

Teaching Faculty profile

Name of Staff: YOGESH VILAS MAHADIK

Date Of Birth: 15.02.1985

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Designation: Lecturer in Electrical Engineering

Employee ID: DTEYVMM8501

Educational Qualification:

Degree	University	Class Obtained
PhD	Dr. BATU, Lonere Raigad	-
M.E./M.Tech	Dr. BATU, Lonere Raigad	First Class with Distinction
B.E./ B.Tech	Dr. BATU, Lonere Raigad	First Class
DEE	MSBTE, Mumbai	First Class
H.S.C	MHSHBE, Mumbai	First Class
S.S.C	MHSHBE, Mumbai	First Class

Experience Details:

Sr.No	Name Of Employer	Post Held	Period	Total Years
1	SSPMCOE, Kankavli	Lecturer in Electrical Engg.	27.09.2010	7.09.2011
2	Government Polytechnic Ratnagiri	Lecturer in Electrical Engg.	08.09.2011	07.09.2012
3	Government Polytechnic Malvan	Lecturer in Electrical Engg.	08.09.2012	09.06.2025
4	Government Polytechnic Karad	Lecturer in Electrical Engg.	10.06.2025	Till The Date

STTP's and FDP's Attended / Conducted:

Sr.No	Name Of Course	Place	Period	Dates
1	ISTE Aproved STTP on "Solar, wind,& Renewable Energy sources",	SSPM's College of Engineering, Kankavli	01 week	30.05.2011 to 03.06.2011)

2	“Induction Training programme Phase-I”, NITTTR, Bhopal	Ashokrav Mane Polytechnic Vathar	2 Week	14.05.2012 to 25.05.2012
3	“Induction Training programme Phase-II”, NITTTR, Bhopal	Pimpri Chinchvad Polytechnic Pune	02 Weeks	10.06.2013 to 21.06.2013
4	“Payabhut Prashikshan Karykram”, Yashda,	YASHADA , Pune	06 Week	29.07.2013 to 10.08.2013 phase-I, 12.08.2013 to 31.08.2013 phase-II, 08.10.2013 to 12.10.2013 phase-III
5	STTP on “Basics of Matlab & Simulink in Electrical Engineering”	SSPM’s COE, Kankavli,	02 weeks	26.05.2014 to 07.06.2014
6	TEQIP sponsored FDP on “Nature Inspired computations in Engineering (NICE)”,	Dr. BATU, Lonere Raigad,	01 week	18-05-2015 to 22-05-2015
7	Power Electronics Circuits and Control	SVNIT Surat	01 week	14-12-2015 to 18-12-2015

8	Advances in Control System	Dr. BATU, Lonere Raigad	1 Week	7-11-2016 to 11-11-2016
9	Electric Power System	IIT Kharagpur	2 Week	12-06-2017 to 15-07-2017
10	Power System Simulation using CYME and PSIM	Government College of Engineering Jalgaon	1 Week	28-01-2019 To 01-02-2019
11	Current Trends in Technology and Entrepreneurship	Govt. Polytechnic Malvan	1 Week	15-03-2019- to 22-03-2019
12	Scilab Programming	NITTTR, Chandigarh	1 Week	14-04-2020 to 18-04-2020
13	Tools for Online Teaching Process	Department of Pharmacy , Government Polytechnic Jalgaon	1 Week	20-04-2020 to 17-05-2020
14	Teaching and Learning for Accreditation in Technical Education	ICTO-262023909 NITTTR, Chandigarh	1 Week	27-04-2020 to 05-01-2020
15	Academic Leadership Enhancement in Technical Institutions	NITTTR, Chandigarh ICTO-51	1 Week	04-05-2020 to 08-05-2020
16	Research Opportunities in Electrical Engineering	Government College of Engineering Karad	40Hrs	7-05-2020 to 16-05-2020
17	Entrepreneurship and Start-up Policies 2017	ICTO-37 NITTTR, Chandigarh	1 week	11-05-2020 to 15-05-2020
18	Communication and Presentation Skills	ICTO-41 NITTTR, Chandigarh	1 week	18-05-20 to 22-05-2020
18	Outcome Based Curriculum	ICTO-47 NITTTR, Chandigarh	1 Week	25-05-2020 to 29-05-2020
19	Applications of IoT	ICTO-86 NITTTR, Chandigarh	1 Week	16-06-2020 to 20-06-2020
20	Cyber Security Measures and Tools	NITTTR Chandigarh	2 Week	22-06-2020 to 03-07-2020
21	Industrial Training Program on Materials characterisation Techniques, and Energy Storage and Harvesting Devices	NITTTR Chandigarh	3 Week	07-06-2020 to 24-07-2020

