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HOBBIES

Teaching

Management

Administration

Writing

Art & Culture

MEMBERSHIPS

Life Member of Indian Society for
Technical Education. Membership
No.: LM40705

DR. SWATI BHASME

HOD & I/C VICE PRINCIPAL

EDUCATION

Ph. D in Solar Power System

Dr. Babasaheb Ambedkar University, Aurangabad

May 2021

M.E. Electrical Power System

Government Engineering College, Aurangabad

Nov 2006

B.E. Electrical Electronics & Power

Government Engineering College, Aurangabad

June 1998

HSC

S.B Science College, Aurangabad

June 1994

SSC

Sharda Mandir, Girls High School, Aurangabad

June 1992

WORK EXPERIENCE

Junior Engineer, MSEB

July 1999 to Aug 2001

Management of Resources, Technical Field Work

Member of Various Interview Panel
Committee for selection of lecturer,
HOD & Principal.

Member of Journal Reviewing
Committee

**Lecturer, Government Polytechnic, Directorate of Technical
Education, Mumbai**

Aug 2001 – March 2018 Academic Deliberation, Development of
Student through Teaching & Learning aids.

**Head of Department & Vice Principal, Government Polytechnic,
Directorate of Technical Education, Mumbai**

March 2018 – Till Date

Teaching & Academic Administration, Management & Development
of Department, Institute & Technical Education.

QUALIFICATION:

Qualification Type	Name of Degree	Name of College/Institute	Board/ University	Year of Completion	Percentage / Grade	Class / Grade
Graduate	B.E.	Government Engineering College, Aurangabad	Dr. BAMU Aurangabad	1998	68.53%	Distinction
Post-Graduation	M.E.	Government Engineering College, Aurangabad	Dr. BAMU Aurangabad	2006	67.56%	First Class
Ph. D	Ph. D	Government Engineering College, Aurangabad	Dr. BAMU Aurangabad	2021	75%	Distinction

ADDITIONAL SKILLS:

- I. Project development, guidance and management skills.
- II. Project Execution & Implementation
- III. Communication skill
- IV. Institutional Development

CAREER DETAILS:

Institution / Department / Organisation	Designation (Post Held)	Nature of Appointment	Nature of Job	From Date To Date	Duration	MPSC Other
Maharashtra State Electricity Board	Junior Engineer	Permanent	Technical	1 July 1999 to 16 Aug 2001	2 Years, 1 Month 16 Days	MSEB Board
Higher and Technical Education Govt. of Maharashtra	Lecturer	Permanent	Teaching	17 Aug 2001 to 05 Mar 2018	15 Years, 9 Months 9 Days	MPSC
Higher and Technical Education Govt. of Maharashtra	HOD	Permanent	Administration	6 Mar 2018 to till date	5 Years	MPSC
Higher and Technical Education Govt. of Maharashtra	In charge Vice Principal	Permanent	Administration	June 2018 to till date	4 Year, 10 Months	MPSC

SPECIALIZED TRAINING COURSES ATTENDED:

Sr. No.	Course Name	Duration	Place	Training Agency	Remarks
01	Technical Teachers Training Phase -I	15 th Apr – 10 th May 2002	Government Polytechnic, Aurangabad	National Institute of Teachers Training & Research, Bhopal	Four Week
02	Power Station Operation & Load Dispatch	APR 2-6, 2002	Eklahre, Nasik	Department of Training, Research & Development	One Week
03	Advanced Topics in Linear System Theory	May 13-24, 2002	IIT, Bombay	IIT, Bombay	Two Week
04	Transformer Testing, Maintenance & Protection	Mar 22-26, 2004	Government Engineering College, Aurangabad	EED, Government Engineering College, Aurangabad	One Week
05	Applications of MATLAB in Electrical Engineering	August 16-20, 2005	Government Engineering College, Aurangabad	Indian Society for Technical Education (ISTE), India	One Week
06	Development of Learning resources using Multimedia	Oct 31- Nov 11, 2006	Government Polytechnic, Aurangabad	Indian Society for Technical Education (ISTE), India	Two Week
07	Industrial Training on Manufacturing Processes & Testing of Switch gear equipment.	18 June -13 August, 2008	ABB, Nasik	ABB Limited	Eight Week
08	Solar Photovoltaics: Fundamentals, Technologies & Applications	Dec 12-22, 2011	College of Engineering, Pune	IIT Bombay MHRD & MNRE	Two Week
09	Advances in Signal & Image Processing (ASIP)	Nov 26-30, 2012	Government Engineering College, Jalgaon	TEQIP, GEC, Jalgaon	One Week
10	Research Methodology – Concept & Tools	Dec 16-20, 2-13	Government Engineering College, Aurangabad	TEQIP, PH II, GECA	One Week
11	Statistical Techniques for Data analysis in Research (STEDAR -2014)	June 9-13, 2014	Government Engineering College, Aurangabad	Civil Department, GEC, Aurangabad	One Week
12	Capacity Building	Nov 10-14, 2014	Government Polytechnic, Aurangabad	Directorate of Technical Education, Maharashtra	One Week
13	Applications of MATLAB & Simulink for Engineers	May 16-17, 2015	College of Engineering, Pune	Mechanical Department, COEP	Two Days
14	Latex & Science Communication	August 8-10, 2015	JNEC, Aurangabad	Civil Department, JNEC, Aurangabad	Two Days

