

## Mrs. Manjusha R. Bachawad

Government College of Engineering, Osmanpura, Aurangabad-431001,

Distt: Aurangabad



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**Mobile:** 9850551540

Name of Teaching Staff	Bachawad Manjusha Rajesh
Father's Name	Vishwanathrao Madhwarao Chalwad
Mother's Name	Kantabai
Designation	Associate Professor
College Address	Government College of Engineering, Osmapura, Station Road, Aurangabad Pincode:431005
Date of Joining	12/12/2003
Date of completion of probation	30/12/2005
Date of Birth	13/5/1970
Caste	Yelem-333 (OBC)
Religion	Hindu
Gender	Female
Married	Yes
Physical Disabled	No
GPF No.	EDBN/15012
PAN No.	AAAYCP3001F
Bank Name	State Bank of Hyderabad Station Road, Aurangabad
A/c No	52065993097
Present Address	Plot No. 139, Veer Sawarkar Nagar, N5(South), CIDCO
Permanent Address	Plot No. 139, Veer Sawarkar Nagar, N5, South, CIDCO
Phone(Office)	02402366198
Phone (Residence)	-----
Mobile	9850551540
Total Teaching Experience in year as on	Teaching:23 Years & above
Papers Published in Conference	<b>National:04,International: 01</b>
PHD/Projects Guided	Projects as Masters Level
Pay Scale	44820+9000=53820

UG Degree

B.E Electrical

Year: 1991

University: Marathwada University

Class /Division: First

Overall Percentage/CGPA: 71.14

Number of  
QIP/ISTE/AICTE/IMPACT  
Courses Attended

a) 4 to 8 days Duration: 03

b) Two week Duration: 03

c) More than 2 weeks: 00

PG Degree

M.E Electrical Power System

Year: 2001

University: Dr B.A.M. University

Class/Division: First

Overall Percentage/CGPA: 65.18

Book Published

Nil

Professional Membership

LMISTE, MIE

EDUCATIONAL QUALIFICATION;

Qualification	School/College	University/Board	Year of passing	Class	Marks Obt/Total Marks	%Percentage
S.S.C	ShantiniketanMahavidyalayaMulki-Omerga, Ahmedpur	Maharashtra state Board of Education	1985	First Division with Distn	586/700	83.17
H.S.C	RajarshriShahu College, Latur	Maharashtra state Board of Education	1987	First Division	433/600	72.17
B.E (Electrical)	Government College of Engineering, Aurangabad	MarathwadaUniversity, A'bad	1991	First	1067/1500	71.14
M.E (electrical power system)	Government College of Engineering, Aurangabad	Dr.BabasahebAmbedkarMarathwada University, Auranagabd	2001	First	1043/1600	65.18

Academic Data(Examination Passed B.E/B.Tech/B.Arch/B.Sc(Engg)/Equivalent)

Year	University	Year	Specialization	Class	Marks Obt	Percentage
Year 1	MarathwadaUniversity, A'bad	1988	Electrical	Second	832/1500	55.46
Year 2	MarathwadaUniversity, A'bad	1989	Electrical	Second	821/1500	54.73
Year 3	MarathwadaUniversity, A'bad	1990	Electrical	First	920/1500	61.33
Year 4	MarathwadaUniversity, A'bad	1991	Electrical	First	1067/1500	71.13

Academic Data(Examination Passed M.E/M.Tech/Equivalent)

Sem	University	Year	Specialization	Class	Mark Obt	Percentage
Sem1	Dr. B.A.M.University,A'bad	1996	Electrical-Power System	First	159/250	63.6
Sem2	Dr. B.A.M.University,A'bad	1996	Electrical-Power System	First	165/250	66.6
Sem3	Dr. B.A.M.University,A'bad	1998	Electrical-Power System	Second	156/275	53.09
Sem4	Dr. B.A.M.University,A'bad	1998	Electrical-Power System	Second	164/275	59.6
Sem5	Dr. B.A.M.University,A'bad	1999	Electrical-Power System	First	169/250	67.6
Sem6	Dr. B.A.M.University,A'bad	2000	Electrical-Power System	First	240/300	80.9

EXPERIENCE

Sr. No	Names and Address of Employer & Institution	Designation	From(Date)	To(Date)	Total Experience
1	P.L.GovernmentPolytechnic,Latur	Lecturer	25/09/1991	16/04/1992	6 Months 21 Days
2	Lect. In Electrical Engg Dept. Maharashtra College of Enhineering, Nilanga	Lecturer	22/08/1992	20/06/1993	10 Months 3 Days
3	Government EGINEERING College Aurangabad	Lecturer	23/11/93	10/11/1995	1 Year 11 Months 13 Days
4	Jawaharlal Nehru. Engg. College, Aurangabad	Lecturer	18/01/1996	12/12/2003	7 Years 10 Months 26 Days
5	Government EGINEERING College Aurangabad	Lecturer	12/12/2003	Till today	13 years Months days

