

Curriculum Vitae

1. Name: Dr. Nitin Ramesh Bhasme

2. Date of Birth : 30/05/1971

3. Office Address: Department of Electrical Engineering,
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4. Educational Background:

- Ph. D. (Electrical) from Dr. Babasaheb Ambedkar Marathwada University in August 2013
- M. E. (Power Systems) form Government College of Engineering with 70.06% (First division with distinction) in March 2003
- B. E. (Electrical) from Government College of Engineering, Aurangabad with 71.46% (First division with distinction) in June 1993

5. Area of Research Interests:

- Applications of Power Electronics, Electrical Drives
- Renewable Energy Systems
- Special Machines

6. Work Experience:

- Working as an Associate Professor in Government College of Engineering, Aurangabad since 1st September 1998 (Total: 21Years & 9Months)
- Worked as a Lecturer in Government Polytechnic from 16th October 1995 to 31st August 1998 (2 Years & 11 Months)
- Worked as a Lecturer in Government Engineering College, Karad from 26th November 1993 to 1st February 1995(1 Year & 2 Months)

Total Experience = 25 Years and 1Months

7. Professional Summary :

Sponsored projects	MODROB project on "Development of Electrical Drives" at GEC Karad, Total Cost: 14 Lakhs
Courses/STTP/ FDP attended	40 Weeks

Course/ STTP/FDP organized	<ul style="list-style-type: none"> • ISTE: 2 programs of 1 week each • TEQIP: 2 programs of 4 weeks for students • TEQIP: 4 programs of 13 days total • TEQIP : 1 program of 1 week • DTE : 1 program of 1 week
Student Guidance:	<ul style="list-style-type: none"> • B.E. Projects : 40 Groups • M.E. Projects : 30 • Ph.D. : 1 (ongoing under NDF)

8. Administrative responsibilities shared / positions held at GECA :

Handled several responsibilities in the Department of Technical Education and Government College of Engineering, Maharashtra State

- Worked as Vice-President of Alumni Association at Global Level during 2016-2019
- Secretary of Alumni Association of GECA at Global Level during 2011-15
- Training & Placement Officer and BOS Member in Academic Council during 2011-15 at Institute level
- Member of AICTE Inspection Committee at National level in the year 2015 and also during 2009-10 & 2007-08
- Subject Expert in Interview Panel for Recruitment of Teaching posts at Regional level during 2005-15
- State level first year admission, second year admission committee member at State and Institute level during 1998-2015
- Appointed as Enquiry committee member by DTE, RO-Aurangabad at State level and Regional level during 1998-2015
- Inspection work of Industries appointed by National Small Industries Corporation(NSIC)-India, Aurangabad at Regional level in the year 2014
- Industry Institute Interaction Coordinator for TEQIP Phase II at Institute Level during 2011-13
- Head of Electrical Engineering G. E. C. Karad at Department Level during 2010-11
- Prof-in-Charge of Student Association (EESA) at Department Level during 1998-2005
- Gymkhana Vice-president at Institute Level during 2000-01

9. Publication Summary:

- International Journals: 33
 - National Journals: 01
 - International Conferences: 05
 - National Conferences: 02
- Total: 41**

10. Membership of Professional Institutions/Organizations :

- Life Member of The Indian Society for Technical Education (LM 40345)
- Life Member of The Institution of Engineer (India) (M134484-0)
- Patron Member of Alumni Association of Government College of Engineering, Aurangabad (EE 1199302)

Training Programs Organized/Coordinated:

1. One week ISTE- New Delhi sponsored training program on “ Transformer Testing, Maintenance and Protection” during 22nd to 26th March 2004 at GEC, Aurangabad
2. One week ISTE- New Delhi sponsored training program on “ Applications of MATLAB in Electrical Engineering” during 16th to 20th August 2005 at GEC, Aurangabad
3. One week TEQIP sponsored training program on “ ETAP Software” during 26th to 30th June 2006 at KLG, Mumbai
4. One month TEQIP sponsored training program on “Spoken English and Communication Skills ” during 8th August to 7th September 2006 for students at GEC, Aurangabad
5. One month TEQIP sponsored training program on “Spoken English and Communication Skills ” during 7th September to 10th October 2007 for students at GEC, Aurangabad
6. 2 days TEQIP sponsored training program on “ MAGNET EM software” during 29th February to 1st March 2008 at GEC, Aurangabad
7. One week DTE-M.S. sponsored training program on “Role of Industry Institute Interaction & Alumni for Development of Technical Education ” during 11th to 15th March 2019 for students at GEC, Aurangabad
8. One week TEQIP sponsored National online training program on “Industrial Energy Audit” during 20th to 24th May 2020 for students at GEC, Aurangabad

List of Publications :

- 1) Dr. N. R. Bhasme, W. Z. Gandhare, “ Power quality of Wind power generation”, The institute of engineers(India) –Co-GEN 2006, 27th-29th January 2006, Nagpur