15	Work Ethics Motivational Climate & Attitude development (FDP)	Mar 8-9, 2016	Government Polytechnic, Aurangabad	National Institute of Teachers Training & Research, Bhopal	Two Days
16	Orientation Training on Learning Management System (LMS) for e-learning	Nov 17-19, 2016	YASHADA, Pune	YASHADA, Pune	Three Days
17	Tools for Cyber Security: A Laboratory Course	May 22-26, 2017	IIT Bombay	Continuing Education & Quality Improvement Program, IIT, Bombay	One Week
18	Faculty Development Program (FDP)	18 Feb 2019 To 01 March 2019	MCED, Aurangabad	National Science & Technology Entrepreneurship Development Board (NSTEDB)	Two Week
19	Role of Industry Institute Interaction & Alumni for Development of Technical Education	March 11-15, 2019	Government Engineering College, Aurangabad	Dean III & A GECA	One Week
20	E – Governance for Institutional Development	Mar 25-27, 2019	YASHADA, Pune	Yashwantrao Chavan Academy of Development Administration (YASHADA), Pune	3 days
21	Government Process Re-engineering for e-Governance	Dec 11-13, 2019	YASHADA, Pune	Yashwantrao Chavan Academy of Development Administration (YASHADA), Pune	3 Days
22	Electric Vehicle	11th - 16th May 2020	Online	Department of Electrical Engg.,JIT-Nagpur	1 Week
23	Ascertain Awareness of Teachers on Accreditation	June - August 2021	Online	National Institute of Technical Teachers' Training and Research, Bhopal.	1 Month
24	Orientation Workshop on Curriculum Development	11-13, April,2022	Government Polytechnic, Aurangabad	NITTTR, Bhopal	3 Days
25	"Investment Bazar for Energy Efficiency"	10 March 2023	Taj Vivanta, Aurangabad	MEDA, Bureau of Energy Efficiency	1 Day
26	Special Orientation Workshop	21 st February 2023	Unnat Bharat Abhiyan, IIT Delhi.	IIT, Delhi	1 Day
27	Indigenous Development of Technologies	27 th February 2023	IIT, Mumbai	IIT, Mumbai	1 Day
28	Vasundhara International Film Festival	20th to 23 rd Jan 2023	Online	Kirloskar	3 Days

29	National Education Policy	13- 14 March 2023	Gurunanak Institute of Engineering & Technology, Nagpur	Internal Quality assurance cell, Gurunanak Institute of Engineering & Technology, Nagpur	2 Days
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RESEARCH & PUBLICATION ACTIVITIES:

Publication Type	Name of Journal with Volume No. and page Numbers	Year of Publication	Title of Paper	Impact Index
National	Advances in Power systems and Energy Management Conference on PP 1-2 March 2008	2008	<i>Distributed Generation in Developing Countries</i>	2.2
National	Emerging trends in Advanced Communication and Electronics PP 8-9	2009	<i>Improvements in system stability with HVDC and FACTS.</i>	2.5
International	Current trends and Challenges in Management Engineering Computer Application and Technology	2012	<i>Design of Scheffler reflectors for cooking</i>	2.2
International	Current Trends and Challenges in Management Engineering Computer applications and Technology PP 23-25	2012	<i>Improved Circuit Model for Photovoltaic array and</i>	2.2
International	Renewable energy utilization PP 4-6	2012	<i>Concentrating Solar Power Technologies Cost and Benefits</i>	3.1
International	International Journal of Power System Operation and Energy Management ISSN Volume 1 Issue- 4 PP 62-67	2012	<i>Modelling and Analysis of Single-Phase Grid Connected solar power system</i>	3.4
International	International Journal of research in Engineering and Technology EISSN 2319-1163 Volume 5 Issue 3	2013	<i>Design of Scheffler Reflector for Solar Cooking</i>	2.2
International	International Journal of Engineering Innovations and Research Volume 4 ISSN:	2015	<i>Performance Analysis of Scheffler Reflector used for solar dry cleaning.</i>	2.2