## ACHIEVEMENTS

- Organized a short-term training programme of one-week duration on “**ENERGY ADUIT AND CONSERVATION**” sanctioned by ISTE organized by Department of Electrical Engineering, Govt. College of Engineering, A’bad during January 17-21-2005.
- Has worked as a member of organizing committee of one-week work shop on “**TRANSFORMER TESTING,MAINTANANCE AND PRODUCTION**” under STTP sanctioned by ISTE organized by department of Electrical Engineering, Govt. College of Engineering, A’bad during MARCH 22-26,2004
- Has worked as a member of organizing committee of ISTE (Indian Society for technical Education) of one-week duration on “**APPLICATION OF MATLAB IN ELECTRICAL ENGINEERING**” sanctioned by ISTE organized by department of Electrical Engineering, Govt. of Engineering, A’bad during AUGUST 16-20,2005
- Worked as **Technical Zonal Officer** for Aurangabad Loksabha constituency Elections at 194 Aurangabad (east) in 2004.
- Worked as **Technical Zonal Officer** for Aurangabad Loksabha constituency Elections at 193 Aurangabad (west) in 2004.
- Has worked as a member of **THE INSTITUTION OF ENGINEERS(INDIA)** during 17/02/2003-16/06/2003
- Life Member of **THE INDIAN SOCIETY FOR TECHNICAL EDUCATION**

## TRAINNING AND SHORT TERM COURSES ATTENDED

S. No	Training/Workshop	Organizing Committee	Duration		No of Weeks /Days
			From	To	
1	<b>Technical Teachers Empowerment program</b>	V.N.I.T Nagpur	05/07/2004	17/07/2004	Two Week
2	<b>Energy Audit And Conservation</b>	Govt. Engg. College, Aurangabad	17/1/2005	21/1/2005	One Week
3	<b>Programmable Logic Controller</b>	Govt. Poly. Aurangabad	28/11/2015	10/12/2005	Two Week
4	<b>Induction Training Program For Engg. College Teachers (ITP)</b>	Govt. Engg. College, Aurangabad	05/12/2005	17/12/2005	Two Week
5	<b>ModellingAnd Simulation of Engineering Systems in Multi Energy Domains</b>	Govt.Engg. College, Aurangabad	09/1/2006	15/1/2006	One Week
6	<b>Management Capacity And Vision Development</b>	N.L. Dalmia IMS&R, Mumbai	23/1/2006	25/1/2006	Three Day

7	<b>Designing Student Conducted Studies</b>	Govt.Engg. College, Aurangabad	30/07/2007		One Day
8	<b>Power Electronics &amp; Electrical Machines Drives</b>	I.I.T Bombay	19/2/2007	23/2/2007	One Week
9	<b>TRAINING PROGRAM ON MAGNET EM SOFTWARE</b>	Govt.Engg. College, Aurangabad	29/2/2008	1/03/2008	Two Days
10	<b>Engineering Optimization, EO-2010</b>	Govt.Engg. College, Aurangabad	28/6/2010	9/07/2010	Two Week
11	<b>Genetic Algorithm and Neuro Fuzzy Application in Engineering,GANEUPAS-2010</b>	Govt.Engg. College, Aurangabad	29/11/2010	10/12/2010	Two Week
12	<b>Engineering Optimization, EO-2010</b>	Govt.Engg. College, Aurangabad	28/06/2010	9/07/2010	Two Week
13	<b>Recent Advances in Electrical Power &amp; Energy System</b>	JamiaMilliaIslamia,New Delhi	09/12/2011	22/12/2011	Two Week
14	<b>Pedagogy</b>	Govt.Engg. College, Aurangabad	16/5/2011	21/5/2011	One Week
15	<b>Power system operation &amp; control</b>	NPTI Bengaluru	04/06/2012	15/06/2012	Two Week
16	<b>Application of Solar Energy and Photovoltaics</b>	IIT Delhi	12/12/2012	18/12/2012	One Week
17	<b>Self Management&amp; Team Management for Success-Breaking the Barriers</b>	Govt.Engg. College, Aurangabad	18/09/2012		One Day
18	<b>Network Security</b>	Govt.Engg. College, Aurangabad	07/10/2013	11/10/2013	One Week
19	<b>Role of Power Electronics in Modern Electrical System</b>	MNIT Jaipur	23/12/2013	27/12/2013	One Week
20	<b>RECENT ADVANCES IN RENEWABLE ENERGY SYSTEMS</b>	MNIT Bhopal	21/10/2013	25/10/2013	One Week
21	<b>Patent and Copyright Policy of Government College of Engineering, Aurangabad</b>	Govt.Engg. College, Aurangabad	09/04/2013	09/04/2013	One Day
22	<b>Outcome Based Education &amp; NBA</b>	Govt.Engg. College, Aurangabad	31/1/2015-	1/2/2015	Two Day

