication systems.
 - Image processing
 - VLSI

SUBJECTS TAUGHT Wireless communication, Microelectronics and VLSI, Digital communication, Random process, Signals and Systems, Analog Electronics, Electronic Devices and circuits Image Processing, Linear Integrated Circuits, Matlab programming.

PROJECT EXPERIENCE

- Multimode MIMO OFDM Broadband System with Adaptive transmission Mode (ATM) Controller - Title of PhD Dissertation
- ENERGY METER (Microprocessor 8085 based) - B.E. Project
- MEZW IMAGE CODER (Wavelet based) - - M.E. Project
- IMAGE DENOISING (Wavelet based) - MatLab implementation

SOFTWARE

MatLab programming, Modeling with Simulink, Programming with C++, Scilab, Python Programming, Basic Java Programming, Xilinx IDE, Simulation with Proteus software, Microsoft Office, Latex

SEMINARS CONDUCTED

- Documentation with Latex
- Modified EZW Image Coding Algorithm
- EZW Image Coding
- Image De-noising
- Wavelet basics
- Image processing with Matlab
- Inter networking of PC

PUBLICATION DETAILS

- National conferences: 02
- International Conferences: 01
- International journals: 07

RECENT PUBLICATIONS

- P. Patil, M. Patil, S. Itraj, and U. Bomble, "IEEE 802.11n: Joint modulation-coding and guard interval adaptation scheme for throughput enhancement," in Int J Commun Syst. (wiley) e4347, 2020.<https://doi.org/10.1002/dac.4347>
- P Patil, M Patil, "Adaptive thresholding based optimal rate and MIMO mode selection scheme for IEEE 802.11 n WLAN" in ADBU Journal of Engineering Technology, vol.9, issue 1, 2020.

EXTRA CURRICULUM ACTIVITY

- Worked and participated with students in state level technical Festival "Dipex and Shodh" held at Thane and Kolhapur.
- organized and participate in many social activities as Blood donation camp, worked in villages as NSS volunteer, tree plantation, clean India movement etc.
- Involved in Sports and Cultural activities as coordinator.

ACHIEVEMENT

Middle School scholarship 21st rank

RESPONSIBILITIES HANDLING

- Worked as Head of Electronics and Telecommunication Department at SCOEM Satara for about 7 years.
- Actively involved in VLSI, DIGITAL Lab Setup.
- I was Member of Technical Committee of State Level Technical Paper Presentation "EVOLUTION.-2007"
- Committee member of Admission Council at SCOEM Satara.
- Worked as a Class-Coordinator, FC coordinator, Examination coordinator, Lab In charge for many years.

**PERSONAL
INFORMATION**

- Full Name : Pravinkumar Sudhakar Patil
 - Date of Birth : 19th June 1975
 - Sex : Male
 - Nationality : Indian
 - Marital Status : Married, having two children
 - Life Membership : ISTE
 - Language proficiency
 - Strengths : Hard working, Quick Lerner.
 - Interests : Listening music, watching
TV, Reading technical articles, Playing Cricket with my son, participate in social
activities
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Place SITCOE, Yadrav

Date 29/11/2021

Dr. Pravinkumar S. Patil