

Dhanshri Subhash Katke

Building 99/2802, Kannamwar Nagar 2,
Janta Market or Asmita College, Durgamata Ground,
Vikhroli East, Mumbai - 400083

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**Objective**

To begin my lecture career at a highly reputed and eminent educational institute and gain exceptional career progress through long efforts and performance regularity.

Work Experience**1) Professor**

GAMMA Marine PVT Ltd
(March 2024 to April 2024)

2) Assistant Professor

Department of Electrical Engineering
Veermata Jijabai Technological Institute, Mumbai
(May 2023 to July 2023)
(3 months)

3) Assistant Professor

Department of Electrical Engineering
Sanjivani College of Engineering, Kopergaon
December 2020 to January 2023
(2 year 2 months)

Educational Qualification

Degree / Certificate	Institute	University	Year of passing	Percentage
Post-Graduation (M. Tech in Electrical Power Systems)	Sandip University Nashik	Sandip University Nashik	2019	80.75
Graduation (B.E. Electrical Engineering)	Amrutvahini College of Engineering, Sangamner	SPPU	2017	70.80
HSC	Dr. D. A. Ohara Jr. College, Sangamner	SPPU	2013	69.33
SSC	Amrutvahini Model School, Sangamner	SPPU	2011	77.64

SKILLS:

➤ EPLAN

- Project creation with different standards
- Symbol creation and add-in library
- Data portal
- Macro creation and inserting
- Plot frame creation and inserting
- The general arrangement of the project
- Backup creation
- Revision creation
- Shortcut key creation
- Electrical Auto Cad 2019
- Content Creator
- Researcher
- Desmos
- Phet
- Basic level of proficiency in Microsoft Office.
- Understanding and knowledge of Computer Languages like C, C++
- PLC and SCADA
- LaTeX
- MATLAB Simulink – Basic

ACADEMIC PROJECT:

M. Tech Project Title	“DEMAND SIDE MANAGEMENT FOR COMMERCIAL SECTOR USING TEACHING LEARNING BASED OPTIMIZATION”
M. Tech Project Description	Due to the benefits of Demand Side Management to the entire smart grid, DSM is gaining a lot of significance. It decreases the excess power requirement during peak hours and decreases the consumer utility bill. This project presents a demand-side management strategy that can be employed in the future smart grid. The proposed strategy is a generalized technique based on load shifting for many different types of commercial loads. It has been mathematically formulated as a minimization problem. In this project, a new approach has been adopted using Teaching Learning Based Optimization which has come out with a reduction in peak demand and results in substantial savings in utility bills.
Degree Project Title	“POWER LINE COMMUNICATION-BASED FAULT MONITORING AND CONTROL”
Degree Project Description	Automation control is used for various Control systems for operating equipment such as machinery, processes in factories, boilers, heat-treating ovens, switching in telephone networks, steering and stabilization of ships or aircraft, and other applications with minimal or reduced human intervention. Some processes have been completely automated. The biggest benefit of automation is that it saves labour however it is also used to save energy and materials and to improve quality, accuracy, and precision. This project aims to simplify the process of human-machine interaction using a generic interaction system and to make things around us smarter and more interactive.

ACHIEVEMENTS:

- An ISO 9001:2015 certified EPLAN Engineer from The World of Automation.
- An ISO 9001:2015 certified AutoCAD for Electrical and Electronics Engineers.
- Awarded GOLD MEDAL for securing the FIRST position in the degree of Master of Technology in Electrical Engineering (Electrical Power System).

Publications

- Dipesh B. Pardeshi, Mahadev G. Unde, Shraddha Maurya, Dhanshri A. Narayane, "**Condition Monitoring of Induction Motor-Vibration Analysis Technique**", International Journal of Engineering, Science and Technology, Vol. 14, pp. 38-46, No. 3, 2022.
- Dipesh B. Pardeshi, Shraddha Maurya, Renuka S. Rasal, Dhanshri A. Narayane, "**Energy Optimization of Industrial Drive at Sanjivani Sugar Factory**", International Journal of Engineering, Science and Technology, Vol. 14, pp. 29-37, No. 3, 2022.
- Dhanshri Narayane, Amarjeet S Pandey, D B Pardeshi, Renuka Rasal, "**Demand Side Management for Commercial Area Using Teaching Learning Based Optimization**", Recent Trends in Computing SCOPUS (ICRTC 2021), doi:10.3233/APC210304, 2021.
- Gaurav B. Agwan, Sachin V. Dhat, Prof. Dhanshri A. Narayane, Dr. Dipesh B. Pardeshi, "**Monitoring and protection of earthing system using Arduino**", University Grants Commission, Published in Vol. XCIII-X: 2022, The Journal of Oriental Research Madras with ISSN: 0022-3301, UGC CARE List Group 1, Impact Factor: 7.193, 2022.
- Jayashri Thore, Shalvi Garud, Dhanshri A. Narayane, Dr. Dipesh B. Pardeshi, "**Automatic Power Factor Compensation for Industrial use to minimize penalty**", Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES), 2022.
- Dhanshri A. Narayane, Prof. Kishor C. Muley, "**Statistical Study of Microgrid Based on Object Oriented Usability Indices**", International Journal of Research in Electronics AND Computer Engineering IJRECE VOL. 7 ISSUE 1, ISSN: 2393-9028 (PRINT) | ISSN: 2348-2281, JANUARY-MARCH 2019.
- Rutika Sanjay Abhang, Dhanshri Arun Narayane, Sarika Ashok Pawase, Archana Dattatraya Dighe, Sunil Somnath Kadlag, "**Power Line Communication Based Fault Monitoring and Control**", RESINCAP INTERNATIONAL JOURNAL OF SCIENCE AND ENGINEERING, April 2017.

