

Faculty Profile

☐	Faculty Name	:	Dr.Suryawanshi Koli Amol Ashok
☐	Designation	:	Assistant Professor
☐	Department	:	Electrical Engineering
☐	Mobile No.	:	9970028737
☐	Email Id.	:	eaps623aas@bmspmami.edu.in

• Educational Qualification

Sl.	Degree	University	Class
1	BE (Electrical Engineering)	Annasaheb Dange College of Engineering and Technology, Ashta.	First
2	M.E (Electrical Power System)	Annasaheb Dange College of Engineering and Technology, Ashta.	First
3	Ph.D. Electrical	Dr. APJ Abdul Kalam University, Indore.	First

• Professional experience:- Total experience in years:-14.7

Teaching: - 14.7

Industrial: -00

Research: -00

Sl.	Organization	Post	Period
1	Sharad Institute of Technology, College of Engineering, Yadrav	Assistant Professor	1 st December 2011 to 30 th June 2024
2	AMGOI, Vathar	HOD Applied Science and Humanities Department, Associate Professor	1 st July 2024 to till Date

Professional membership

Sr.No.	Name of the membership	Membership no.	Type of membership (Annual/life)	Name of membership body	Duration	
					From	To
1	Member	LM84739	Life Membership	The Indian Society for Technical Education(ISTE), New Delhi	Jul2012	Lifetime
2	Member	M.2152L	Life Membership	Indian Society of Lighting Engineers(ISLE)	18 th March 2020	Lifetime

➤ Subject Taught:-

Undergraduate Subjects

1	AC Machines	2	Electrical Traction and Utilization
3	DC Machines & Transformer	4	Electrical Measurement and Instrumentation
5	Electrical System Design	6	Principles of Electrical Machine Design

7	E Mobility	8	Renewable Energy Sources
9	Law for Engineers	10	Basic Electrical Engineering
11	Economics for Engineers	12	Electric and Hybrid Electric Vehicle

- **Project Work at U.G.:-** Wireless Energy Billing & Tripping System
- **Project Work at P.G.:-** Integrated Hybrid Design for Irrigation control with Intelligent feeder system

➤ **Paper Published in National & International Journal:-**

Sr. No.	Name of the journal	Title of the paper	Vol. & Issue	Year
1	IJARECE	Integrated Hybrid Design for Irrigation control with intelligent feeder system	Volume 4, Issue 04 April 2015	April 2015
2	IJSRD	Real Time Transformer Parameter Monitoring and Protection by Using GSM Modem	Volume 4, Issue 02 March 2017	March 2016
3	IJEET	Wireless Power Theft detection And Intimation System By Using GSM	Volume 7, Issue 2,	March-April, 2016
4	MAT Journals	Adaptive TCR Control of STATCOM for Voltage Regulation	Volume 3, Issue 01 March 2017	March 2017
5	Journal of analog and digital Devices	Power generation by vertical Axis wind turbine	Volume 2, Issue 01 April 2017	March 2017
6	NCRET	Multifunctional Automatic Baby Cradle	ISBN: 978-93-86074-55-3	March 2018
7	IRJET	Solar powered Multifunctional agriculture robot	Volume 06, Issue 03 March 2019	March 2019
8	IJESC	Automatic Changeover system Using PLC	Volume 9, Issue 03 March 2019	March 2019
9	Journal of Advanced Research in dynamical & control systems	A structure of SHE PWM techniques for cascaded multilevel inverters with fault tolerant capability against open circuit faults	Volume. 12, 01- Special Issue, 2020	2020

10	IJAREEIE	Design and Development of Electromagnetic Braking System	Volume9, Issue5, p ISSN:2320-3765	May2020
11	IJAREEIE	Automatic Cleaning of Solar Panel with Maximum Power Tracking by using Arduino	Volume9, Issue5, p ISSN:2320-3765	May2020
12	International Journal of Multidisciplinary Educational Research	STATCOM for addressing Power Quality Issues	Volume 10, Issue 10(4), ISSN 2277-7881	December 2021
13	International Journal of Electrical & Electronics Engineers	Prevention of Vehicle Accident Using Pneumatic Cylinder & GSM Module	Volume 14, Issue 1, Jan-June 2022- ISSN:2321-2055	Jan 2022
14	Journal of Emerging Technologies & Innovative Research	Design of Electric Bicycle	--	August 2022
15	Journal of Advanced Applied Scientific Research	Smart control and start of three phase Motor on single phase supply	--	2023
16	European Chemical Bulletin	Optimizing ON-Grid Systems with PV STATCOM for Efficient Reactive Power Compensation	Volume -12, Special Issue-6	2023
17	International Journal of Industrial Electronics and Electrical Engineering	Effect of Non-Linear Loads on Harmonics	Volume-11, Issue-8	Aug.-2023
18	Journal of Data Acquisition and Processing	Maximizing Solar Power Output With PV STATCOM For Reactive Power Compensation In On Grid Systems	Volume 38, Issue 4	05 July September 2023
19	International Multidisciplinary Conference on Recent Innovations in Science, Engineering, Management and Humanities (RISEMH)	Enhancing Solar Power Yield Utilizing PV STATCOM For Reactive Power Compensation In On Grid Systems	ISBN: 978-93-91535-72-8	16-17 December 2023

