

# Mr. Nishant P. Matale

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<https://scholar.google.com/citations?hl=en&user=LzfV96MAAAAJ>



## Experience

- **Assistant Professor** (Robotics & Automation Engineering Department) (16/06/2025 – 11/08/2025)  
**Assistant Professor at K.K. Wagh Institute of Engineering Education & Research, Nashik.**
- **Lecturer** (Electrical Engineering Department) (Experience - 01 Year 06 Months)  
**Lecturer at NBA Accredited Sandip Foundation's Sandip Polytechnic, Mahiravani, Nashik.**
- **Internship** (Experience - 03 Months)  
**CG Power and Industrial Solutions Ltd. Ambad MIDC, Nashik (S2 Division Design Department).**

## Education

### Savitribai Phule Pune University (K.K. Wagh IEER, Nashik)

- **Master of Engineering, Electrical Power Systems** (2019 – 2021)  
CGPA: 8.780 First class with distinction  
**Project:** A Seven-Level Cascaded H-Bridge Multilevel Inverter Using Simplified SVPWM Tech.  
**Publications:** IEEE Conferences - 3, Springer Chapter - 1, Others - 6  
**Citations - 84, h-index - 3, i10-index - 3**
- **Bachelor of Engineering, Electrical** (2015 – 2019) (K.K. Wagh IEER, Nashik)  
CGPA: 7.76 First class with distinction

## Publications

- A seven-level cascaded multilevel inverter based on simplified SVPWM method
- A simplified SVPWM method for cascaded multilevel inverters
- Alleviation of voltage sag-swell by DVR based on SVPWM technique
- Design and Development of Phase Lock Loop (PLL) Premised Islanding Investigative Techniques
- A Survey based on PLL and its Synchronization Techniques for Interconnected System
- IOT based smart vehicle parking system using RFID
- 5-level torque-hysteresis controller for DTC based IM drive

## Skills

GstarCAD • Elecdes • Microsoft Excel • MATLAB • EPLAN • Simulink • AUTOCAD • Microsoft Office • Visio • LaTeX

## FDP Certifications

- National Level online FDP on “Modern Technology used in Electrical Power Systems” organized by Department of Electrical Engineering, Sir Dr. M. S. Gosavi Polytechnic, Nashik during 21, 22 & 24 March 2025.
- FDP on “AI Tools” organized by MET's Institute of Technology Polytechnic, Nashik in association

with Brainovision Solutions India Pvt. Ltd. In collaboration with AICTE during 17/02/2025 to 21/02/2025.

- AICTE Training and Learning (ATAL) Academy FDP on “Recent Trends and Advancement in Integrated Power Systems” at BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY from 16/12/2024 to 21/12/2024.
- “Renewable And Sustainable Clean Energy” from 16/12/2024 to 18/12/2024 organized by Department of Electrical Engineering, S.N.D. Polytechnic, Yeola.
- AICTE Sponsored National Level Online FDP on “Introduction of Accreditation Mechanism and NBA Approach” from 29/03/2024-30/03/2024 organized by Sanjivani K.B.P. Polytechnic, Kopergaon.
- “Emerging Trend in Electrical Engineering” from 02/01/2024 to 06/01/2024 organized by S.N.D Polytechnic Yeola.
- “Emerging Trends in Electrical Technology” from 10/01/2024 to 12/01/2024 organized by MIT Polytechnic Yeola, Nashik.
- “Advance Electronics Instruments used by Arm Forces” from 14/01/2024 to 16/01/2024 organized by MVPS’s RSM Polytechnic, Nashik.

## Workshops & Certifications

- **Infosys** Springboard Course Completion Certificate Introduction to Natural Language Processing
- **Infosys** Springboard Course Completion Certificate IoT Communication Technologies
- **Infosys** Springboard Course Completion Certificate Wireless 4G-5G enabling technologies
- **EPLAN** - Access CADD
- **AUTOCAD** - Maharashtra Technical & Self-Employment Training Society
- **How to Write and Publish a Scientific Paper** (Project-Centered Course) – Coursera
- **LaTeX101x**: LaTeX for Students, Engineers, and Scientists - IITBombayX
- **Designing IoT based application to fight Covid-19** – IET
- **Career Edge - Knockdown the Lockdown** - TCS iON
- **Basics of Earth Testing** – Megger
- **Basics of SCADA** – CAT
- **Hands on training on PLC** - AUTONETICS
- **MS-CIT** – MSBTE, Mumbai

## Honors & Awards

**NBA Felicitation Programme** - Felicitated by Hon’ble Chairman Dr. Sandip N. Jha at Sandip Foundation’s Sandip Polytechnic, Nashik on 6<sup>th</sup> December 2024.



**Class Topper** - K.K. Wagh Institute of Engineering Education and Research

Academic prize for class topper M.E. Electrical Power Systems during academic year 2020-21 at KKWIEER, Nasik.

## Personal Details

**DOB** : December 26, 1997

**Marital Status** : Single

**Gender** : Male

**Languages Known** : English, Marathi, Hindi

## Declaration

I hereby affirm that the above information is true to the best of my knowledge.

**Date:**

**Place:**

**(Nishant P. Matale)**