Patent

Prof. Dhanshri Narayane	Assistant Professor	AI, IoT based real time condition monitoring of Electrical Machines using Python language	202241015285 A	19/03/2022	Published
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FDP/STTP Attended

Sr no.	FDP/STTP attended	Name	Duration	Organized by
1.	STTP	Numerical Simulation Application Using Commercial Simulation Software	1 week	D Y Patil COE, Akurdi
2.	STTP	Advanced VLSI Design Using Microwind	1 week	Dr. Rajendra Gode Institute of Technology & Research, Amravati, Maharashtra.
3.	STTP	Role of ICT in Teaching Learning Process	1 week	Department of Information Technology, Sanjivani College of Engineering, Kopargaon, Maharashtra
4.	STTP	AI Based Condition Monitoring of Electrical Systems	1 week	AICTE, Amrutvahini COE, Sangamner
5.	NITTTR Chandigarh	Matlab Basics and Simulink	1 week	NITTTR Chandigarh
6.	FDP	Assessment and Accreditation Process of NAAC	1 week	IQACs
7.	FDP	Excellence in Higher Education: - Perspective of NEP	1 week	BVB Sardar Patel College of Engineering and FELA/ SAEIndia
8.	Workshop	NPTEL Awareness	1 day	Sanjay Ghodawat University, Kolhapur
9.	Workshop	TE Electrical Syllabus Revision (2019 Pattern)	1 day	AISSMS College of Engineering/SPPU
10.	Webinar	IEEE Xplore	1 day	Sanjivani College of Engineering Kopargaon
11.	Webinar	“Introduction to Machine Learning	1 day	Research Innovation & Development (RID) Forum of Computer Engineering, Sanjivani College of Engineering, Kopargaon, Maharashtra, India
12.	Webinar	Fitness, Nutrition, and Healthy Lifestyle	1 day	Department of Physical Education and Sports, Sanjivani College of Engineering, Kopargaon
13.	Webinar	Leveraging IP for fund raising	1 day	Institution Innovation Cell - Christ College of Engineering and Technology, Puducherry.
14.	Webinar	New Product Development	1 day	SAE India Western Section and IIIE SPCE Student Chapter under IQAC SPCE
15.	FDP	Recent Trends in Renewable Energy	5 Days	
16.	FDP AICTE Training and Learning	Cyber Security	5 Days	ATAL Academy

Coursera/edX/NPTEL Certification

<u>Sr. No</u>	Name of Organizing Institute /AICTE /ISTE	Title of COURSE	Duration
1	Coursera	Electric Industry Operations and Markets	2 Week Course
2	Coursera	Electric Power Systems	4 Week Course
3	Coursera	Natural Gas	5 Week Course
4	Coursera	Safety in the Utility Industry	4 Week Course
5	Coursera	Energy: The Enterprise	4 Week Course
6	Coursera	Finding Purpose and Meaning In Life: Living for What Matters Most	4 Week Course
7	Coursera	Solar Energy Basics	5 Week Course
8	Coursera	Learning How to Learn for Youth	3 Week Course
9	Coursera	Know Thyself - The Value and Limits of Self-Knowledge: The Unconscious	4 Week Course
10	Coursera	Electric Industry Operations and Markets	2 Week Course
11	Coursera	Introduction to Artificial Intelligence (AI)	4 Week Course
12	Coursera	Electric Vehicles and Mobility	6 Week Course
13	Coursera	Outsmarting intermittency	4 Week Course
14	Coursera	Sensors and Sensor Circuit Design	5 Week Course
15	Coursera	The Science of Well-Being	10 Week Course
16	Coursera	Learning How to Learn: Powerful mental tools to help you master tough subjects	4 Week Course
17	Udemy	Learn Industrial Automation with 5+ Real Projects Using PLC	4 Week Course
18	Coursera	Renewable Power and Electricity Systems	4 Week Course

Area of Interest

Power systems, Power Quality, Smart Grid, Renewable Energy Sources, Power Electronics, Universal Human Values and Ethics, Electrical Machines

Strength

- Good oral and written communication
- Hard worker, Sincere and disciplined
- Quick learner
- Teamwork
- Coaching people
- Confident
- Ability and willingness to work in all weather conditions

Portfolios Handled

- Digital Platform In charge (IT infrastructure management, Website & Social Media Management)
- NPTEL, Coursera, edX In charge
- IEEE Student Branch Chapter
- Foreign Language Coordinator
- NSS Departmental Coordinator

Additional Information

I can take initiative when required and can manage multiple tasks. I am a good team member. Being self-motivated I carry a positive attitude towards work as well as life. I have the tenacity to work patiently in difficult situations. Also, I can communicate efficiently and achieve desired results satisfactorily.

Personal Information

- Date of Birth: 10th November 1995
- Gender: Female
- Languages Known: English, Hindi, Marathi, Japanese (learning N5 Level)
- Marital Status: Married
- LinkedIn: <https://www.linkedin.com/in/dhanshri-narayane-6776b1153/>
- Research gate: <https://www.researchgate.net/profile/Dhanshri-Narayane>
- Google scholar: <https://scholar.google.com/citations?hl=en&user=E9KuaacAAAAJ>
- Twitter: <https://twitter.com/dannnnnnnnny>