

SNJB's Shri Hiralal Hastimal (Jain Brothers, Jalgaon) Polytechnic, Chandwad

(All AICTE affiliated Programs NBA Accredited)

Department: Electronics and Telecommunication Engineering

Faculty Profile



Mr. Nalawade Manish Arvind

Qualification :	B.E (E&TC), M. Tech (VLSI & ES)(Pursuing)
Designation :	Lecturer
Date of Joining :	01-July-2020
Experience :	Teaching: 12 Yrs.
Teaching/research Areas :	Digital System, Network Theory, Communication Systems.
Courses / Subjects Involved With :	EJ6K- Optical Network and Satellite Communication (ONS-316332) EJ5K- Mobile and Wirelesss Communication (MWC-315339) EJ3K- Digital Techniques (DTE-313303) EJ4K- Electronic Equipment Maintenance & Simulation (MEE-314009) EJ3I- Digital Techniques (DTE-22320) EJ4I- Linear Integrated Circuits (LIC-22423) EJ5I- Mobile and Wirelesss Communication (MWC-22533) EJ5I- Capstone Project Planning (CPP-22058) EJ6I- Mechatronics (MEC-22643) EJ6I- Capstone Project Execution (CPE-22060) EJ3G- Electronics Devices and Circuits (EDC-17319) EJ4G- Analog Communication (ACO-17440) EJ4G- Linear Integrated Circuits(LIC-17445) EJ5G- Microcontroller (MIC-17534) EJ5G- Digital Communication (DCO-17535) EJ6G- Mobile Communication (MCO-17657)
Staff training/FDP attended in last 3 years	- FDP on “ Digital VLSI Testing ” Organized by NPTEL-AICTE from Jan-Apr 2026 (12 Weeks). - FDP on “ Technical Communication for Engineers ” Organized by NPTEL-AICTE from Jul-Aug 2025 (4 Weeks). - FDP on “ Accreditation and Outcome Based Learning ”

	Organized by NPTEL-AICTE from Aug-Oct 2025 (8 Weeks). -AICTE Training And Learning (ATAL) Academy Faculty Development Program on AI, IoT and Cyber-Physical Systems: Driving the Future of Industry 4.0 from 08/09/2025 to 13/09/2025. - 3-day Face-to-Face FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) at SNJB's Shri Hiralal Hastimal (Jain Brothers) Polytechnic, Nashik from 3rd July to 5th July 2025. - FDP on “Teaching And Learning in Engineering (TALE)” Organized by NPTEL-AICTE from Jan-Feb 2025 (4 Weeks). - FDP on “Fundamentals of Wireless Communication” Organized by NPTEL-AICTE from July-September 2024 (8 Weeks). - FDP on “AI Innovation and MATLAB Solutions” Organized by P C CoE & Research, Ravet from 23rd – 28 th September 2024 under ISF PCCOER. - Participated in the AICTE Recognized Faculty Development Programme on “IoT and Embedded Systems” Conducted by Electronics and Communication Engineering Department from 15/01/2024 to 19/01/2024 (One Week) at NITTTR, Chandigarh -Successfully completed three days FDP on “Recent Trends in Industrial Automation & Robotics” held during 25 Sept. 2023 to 27 Sept. 2023, organized by E&TC Dept. & Mechatronics Dept. of Amrutvahini Polytechnic, Sangmner. - One Week Online National Level Faculty Development Program on “Innovation, Research And IPR - Journey Towards Excellence” held from 1st March 2023 – 5th March 2023 organized by BVB's Sardar Patel College of Engineering, Mumbai & HSM's Shri. Sant Gadge Baba College of Engineering & Technology, Bhusawal - FDP on “Mechatronics” Organized by NPTEL-AICTE from Jan-Mar 2022 (4 Weeks). -One Week FDP on “Future Advancement in the field of Telecommunication and Embedded System” Jointly Organized by Raj Kumar Goel Institute of Technology from Aug, 24th, 2021 to Aug 30th, 2021. -FDP on “National Education Policy-2020, in Context of Technology and Higher Education” Jointly Organized by Dr.Babasaheb Ambedkar Technological University Lonere,Raigad and Bajaj Institute of Technology, Wardha on 27th
--	---

