

BIO-DATA



1. **Name:** Mrs. Nikita Shrikant Jadhav
2. **Designation:** Assistant Professor, Department of Electrical Engineering
3. **Residential Address:** Sahyadri CHS, Sector 8, Sanpada, Navi-Mumbai 400705
4. **Date of birth:** 24-10-1992
5. **Total Experience :**
 - I. **Teaching :** 6 years
 - II. **Industrial :** 0 years
6. **Qualifications:**

Exam	Year	Institution/University	Branch/Specialization	Percentage/CGPI
M.E.	2016	Shivaji University, Kolhapur	Electrical Power System	71.14 (Distinction)
B.Tech.	2014	Dr. Babasaheb Ambedkar Technological University, Lonere	Electrical Engineering	65.994 (CGPA-7.15) (First Class)

7. Employment Record:

Institution/University	Year (From – To)	Designation
Dnyanshree Institute of Engineering and Technology, Sajjangad, Satara	June 2016 – April 2022	Assistant Professor
Fr.C.Rodrigues Institute of Technology, Vashi, Navi Mumbai	July 2022 – till date	Assistant Professor

8.Undergraduate / Postgraduate Teaching Experience and Subjects Taught Subjects Taught at UG level

Sr.No.	Name of Subject	Semester
1.	Renewable Energy Sources	V
2.	Energy Storage	VI
3.	Electrical Power System I,II,III	III,V,VII
4.	High Voltage Engineering	VI
5.	HVDC	VII
6.	Computer Methods in Power System Analysis	VIII

9. Research Funding / Consultancy Services: NIL

10. Professional Societies Fellowship / Membership :

- ISTE-Life member

11. Projects guided in UG/PG level

- Simulation based design of Three phase Inverter using SPWM technique
- Air cooler using Brushless DC motor with Solar panel
- Design and development of IoT based smart energy meter for energy conservation
- IOT based Monitoring and Speed control of Induction Motor
- Solar based Wireless Battery Charging for EV application

12. Short term training programmes attended/organized

- ISTE approved online Short Term Training Programme on "Power Electronics and Drives" organized by Department of Electrical Engineering, FCRIT, Vashi from 31st October 2022 to 5th November 2022
- IEI and ISTE approved One week online FDP on 'Advance Research Methodology and innovative teaching Pedagogy' at Tulsiramji Gaikwad-Patil College of engineering and Technology, Nagpur from 8th June 2020 to 13th June 2020
- NPTEL-AICTE FDP course in 'Introduction to Smart grid' from Aug-Sep 2018
- Five days Training Program on 'Implementation of Advanced Optimization Techniques using MATLAB' at RIT, Islampur from 22nd to 26th December 2018

13. List of Journal/Conference Papers Published :

- Viraj Phapale; Retak Jha; Vivek Kannaujiya; Pawan Panchal; Ritik Gupta; **Nikita S. Jadhav** "Design & Development of IOT based Smart Energy Meter for Energy Conservation" in the proceedings of IEEE International Conference on Information Technology, Electronics and Intelligent Communication Systems (ICITEICS) on 28

& 29 June, 2024 DOI: 10.1109/ICITEICS61368.2024.10625571

- **Nikita U. Nimbalkar**, Dr. Prasad M. Joshi, “Optimal PMU Placement using ILP and ACO: a Comparative Study” IEEE Global Conference for Advancement in Technology (GCAT), October 2019 DOI: 10.1109/GCAT47503.2019.8978405
- **Nikita U. Nimbalkar**, Rajendra B. Madake, Dr. Anwar M. Mulla, Swapnil D. Patil, “Studies and Simulation based Implementation of Various PWM Strategies for Voltage Source Converter” International Research Journal of Engineering and Technology (IRJET)e-ISSN: 2395-0056 Volume: 02 Issue: 09 | Dec-2015 PP:691-697
- Rajendra B. Madake, **Nikita U. Nimbalkar**, Dr. Anwar M. Mulla, Swapnil D. Patil, “Implementation of simulation based novel PWM scheme for harmonic reduction in three phase voltage source converter” International Research Journal of Engineering and Technology (IRJET)e-ISSN: 2395-0056 p-ISSN: 2395-0072 Volume: 02 Issue: 09 PP:660-666