

# PROFILE

**Mrs. V. P. JOSHI**

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## PROFESSIONAL QUALIFICATION

Sr. No.	Degree	Program/Specialisation	University	Year of Passing
1.	B.E./B.Tech.	Electrical	Mumbai University	1987
2.	M.E./M.Tech.	Electronics	Mumbai University	1994
3.	Ph.D.	-	-	-

## EXPERIENCE

Sr. No.	Organisation	Duration
1.	Mazgaon Dock Ltd	July 197 to March 1988
2.	SPCE	April 1988 till date

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## PROFESSIONAL MEMBERSHIP

Sr. No.	Name of professional society	Membership ID
1 .	ISTE	LM 14000
2.	<u>MIET for 2014</u>	

## PAPERS PUBLISHED

**International Journal**

<b>Sr. No.</b>	<b>Authors</b>	<b>Title of paper</b>	<b>Publisher</b>	<b>Year</b>
<b>1.</b>				
<b>2.</b>				

**International Conference**

<b>Sr. No.</b>	<b>Authors</b>	<b>Title of paper</b>	<b>Publisher</b>	<b>Year</b>
<b>1.</b>				
<b>2.</b>				

**National Journals**

<b>Sr. No.</b>	<b>Authors</b>	<b>Title of paper</b>	<b>Publisher</b>	<b>Year</b>
<b>1.</b>				
<b>2.</b>				

**National Conference**

<b>Sr. No.</b>	<b>Authors</b>	<b>Title of paper</b>	<b>Publisher</b>	<b>Year</b>
<b>1.</b>				
<b>2.</b>				

**WORKSHOP / COURSES ATTENDED**

Sr. No.	Organizer	Title	Year
1.	BVB's Sardar Patel College of Engineering, Mumbai under Twinning Activity	TEQIP-III Sponsored one week FDP on Efficacy of Digital Pedagogy for Effective Online Teaching Learning,	Oct. 8 -15 , 2020
2.	IIT , SWAYAM	Digital Transformation in Teaching Learning Process	April 6-22, 2020
3.	Structural Department , SPCE	Inter Personal Skills & Management	June 30-July 4, 2014.
4.	(TEQIP Phase III sponsored National Faculty Development Webinar Programme) Department of Electrical Engineering, Dumka Engineering College	Micro-Controller Based Embedded System Design	May 4-8, 2020
5.	Rutgers university	Train the Trainer	Sept. 18-21, 2014
6.	Jaipur Productivity Centre	Transformational leadership and change management	Dec. 17-21, 2014

### WORKSHOP / COURSES CONDUCTED

Sr. No.	Organizer	Title	Year
1.	Coordinated CCE value added courses (Technical - with industry) and non-Technical value added courses	<p>Technical value added courses (with industry):</p> <ol style="list-style-type: none"> <li>1. Basic LV - Switchgear and Motor</li> <li>2. Basic Automation – 1 ( PLC and HMI )</li> <li>3. Basic Process Instrumentation</li> </ol> <p>Non-Technical value added courses:</p> <p>Ubuntu</p> <p>Self defence training program</p> <p>Financial Literacy</p> <p>Integrated self management</p> <p>Photography</p>	<p>2019-20</p> <p>2019-20 2020-21</p>

### ONLINE COURSES

Sr. No.	Organizer (AICTE/ Swayam / NPTEL / Coursera)	Title	Year
1.			
2.			

### CONFERENCE ATTENDED

Sr. No.	Organizer	Title	Year
1.			
2.			

### CONFERENCE ORGANIZED

Sr. No.	Organizer	Title	Year
1.			
2.			

### EVENTS ORGANIZED

Sr. No.	Organizer	Title	Year
1.	IET – SPCE	expert lecture on ‘ Power electronics applications in Automation’by Mr. R. G. Rane, General Manager & Head- Power Electronics & Automation Technology Centre, Electrical & Automation IC, Larsen & Toubro Limited.	September 1, 2016
2.	IET SPCE	MATLAB workshop conducted by	September 12, 2015

3.			
4.	<u>IET SPCE</u>	<u>Stakeholder Management</u>	<u>October 6, 2016</u>
5.	<u>SPCE L &amp; T</u>	<u>MOU signed</u>	<u>April 21, 2016</u>
<u>7.</u>	<u>SPCE Siemens</u>	<u>MOU signed</u>	<u>May 21, 2019</u>
<u>8.</u>	<u>AICTE SPCE</u>	<u>Leadership and Management workshop UKIERI</u>	<u>Jan 12-14, 2018</u>

## PROJECTS GUIDED

### PG Level

Sr. No.	Title of project	Year	Status (Completed/ Ongoing)
1.	Features & Configuration of Chandrapur-Padghe HVDC Project and DC Line to ground Fault Analysis on VSC Based HVDC Transmission Line	2019-20	Completed
2.	Power Quality Enhancement Using Sliding Mode Controlled Dynamic Voltage Restorer	2019-20	Completed
3.	Modelling and Analysis of Solar PV Grid connected system using PLL synchronization and SPWM technique.	2018-19	Completed

