

Faculty Profile

- **FacultyName** : Mr.Sushant Yuvaraj Suryawanshi
- **Designation** : Assistant Professor
- **Department** : Electrical Engineering
- **MobileNo.** : 08928292706
- **Email Id.** : eele654sys@bmspmami.edu.in

• Educational Qualification

Sl.	Degree	University	Class
1	B.E.(Electrical Engineering)	Shivaji University	First
2	M.E. (Electrical Power System)	Shivaji University	First
3	Ph.D (Electrical Engineering)- Pursuing	Shivaji University	-

• Professional experience:-

Totalexperienceinyears:-8.8

Teaching:- 7.7

Industrial:-1.1

Research:- 2.3

Sl.	Organization	Post	Period
1	Ashokrao Mane Group of Institutions, Vathar	Assistant Professor	10 Feb .2025 to Till Date
2	Sanjeevan Group of Institutions ,Panhala.	Assistant Professor	5 Aug. 2024 to 8 Feb.2025
3	KIT's College of Engineering(Autonomous),Kolhapur	Assistant Professor	7 Dec. 2021 to 31 Jan. 2024
4	T.K.I.E.T.(Polytechnic), Warananagar.	Lecturer	8 Aug.2018 to 7 December 2021
5	Drientech Engg. PVT. LTD. Chinchwad, Pune.	PLC Engineer	1 June 2017 to 31 July 2018
6	Ashokrao Mane Polytechnic, Vathar Tarf Vadgaon, Save Dist: Kolhapur.	Lecturer	1 July 2015 to 15 April 2017

➤ SubjectTaught: -

UndergraduateSubjects			
1	Basic Electrical & Electronic Engg.	2	Fundamentals of Electrical Engg.
3	Principles of Electrical Engg.	4	Analog Electronics
5	Signals and Systems	6	Electrical Power Generation Systems
7	Power Plant Engineering	8	Electrical Safety
9	Electrical & Electronics Measurement		

➤ Project Work at U.G.: -Speed control of DC motor using PWM techniques

- **Project Work at P.G.:-**DC Side Sensorless Cascaded H Bridge Multilevel Converter Based Photovoltaic System.
- **Project Work at Ph.D:-** Design and development of a Fault - tolerant modified cascaded H-bridge multilevel inverter with redundancy for Electric Vehicle application
- **Research Interested:** -Power System, Power Electronics, Electric Vehicle
- **Paper Published in National & International Journal/Conference: -**

Sl.	Title	Name of Journal/Conference	Type	Date	ISBN No.
1	Global disparities in Electric Vehicle Charging Infrastructure: A Comprehensive Assessment of Technological Readiness	ICIRSD-2025	IC	30 oct to 1 Nov 2026	978-93-344-3977-9
2	Coin-Based EV Charging station using Arduino	ICIRSD-2025	IC	30 oct to 1 Nov 2026	978-93-344-3977-9
3	Voltage Sensing Based Open Switch Fault Detection in Five Level Modified CHB Multilevel Inverter	IEEE ICICIS 2025	IC	09-12 Sept. 2025	
4	Performance Analysis of Voltage Source Sine PWM Inverter for Micro Grid Topology	IEEE International Conference for Convergence of Technology (I2CT)	IC	07-09 April 2023	979-8-3503-3401-2
5	Implementation of a DC Side Sensor-less Cascaded H-Bridge Multilevel Converter for Photovoltaic System	IEEE International Conference on Trends in Electronics and Informatics (ICEI)	IC	23-25 April 2019	978-1-5386-9439-8

*IC-International Conference

- **No.of Project Guided at U.G .Level: -06**
- **No. of Project Guided at P.G. Level: -00**
- **STTP/FDP/Workshops/Attended/Participated: -**

Sl.	Name of STTP/FDP/workshop	Institute	Date
1	Research Insights in Modern Power Electronics and EV Infrastructure	Department of Electrical Engineering, Dr. D. Y. Patil Institute of Technology, Pimpri, Pune.	1 Week
2	Research Challenges & Opportunities in Electrical Engineering	IEEE Pune Section, JSPM's Rajarshri Shahu College of Engg., Pune.	1 Week
3	45 th GISF Standardization Series Meeting & International Workshop	Ashokrao Mane Group of Institutions, Vathar.	3 Days
4	Emerging Trends in Artificial Intelligence	Dept. of AIML & AIDS ,Ashokrao Mane Group of Institutions, Vathar.	1 Week
5	Recent advancements in IOT-Industry Perspective	Dept. of E&TC Engg.,Ashokrao Mane Group of Institutions, Vathar	1 Week
6	Advances, Challenges and Research Trends in Electrical Vehicle Technology	Dept. of Electrical Engg.,Ashokrao Mane Group of Institutions, Vathar	1 Week
7	Master Class On EV Technology	HIEE Empowering Engineers PVT LTD	28 April to 2 May

			2025
8	FDP on ABB PLC	The world of Automation Pune.	10 Aug. to 14 Aug. 2024
9	STTP on Trends and challenges in Electric Vehicle	ADCET,Ashta.	2 Jan. 2023 to 6 Jan.2023
10	FDP on Solar PV systems and it's applications	Annant Gyan Knowledge and Skills Private Limited	27 March to 1 April 2023
11	FDP on Skilling activity in MAYURA AICTE IDEA Lab	KIT's College of Engineering(Autonomous),Kolhapur	3 oct. to 7 oct. 2023
12	FDP on ICT & Research	KIT's College of Engineering(Autonomous),Kolhapur	22 nd February 2022 to 26 th February 2022
13	STTP on Theory, Operation & Applications of Transducer & Actuators in Industry	NITTTR,Kolkata	30 Dec. 2019 to 3 Jan.2020
14	FDP on Power Quality and Reactive Power Management	Sharad Institute of Technology, College of Engineering, Yadrav (Ichalkaranji).	1st June 2020 to 5th June 2020.
15	FDTP on Research Opportunities in Electrical Engg	Government College of Engg.,Karad.	7 May to 16May 2020
16	FDP on Electrical AutoCAD	RIT, salmapur.	30 May to 31 May 2019
17	FDTP in Emerging Trends in Electrical Engg.	MSBTE, Sanjay Godavat Institute, Atigre.	5 Sept.2018 to 10 Sept.2018
18	L&T Industrial Automation training	L&T,Bhosari,Pune.	10 oct. to 14 Oct. 2017

➤ **NPTEL/ SWAYAM Courses.**

Sl.	Title of the Course	Duration of Course	NPTEL/SWAYAM	Year
1	Recent Advances in Transmission Insulators	4 Week	NPTEL	Jan – Feb 2026
2	Power System Protection & Switchgear	8 Week	NPTEL	Jan-Sep ,2025
3	EV-Vehicle Dynamic and Electric Motor Drives	12 Week	NPTEL	Jan-Apr,2025
4	Power System Engineering	12 Week	NPTEL	Jan-Apr,2024
5	Sustainable Power Generation Systems	12 Week	NPTEL	Jul-Oct,2023
6	Non-Conventional Energy Sources	12 Week	NPTEL	Jan-April 2023
7	Fundamentals of Electrical Engineering	12 Week	NPTEL	Jul-Oct,2022

- **Departmental Responsibilities:** Academic Coordinator, NPTEL Coordinator, PTM Coordinator, ERP Coordinator, Mentoring Coordinator
- **Other Experience/Responsibilities If Any:-**
- **Social Contribution If Any:** -Blood donation, Books Donation,Cloth donation etc.