	March 2021. - FDP on “Roll Of Teachers To Boost Moral values, Ethics in Engineering Education System” Organized by MVPSS KBT College of Engineering Nashik from 17th to 23rd December 2020.
Paper presentation /conferences attended	-Paper Present on “Evolution in Wireless Technology” at A National Level Technical Event at Jawaharlal Nehru Engineering Collage, Aurangabad
Paper published in journals	-Research Paper Published in “International Journal of Innovative Research in Technology (IJIRT) (ISSN:2349-6002)” Volume 12 / Issue 7 (December-2025). Titled- “Solar-Powered Smart Agricultural Rover for Precision Farming”. -Research Paper Published in “International Journal for Research Trends and Innovation (IJRTI) (ISSN: 2456-3315)” Volume 10 Issue 12 December-2025. Titled- “Green Riverbot: A Microcontroller-Based System for Waste Collection and Water Quality Monitoring”. -Paper published in “International Research Journal of Engineering and Technology (IRJET)” Volume: 12 Issue: 01 Jan 2025. Title “Spider Agri-Bot: Integrated Grass Cutter and Pesticide Sprayer”.
Books published with ISSN/ISBN number :	NIL
Participation in MSBTE activities (RAC/DC/Theory/PR Exam/Curriculum development)	-MSBTE Theory Exam Officer-in-charge -MSBTE Exam Controller -MSBTE Examiner -OR/PR External Internal Examiner -Internal squad member -External Vigilance squad member (RAC, DEC & Theory Exam) -Online Exam In charge -RAC (Moderator, Assessor)
List of Projects guided at diploma level last 3 years	- Solar-Powered Smart Agricultural Rover for Precision Farming - Green Riverbot: A Microcontroller-Based System for Waste Collection and Water Quality Monitoring - Spider Agri-Bot: Integrated Grass Cutter and Pesticide Sprayer -Automation System for Educational Institute -Alcohol detection system for accidental prevention -Touchless Sanitizer and Oximeter -Saline Level Indicator with Emergency System -Minimizing Penalty In Industrial Power Consumption By Engaging APFC Unit -Sound Operated Cradle -Automatic Irrigation System Based on Soil Moisture Control

Role and responsibilities at institute level	-Member of admission campaigning team (Yeola region) -NBA Institute File I 8.3 (Feedback On Facilities) -AICTE PARAKH Portal Nodal officer -Gathering Committee Coordinator -Alumni meet member -Research Committee Member
Role and responsibilities at department level	-Academic Coordinator -Lab In Charge (Computer Center and Hardware Lab) -Event Coordinator -News Letter Coordinator -Result Analysis Coordinator -NBA Co Coordinator -NBA Criterion 4 Coordinator -Class Coordinator(TYEJ) -IETE Student Chapter Coordinator -IEI Student Chapter Coordinator -Mentor (TYEJ) -MSBTE Exam Department Assistant Coordinator -Student Induction Program Coordinator
Major achievements in last 5 years	- 100% Result of the course “Optical Network and Satellite Communication (ONS) (EJ6K)” - Summer 2026 Examination Conducted by MSBTE. - Completed NPTEL Course on “Digital VLSI Testing” from Jan-Apr 2026 (12 Weeks). - 100% Result of the course “Mobile & Wireless Communication (MWC) (EJ5K)” - Winter 2025 Examination Conducted by MSBTE. - 92.75% Result of the course “Digital Techniques (DTE) (EJ3K)” - Winter 2025 Examination Conducted by MSBTE. - Completed NPTEL Course on “Technical Communication for Engineers” from Jul-Aug 2025 (4 Weeks). - Completed NPTEL Course on “Accreditation and Outcome Based Learning” from Aug-Oct 2025 (8 Weeks). - AICTE Training And Learning (ATAL) Academy Faculty Development Program on AI, IoT and Cyber-Physical Systems: Driving the Future of Industry 4.0 from 08/09/2025 to 13/09/2025. -3-day Face-to-Face FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) from 3rd July to 5th July 2025.

	-Design Patent of “Spider Agri-Bot: Integrated Grass Cutter and Pesticide Sprayer” has been Granted on 26/03/2025 -100% Result of the course MEC(EJ6I) in Summer 2025 Examination - Completed NPTEL Course on “Teaching And Learning in Engineering (TALE)” from Jan-Feb 2025 (04 Week) -100% Result of the course MWC(EJ5I) in Winter 2024 Examination - Completed NPTEL Course on “Fundamentals of Wireless Communication” from Jul-Sep 2024 (08 Week) -Design Patent of “Multipurpose Solar Battery” has been Granted on 25/06/2024 -100% Result of the course MEC(EJ6I) in Summer 2024 Examination -Completed NPTEL Course on “Digital System Design” from Jan-Apr 2024 (12 Week) -Design Patent of “Robotic ARM for Honeybee Hive Retrieving” has been Granted on 16/04/2024 -100% Result of the course MWC(EJ5I) in Winter 2023 Examination -Participated in the AICTE Recognized Faculty Development Programme on “IoTs and Embedded Systems” Conducted by Electronics and Communication Engineering Department from 15/01/2024 to 19/01/2024 (One Week) at NITTTR, Chandigarh -Completed NPTEL Course on “Mechatronics” from Jan-Mar 2022 (08 Week)
Professional membership if any	-Associate Member (IEI) -Member (IETE) -Quality Circle Forum of India