22	"NBA Accreditation :Preparation and Evaluation	Government Polytechnic Thane	1 Week	14-12-2020 to 19-12-2020
23	Development of Entrepreneurship & Managerial Skills	Govt. Polytechnic Hingoli AICTE approved	1 Week	22/02/2021 to 27-02-2021
24	ROBOTICS PROCESS AUTOMATION	NIELIT, Aurangabad	1 Week	02-08-2021 to 13-08-2021
25	Design and Optimization of EV Charging Technolgy in Smart Grid Platform	ATAL Academy	1 Week	13/09/2021 to 17-09-2021
26	Electric Vehicles	ATAL Academy	1 Week	04-10-2021 to 08-10-2021
26	Deep Learning with KERAS	SSPM COE Kankavli ISTE Approved	2 Weeks	10-01-2022 to 14-01-2022
27	Advancements in Emerging Technologies	Vivekanand Education Societies Polytechnic ,	1 Week	21-03-22 to 25-03-2022
28	AI Revolution: From Machine Learning to Generative AI	Yashwantrao bhonsale institute of technology	1 Week	06/01/2025 to 11/01/2025.
29	Principles, techniques and perspectives on Optimization techniques in engineering applications and future trends	Sindhudurg shikshan prasarak Mandal's college of engineering	1 Week	20/01/2025 to 25/01/2025.
30	Renewable energy resources: current status, Future prospects and their enabling technology	Sindhudurg shikshan prasarak Mandal's college of engineering	1 Week	16-12-24 to 21-12-2024
31	"Development of Entrepreneurship & Managerial Skills"	Government Polytechnic Hingoli	1 Week	22.02.2021 to 27.02.2021
32	Research Opportunities in Electrical Engineering	Government College of Engineering Karad	40Hrs	7-05-2020 to 16-05-2020

Paper Published in National / International Journals

Sr.No	Title Of Paper	Publication Details
1	Fast charging systems for the rapid growth of advanced electric vehicles (EVs)	2020 international conference on power, energy, control and transmission systems (ICPECTS)
2	Battery life enhancement in a hybrid electrical energy storage system using a multi-source inverter	World Electric Vehicle Journal
3	Measurement and compensation of voltage sag employing open-loop single-phase dynamic voltage restorer	Springer India MAPAN Journal 2022
4	Energy management between electric vehicle charging stations and electric distribution system considering quality of service using IACSO-MPA approach	International Transactions on Electrical Energy Systems 2021
5	Electric vehicle monitoring system based on Internet of Things (IoT) technologies	IoT and Analytics for Sensor Networks: Proceedings of ICWSNUCA 2021 Springer Singapore
6	Electric vehicle monitoring system based on Internet of Things (IoT) technologies	IoT and Analytics for Sensor Networks: Proceedings of ICWSNUCA 2021 Springer Singapore
7	Battery life enhancement using hybridization of battery and UC	IEEE 2017 International Conference on Circuit, Power and Computing Technologies (ICCPCT)
8	Battery life enhancement using hybridization of battery and UC	2017 International Conference on Circuit, Power and Computing Technologies (ICCPCT) IEEE
9	Battery life enhancement using hybridization of battery and UC	2017 International Conference on Circuit, Power and Computing Technologies (ICCPCT) IEEE
10	Battery life enhancement using hybridization of battery and UC	2017 International Conference on Circuit, Power and Computing Technologies (ICCPCT) IEEE
11	Energy efficient UAV-assisted two layer hierarchical bit-mapping access based MAC protocol	Scientific Reports Publisher Nature Publishing Group UK 2025

12	Design and Implementation of IoT-Based Electrical Installation Using Common Bus Communication	2025 International Conference on Future Technologies (ICFT) IEEE
13	Optimised electric vehicle drive using ANN-controlled induction motor and single inductor multi-port power converter utilising solar and battery sources	Inderscience Publishers (IEL) International Journal of Powertrains 2024
14	An Evaluation of Wireless Charging Technology for Electric Vehicle	Distributed Computing and Optimization Techniques: Select Proceedings of ICDCOT 2021 Springer Nature Singapore

Paper Presented in National / International Conference:

SrNo	Title Of Paper	Publication Details
1	An Evaluation of Wireless Charging Technology for Electric Vehicle	ICDCOT-2021
2	Dynamic Modelling of Induction Motor for Field oriented Control	NCETETA Dr BATU Lonere 2011
3	Fynamic Modelling of Induction Motor Indirect Vector Control	NCCIPS2020-11 Padmashri Dr Vitthalrao Vikhe College
4	Hierarchical Management of Hybrid Energy Sources in EV's	ICCASP 2016 Dr BATU Lonere
5	Battery Life Enhancement using Hybridization of Battery and UC	ICCPCT 2017 Kollam India
6	Energy Management by Hybridization of Energy Sources in Vehicular Systems	ICCMC 2017 Surya Engineering College
7	Hybridization of Battery and Ultracapacitor for Power Management in Electrical Vehicular Application	AISGSC 2019
8	Novel Multisource inverter based energy management system in Electric Vehicle	ICMESS 2019 Mumbai
10	Fast Charging Systems for the rapid Growth of Advanced Electric Vehicles (EVs)	Virtual IEEE International Conference on Power, Energy, Control and Transmission System 10.12.2020-11.12.2020

Workshop's Attended / Conducted:

Sr. No	Name Of Course	Duration	Dates	Place

Patent Filed

Sr. No	Name Of Patent	Date of Files	Submitted to
1	UAV-ASSISTED TWO-LAYER HIERARCHICAL WIRELESS SENSOR NETWORK SYSTEM AND METHOD	24 th day of February, 2026	The Controller of Patents, The Patent Office, at Chennai

Research Interest: Electric Vehicle Energy Management System.

Membership of Professional Societies: NIL