

SNJB's S.H.H.J.B. Polytechnic, Chandwad.

Department: Electronics and Tele-communication

Faculty Profile



Mr. Patil Samadhan Tukaram

Qualification :	ME(E&TC)
Designation :	Lecturer
Date of Joining :	05/07/2021
Experience :	15 Years
Teaching/research Areas :	1) Network Theory. 2) Electromagnetics, 3) Communication. 4) Microwave.
Courses / Subjects Involved With :	1) Network Theory. 2) Electromagnetics. 3) Communication. 4) Microwave. 5) Information Theory and coding technics. 6) Digital Communication System 7) Principles of Electronics and Communications 8) Electric circuits and Networks 9) Electronics Materials and Components
Staff training/FDP attended in last 3 years	1) One Week Online Faculty Development Program on “Antenna and Wave Propagation”. 2) One Week Online Faculty Development Program on “Electromagnetic theory”. 2) “Recent Trends in Industrial Automation & Robotics” 3) New education policy 2020 4) 2 days Faculty Development Program (FDP) on “Embedded System Design”

	5) 5-day Online FDP on the theme “Inculcating Universal Human Values in Technical Education” 6) one week Faculty development Program on “Future advancement in the field of Telecommunication and Embedded system” 7) 2 days Faculty Development Program (FDP) on “VLSI Design Flow and Application of Linux” 8) three days online FDP on “Emerging trends in Electrical Technology” 9) 2 days Faculty Development Program (FDP) on “Alignment of NBA with NEP 2020 and its implementation ” 10) Three Days Online FDP on “Recent Technologies in Electrical Engineering” 11) “Recent Trends in Industrial Automation & Robotics” held during 25 Sept. 2023 to 27 Sept. 2023, 12) “Electric Vehicle Technology “during 18 Aug. 2025 to 23 Aug. 2025, 13)
Paper presentation /conferences attended	1)Attend Conference on Neural network and fuzzy logic system
Paper published in journals	1) Paper published in international journal IJECCE On “A skin tone detection algorithm for an Adaptive DWT based approach to steganography using biometric.” 2) Paper published in international journal IJIRAE On “Resourceful and protected biometric image steganography using DWT.” 3)IJERT (International Journal of Engg. and Research Technology) on “Design A Data Transmission System Using Li-Fi Technology “Volume 13 Issue 02 March 2025
Books published with ISSN/ISBN number :	NIL
Participation in MSBTE activities (RAC/DC/Theory/PR Exam/Curriculum development)	1) Practical internal and External Examiner. 2) Supervisor RAC Work 3) Additional officer Moderation In charge 4) MSBTE Theory Supervision 5) MSBTE Theory Exam Internal Squad Member 6) MSBTE Controller Duty

List of Projects guided at diploma level last 3 years	1) Location information in Audio Video using GPS. 2) Book reader for visually impaired using raspberry pi. 3) Automatic sketching Machine. 4) Design Automatic Temperature cooler using Microcontroller 5) Driver Sleep detection and Alarming System 6) Air Purifier with Air quality Monitoring
Role and responsibilities at institute level	1) RAC Member 2) Discipline Committee Member 3) EDP Cell Member 4) Ant ragging Committee Member 5) Gathering Committee Member 6) Training & Placement Coordinator 7) Admission Campaigning Region
Role and responsibilities at department level	1) Industrial visit coordinator 2) Expert Lecture coordinator 3) FY EJ Admission coordinator 4) Dead stock In charge 5) Departmental T&P coordinator 6) NBA Work(criterion -2 coordinator) 7) Lab In-charge 8) Capstone Project guided 9) Department Sports Coordinator
Major achievements in last 5 years	NIL
Professional membership if any	Quality Circle Forum of India
Additional information	Design A curriculum of curriculum of Junior Hydraulic Mechanics for YCMOU