	2277 – 5668			
International	International Journal of Engineering Research and Technology ISSN 0974-3154 Volume 9 Number 1 (2016) PP 1-16	2016	<i>“Comparative Evaluation of Parabolic Collector and Scheffler Reflector for Solar Cooking”</i>	3.8
International	International Journal of Advanced Research, Ideas and Innovations in Technology” (ISSN: 2454-132X) Volume 6,	2020	<i>“Design and analysis of a high-efficiency, cost-effective solar concentrator system for community solar cooking”</i>	4.8
State level	Published 4 manuals of technical subject.	2021	<i>Lab Manuals of subject of Non-Conventional Energy Resources, DC Machines & Transformers, Power Electronics, ECA & etc.</i>	4.0

- Presentations and Publications in Referred International Conference Proceedings (Total 03)
- Presentations and Publications in Referred National Conference Proceedings (Total 05)
- Reviewer for international Journals: Springer Journal

WORK DONE IN THE AREA OF TECHNICAL EDUCATION-

- Developed Power Electronics and Fundamentals of Electronics lab under MODROB schemes during 2004 - 2006
- Organized Three MSBTE sponsored STTP program for faculty and staff.
- Organized state level alumni meet for Students of Electrical Engineering.
- Developed Lab Manuals for Various subjects in Electrical Engineering for MSBTE and autonomous institute.
- Signed MOU with various Industries from Maharashtra for imparting skills & Knowledge to students for implant training.
- Worked as committee member for publication of Magazine of MSBTE.
- Worked as chairman of Committee for Academic Monitoring of Various Institutes.
- Worked as External Examiner for Various Examinations of MSBTE & Autonomous Institutes.
- Member of Various Interview Panel Committee for selection of lecturers, HOD & Principal.

WORK DONE IN THE OTHER AREA

- Regularly Organized & conducted health camp for faculty and students

- Regularly organized health Camp on Osteoporosis for faculty for Institutes.
- Regularly organized Health Talk of Expert doctor for staff and students.
- Conducted Alumni Meet of Students Frequently .

WORK DONE FOR SOCIETY:

- Coordinator of Unnat Bharat Abhiyan. Adopted Five villages under UBA for development. Completed survey of villages and working for installation of Solar PV System in Villages.
- Secretary of RUT VED Foundation. The foundation is working for the welfare of society, especially underprivileged children.
- Developed biogas Project for community cooking at Village like Varud Khurd, Aurangabad
- Coordinator of Solar power plant installation at institute.

WORKSHOP/COMPETITION ARRANGED:

- Organized state level Technical Quiz for students.
- Worked as Inauguration committee chairman for “Industry Institute Congregation” held in April 2018 at Marathwada regional Level.

EXPERT TALK:

- Delivered expert talk for subject like renewable energy resources, AC machines, Power Electronics at various institute of Polytechnics of MSBTE.

HONORS AND AWARDS:

- Every Year Guided student project is being selected in MSBTE and Dipex sponsored project Competition.
- Guided Students received first Prize in MSBTE state level Technical Education Competition for Project “An automation to generate electricity from wind experienced by moving train” including cash of Rs. 75000/- and Golden Trophy.
- Guided students received third prize in state Level seminar competition for “Kite energy generation” sponsored by MSBTE
- Guided students received third prize in National level project competition for project “Energy generation from Kite Wind Power Plant” held at Kolkata organized by NITTTR
- Received certificate of best performance for events like Sports & Cultural activities coordinator from regional director.
- Received certificate of best performance for lab manual development & first prize in MSBTE Project competition from director MSBTE.
- Received Best Project Award at National level project model competition for electric car organized by IIT Madras & Guwahati University.

DR. SWATI BHASME
Head of Department & Vice Principal