### STUDENT GUIDANCE

B.E. Projects	75
M.E. projects	10
Ph.D. Supervision	NIL

## PUBLICATIONS

<b>Publication in National/International Conferences</b>					
<b>Sr. no</b>	<b>Paper Title</b>	<b>Authors</b>	<b>National/International Conference</b>	<b>Vol/Issue/ date</b>	<b>ISSN</b>
1	Reactive Power Compensation for Wind Farm by using STATCOM under fault conditions	1.Goyanka J R 2.Bachawad M R	International Conference on Electrical and Electronics Engineering, Nagpur	Oct 22-23 ,2011	
2	“ Role of Programmable Logic Controller (PLC) in Mechatronics	1.Pankaj UttamraoZine 2.Ms.Manjusha V. Chalwad	The National Conference on Emerging Technologies in Mechanical Engineering	April 6-7 ,2006	
3	Mitigation of Voltage Sag with Emphasis on DVR	1.Mrs.S.D.Pardeshi 2.Mrs.M.R.Bachawad	Third National Conference on Advanced Power System	Dec 2-3, 2011	
4	Load Flow Analysis: Case Study Using ETAP Application Software	1.Sudhir k Shinde 2.Prof.M.R.Bachawad 3. Prof.S.S.Wagh	Third National Conference on Advanced Power System	Dec 2-3, 2011	
5	Braking of Induction Motor by Using Variable Frequency Drive(VFD)”	1.Jayshree Madrewar 2.M.R.Bachawad	National Conference on Emerging Trends in Electrical and Electronics Engineering	Feb 18-3, 2013	
<b>Publications in International/National Journal</b>					
<b>Sr. no</b>	<b>Paper Title</b>	<b>Authors</b>	<b>Journal</b>	<b>Vol/Issue/ date</b>	<b>ISSN</b>
1	Comparative study of Interline Dynamic Voltage Restorer (IDVR) using Space Vector Pulse Width Modulation (SVPWM) and Sinusoidal Pulse Width Modulation (SPWM) Technique	1.Praful M.kamble 2. Mrs.M.R.Bachawad	Advanced Research in Electrical and Electronics Engineering	Vol 2/issue 1/Oct-Nov 2014	2349-5812
2	Power Quality Improvement Wind/PV Hybrid System by using FACTS Device	1.Prachi P.Chintawar 2. Prof.M.R.Bachawad	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	Vol 4/issue 6/ June 2015	2320-3765
3	Improvement in Power Transmission Capacity by Simultaneous AC-DC Transmission	1.Bhaagyashri G.Sherkhane 2. Mrs.M.R.Bachawad	Advanced Research in Electrical and Electronics Engineering	Vol 2/issue 6/ April-June 2015	2349-5804
4	Improvement in Power Transmission Capacity by Simultaneous AC-DC Transmission	1.Bhaagyashri G.Sherkhane 2. Mrs.M.R.Bachawad	The International Journal of Engineering and Science (IJES),	Vol 4/issue 5/ 2015	2319-1805
5	Review On-Design of Load Filter for Medium Voltage Drive Used in Submersible	1.Arpit jain 2.Mrs.M.R.Bachawad	International Journal of Innovative Research in Science, Engineering	Vol4/issue 12/Dec20 15	2347-6710

	Pump		and Technology		
6	A Review on Mathematical Modelling of Solar, Wind and Hydro Pumped Energy Storage System	1.Neeraj Kumar Singh 2.Mrs.M.R.Bachawad	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	Vol 4/issue 12/Dec2015	2320-3765
7	Review: Reduction of Harmonic Losses in HVDC Converter Transformer	1.Jayesh U.Kothavade 2.Mrs.M.R.Bachawad	International Journal of Advanced Research in Electrical, Electronics & Instrumentation Engineering	Vol 4/issue 12/Dec2015	2320-3765
8	Implementation of AC Induction Motor Control Using Constant V/Hz Principle and Sine Wave PWM Technique with TMS320F28027	1.Ameya D Chaudhary 2.Mrs.M.R.Bachawad	International Journal on Research in Engineering and Technology	Vol 4/issue 12/Dec2015	2321-7308
9	Study on Topologies Multilevel Inverters	1.Mrs.M.R.Bachawad 2. MaskeAshadeep M	International Journal of Engineering and Techniques	Vol11/issue 6/Dec2015	2395-1303
10	Condition Monitoring Of induction motor with a Case study	1.Pravin P. Joshi 2.Mrs.M.R.Bachawad	International Journal of Electrical Engineering and Technology	Vol 6/Issue 6/June 2015	0976-6545

### **DIFFERENT PORTFOLIO HANDELED IN INSTITUTE AND DEPARTMENTAL LEVEL**

- Worked as Joint controller of Examination at Govt. college of Engineering, A'bad for year (An Autonomous Institute of Govt. of Maharashtra)
- Worked as warden at ladies hostel of Govt. college of Engineering, A'bad for three years working in various committees in First year admission process.
- Working as co-ordinator for P.4. in dept.
- Working in various committees in Post Graduation and UG admission (Part time) admission process.
- Working as departmental co-ordinator for monitoring centre for TEQIP
- Development Lab manuals for Electrical machines lab during NMA accreditation of the Electrical Engineering Department.
- Working as a committee member in women's grievance cell for institute
- Working as a co-ordinator for TNA/FDP for TEQIP

- Working as a Dept. co-ordinator (curriculum development cell)
- Working as a lab incharge for machine lab

**Manjusha R. Bachawad**