	- 2023)			
20	International Journal of Research Publication and Reviews	Smart Safety Jacket for Tracking and Healthcare with Optimal Temperature Control in Extreme Weather	Vol 5, no 4, Page 391-402	April 2024
21	Intelligent Systems and Applications in Engineering	Maximizing Solar Power Output With PV-STATCOM For Reactive Power Compensation In On-Grid Systems	Volume-12, Issue-21	May 2024
22	Journal of Innovative Engineering and Research (JIER)	Enhancement of Power Quality in Grid-Connected Solar Systems Using PV-STATCOM: A Comprehensive Analysis	Vol 7, Issue 2, Page 14-16	October-2024
23	International Conference on Integrated Research and Sustainable Development (ICIRSD)-2025	Automated Irrigation System based on IOT Technology Powered by Solar Panel	ISBN 978-93-344-3977-9	30th, 31th October and 1st November.
24	International Conference on Integrated Research and Sustainable Development (ICIRSD)-2025	Integrating Lost Sales and Random Deterioration in Inventory Control Models	ISBN 978-93-344-3977-9	30th, 31th October and 1st November.
25	Journal of Materials Science	Binder-free chemical synthesis of reduced grapheneoxide/transition metal oxide-based composite	Vol- 61, Page 2447–2464	December 2025

Patent Record						
Patent Title	Type(Indian/Design/Utility)	Application Number	Date of Filing	Date of Publication	Status (Filed/Published/Granted)	Patent Office
Decorative Vertical rooftop wind Turbine	Design	Design no-456080	21/04/2025	28/08/2025	Granted(Design Registered)	Indian Patent Office (Designs Wing)
Wireless Electric Vehicle Charging Equipment	Design	Design no-453960	02/04/2025	16/02/2026	Granted (Design Registered)	Indian Patent Office (Designs Wing)
Computer for campus management and interaction	Design	Design no-6530439	03/06/2026	12/06/2026	Granted (Design Registered)	UK Patent Office (Designs Wing)

- **No. of Project Guided at U.G. Level:-** 28
- **No. of Project Guided at P.G. Level:-** 00
- **STTP/FDP/Workshops/Attended/Participated:-**

Sl.	Name of STTP/FDP/workshop	Institute	Date
1	NBA Accreditation and Teaching and learning in Engineering (NATE)	NPTEL AICTE	January to April 2022
2	Accreditation and Outcome Based Learning	NPTEL AICTE	July-Sep 2021
3	“Five-Day Workshop on Fundamental and Advanced Skills for Futuristic Vehicles”	Indian Institute of Technology Hyderabad.	1 st July to 5 th July 2023
4	Industrial Automation	SITCOE Yadrav	23 rd December to 29 th December 2023
5	Research funding and consultancy	SITCOE Yadrav	3 rd January to 7 th January 2023
6	Industrial Automation with PLC, SCADA	SITCOE Yadrav	25 th August to 27 th August 2022
7	Simulation Tools for Research	SITCOE Yadrav	8 th February to 14 th February 2022
8	Orientation and Sensitization Program Under Malaviya Mission Teacher Training Programme	AMGOI, Vathar	19 th to 29 th November 2024
9	Recent Trends and Advancement in Integrated Power Systems.	AMGOI, Vathar	16 th to 21 st December 2024
10	Urban Development of Smart Cities and Mobility	AMGOI, Vathar	30 th December to 04 th January 2025
11	45th GISFI Standardization Series Meeting and International Workshop on Digitization : Bridging the Present and Future	AMGOI, Vathar	30 th October to 1 st November 2025
12	Advances, Challenges and Research Trends in Electric Vehicle Technology	AMGOI, Vathar	27 th January 2026 to 31 st January 2026
13	Emerging Trends in Artificial Intelligence.	AMGOI, Vathar	29 th December 2025 to 2 nd January 2026
14	Recent Advances in Transmission Insulators	NPTEL AICTE	Jan-Feb 2026
15	Google for Education AI Implementation Program 2026	AMGOI, Vathar	26th May 2026

➤ **Programs Organized:-**

Sl.	Name of Program	Institute	Date
1	Annual Social Gathering.	SITCOE Yadrav	18 th & 19 th Feb 2024
2	Arranged carrier guidance program for 10 th and 12 th Science students.	SITCOE Yadrav	7 th April 2024

3	Arranged carrier guidance program for 10 th and 12 th Science students.	AMGOI, Vathar	20 th November 2024 to 26 th January 2025
4	Arranged carrier guidance program for 10 th and 12 th Science students.	AMGOI, Vathar	18 th November 2025 to 31 st January 2026

➤ **Responsibilities**

1. Worked as an Academic Coordinator of Electrical Engineering Department.
2. Worked as an Autonomous Coordinator of Electrical Engineering Department.
3. Working as an NBA Coordinator of Electrical Engineering Department.
4. Working as an Admission Committee Head and Facilitation Centre (FC) Member.
5. Worked as an Institute Cultural Committee Head.
6. Working as an Academic Council Member.
7. Working as an Departmental NAAC Criterion 4 Head.
8. Worked as an Institute Guest Lecture/Expert Talk Committee Head.
9. Worked as an Departmental Proctor Head.
10. NSS and Sports Committee Member.
11. Social Contribution If Any:- Arranged carrier guidance program for 10th and 12th Science students .
12. Working as a HOD of Applied Science and Humanities Department.
13. Working as admission camping head.

I hereby declared that the above written particulars are true to the best of my knowledge and belief.

Place:

Yours Faithfully

Dr. Suryawanshi Amol A.