4.	5-level cascaded H bridge multilevel inverter fed induction motor drive using sinusoidal PWM.	2018-19	Completed
5.	Planning, designing and simulation of industrial plant	2017-18	Completed
6.	Improvement of power quality using various control techniques of dynamic voltage restorer	2017-18	Completed
7.	Load Flow Method for Distribution System	2016-17	Completed
8.	Power Quality Improvement using Multi-level Inverter as a STATCOM with multiple sources	2016-17	Completed
9.	<u>Design, Simulation and Hardware Implementation of Three Phase Asymmetric Seven Level MLI for industrial and research applications.</u>	<u>2015-16</u>	Completed
<u>13.</u>	<u>Algorithms for secured zone 3 operation of distance relay in smart grid.</u>	<u>2015-16</u>	<u>Completed</u>
<u>10.</u>	<u>Design and implementation of sub nanosecond Pulse Generator Based on Avalanche Transistor used for spark gap synchronization</u>	<u>2015-16</u>	<u>Completed</u>
<u>11</u>	<u>Development of synchronizing and crowbar circuits for 70kJ, 25kV Electromagnetic manufacturing machine and pulse current diagnostics</u>	<u>2015-16</u>	<u>Completed</u>
<u>12.</u>	<u>Critical studies of EMI in development of Battery based capacitor charging power supply</u>	<u>2015-16</u>	<u>Completed</u>

#### Ph.D. Level

Sr. No.	Title of thesis	Year	Status (Completed/ Ongoing)
1.	-----		
2.	-----		

#### SUBJECTS TAUGHT

Sr. No.	Name of subject	UG/ PG
1.	Protection of Power System (digital part )	PG
1.	Electronic Circuits	UG
2.	Analog Circuits	UG
3.	BEE I	<u>UG</u>
4.	BEE II	<u>UG</u>
5.	Microprocessors and Microcontroller	<u>UG</u>
6.	Signals and Systems	<u>UG</u>
7.	Digital Signal Processing	<u>UG</u>
8.	Circuit Analysis	<u>UG</u>
9.	Digital Electronics	<u>UG</u>
10.	Integrated Circuits	<u>UG</u>

### ACHIEVEMENT

Sr. No.	Type of achievement	Year
1.		
2.		

### DEPARTMENTAL AND INSTITUTIONAL RESPONSIBILITIES

Sr. No.	Type of responsibility	Department / Institute	Year
1.	In Charge HOD	Department	2013 -2016
2.	CCE Chairperson	Institute	2019 - till date

### INDUSTRIAL TRAINING ATTENDED

<b>Sr. No.</b>	<b>Organizer</b>	<b>Title</b>	<b>Year</b>
<b>1.</b>			
<b>2.</b>			

### **INDUSTRIAL TRAINING ORGANIZED**

<b>Sr. No.</b>	<b>Organizer</b>	<b>Title</b>	<b>Year</b>
<b>1.</b>	<b>CCE SPCE and Siemens</b>	<b>echnical value added courses (with industry):</b>  <b>6. Basic LV - Switchgear and Motor</b> <b>7. Basic Automation – 1 ( PLC and HMI )</b> <b>8. Basic Process Instrumentation</b>	<b>2019-20</b>

### **EXPERT LECTURE CONDUCTED / ORGANIZED**

<b>Sr. No.</b>	<b>Organizer</b>	<b>Title</b>	<b>Year</b>
<b>1.</b>	<b>Expert lectures through Online google meet</b>	<b>Importance of Simulation</b>	<b>Nov. 11, 2020</b>
<b>2.</b>	<b>ISTE Approved One week FDP on "Basic Electrical, Electronics &amp; Electrical Machines" organized by the Electronics Engineering Department SPIT</b>	<b>Semiconductor Devices</b>	<b>16th July 2015</b>

### **FUNDED RESEARCH PROJECT**

<b>Sr.</b>	<b>Funding</b>	<b>Title</b>	<b>Sanctioned</b>	<b>Duration</b>	<b>Status</b>
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<b>No.</b>	<b>agency</b>		<b>amount</b>	<b>with dates</b>	<b>(Completed / ongoing)</b>
<b>1.</b>					
<b>2.</b>					

## **REVIEWER**

<b>Sr. No.</b>	<b>Title of journal / conference</b>	<b>Year</b>
<b>1.</b>		
<b>2.</b>		

## **CONSULTANCY / TESTING / THIRD PARTY AUDIT**

<b>Sr. No.</b>	<b>Organizer</b>	<b>Type of consultancy</b>	<b>Year</b>
<b>1.</b>			
<b>2.</b>			