- 2) Dr. N. R. Bhasme, W. Z. Gandhare. “ Wind power generation Indian scenario and global perspective”, Indian Wind Energy association , New Delhi, 6-8th November , 2006
- 3) Kishore Badane, N. R. Bhasme, Archana Thosar “Harmonic Analysis of Domestic Inverter and its Mitigation” International Conference on Emerging Trends in engineering, ICETE 2010, February 2010, Jaisingpur, Maharashtra
- 4) S. R. Barahalikar and N.R. Bhasme, “New Approach for Measurement of Load Losses In Transformer”, *ZEST2K12*, March. 2012
- 5) N. S. Borade and N.R. Bhasme, “Application of Brushless DC Motor as a Portable Power Tool”, *ICEECS*, July. 2012
- 6) N. R. Bhasme and W. Z .Gandhare, “Power Converters For Grid Integration Of Wind Power Systems”, *IJERA*, vol. 2, Aug. 2012
- 7) Veena Walimbe, N. R. Bhasme ,”VHDL Implementation of PWM Technique for Generation of Switching Pulses” International Journal of Engineering Research and Technology(IJERT), Vol. 2, Issue 7, July 2013 ISSN:2278-0181
- 8) Atul Gajare, N. R. Bhasme ,”Control of Air Flow rate of Single Phase Induction Motor for Blower Application using V/F method” International Journal of Engineering Science and Emerging Technologies (IJESET) Vol. 6, Issue 1, August 2013 ISSN:2231-6604
- 9) N. R. Bhasme and S.G.Shah, “Design of Earthing System for 400 kV AC Substation: A Case Study”,*IJEE*,Jan 2014
- 10) N. R. Bhasme and Madhuresh Sontakke,“Topologies of Power Converters for LED Light Applications”, *IJAET*, vol. 5, March. 2014
- 11) S. G. Shah and N.R. Bhasme, “Design of Earthing System for HV/EHV AC Substation”, *IJAET*, Jan. 2014
- 12) Atul Gajare and N.R. Bhasme, “Performance Analysis of Operating Characteristics of Single Phase Induction Motor with Blower Application”, *IJAET*, Jan. 2014
- 13) N. R. Bhasme, Madhuresh Sontakke “Modeling and Simulation of Resonant Converter for Street Light Application” Journal -International Review of Automatic Control (IREACO). Vol. 7, Issue 5, September 2014 ISSN: 1974-6059
- 14) Veena Walimbe and N.R. Bhasme, “Speed Control of Induction Motor using VHDL Implementation of PWM techniques”, *IJEE*, vol. 7, Nov. 2014

- 15) N. R. Bhasme, Pranit Durge “Comparative Study of Electrical Motors for Ceiling Fan Application” International Journal of Electrical Engineering and Technology (IJEET), Vol. 6, Issue 5, May 2015 ISSN: 0976-6545
- 16) N. R. Bhasme, Bhushan Salokhe “Partial Discharge Measurement as a Diagnostic Tool for Current Transformer” International Journal of Advances in Engineering and Technology (IJAET), Vol. 8, Issue 3, May 2015 ISSN: 2231-1963
- 17) N. R. Bhasme, Bhushan Mandval “Technologies of Voltage Source Inverter for Domestic Induction Heating” International Journal of Scientific and Engineering Research(IJSER), Vol. 6, Issue 6, June 2015 ISSN: 2229-5518
- 18) Shashank Bhutada, Dr. N. R. Bhasme, “A Review on Multiphase System for High Power Industrial Applications”, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), Vol. 5, Issue 6, June 2016 ISSN: 2278 – 8875
- 19) Rahul Pawar, Dr. N. R. Bhasme, “Application of PLC’s for Automation of Processes in Industries”, Int. Journal of Engineering Research and Applications (IJERA), Vol. 6, Issue 6, (Part - 3) June 2016, pp.53-59 ISSN: 2248-9622
- 20) Rushikesh S. Shahakar, Dr. N. R. Bhasme, “Non-Adaptive Control Technique for Voltage Regulation with Distributed Energy Resources”, International Journal of Engineering Research and Development (IJERD), Volume 12, Issue 7 (July 2016), PP.22-28 ISSN: 2278-067X
- 21) S. H. Kalbande, Dr. N. R. Bhasme, “ Modeling and Simulation of 100/22 Kv transmission substation for energy audit”, International journal of electrical engineering, Volume 9, No.1, pp-35-44, ISSN 0974-2158.
- 22) Dipesh B. Pardeshi, Dr. N. R. Bhasme, “Modelling & Simulation of Grid Connected Biomass Power System”, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), Vol. 5, Issue 8, August 2016 ISSN: 2278 – 8875
- 23) Soham Deshpande, Dr. N. R. Bhasme, “ A review of topologies of inverters for grid connected PV system”, International conference on innovations in power and advanced computing technologies (i-PACT) 21 and 22 April 2017, VIT , Vellore
- 24) Sagar R. Misal, Dr. N. R. Bhasme, “A review of multi-switch BLDC motor drives ”, International conference on innovations in power and advanced computing technologies (i-PACT) 21 and 22 April 2017, VIT , Vellore
- 25) Kanika Chitnavis, Dr. N. R. Bhasme, “Modeling and Simulation for Critical Analysis of Power Transformer for Life Estimation in MATLAB”, International

- Journal of Electrical Engineering & Technology (IJEET), Volume 8, Issue 4, July-Aug 2017, pp. 1–10 ISSN: 0976-6545
- 26) Sagar R. Misal, Dr. N. R. Bhasme, “Modeling and simulation of BLDC motor drives for industrial applications”, International journal of electrical and electronics research (IJEER), Volume 7, Issue 4, August, 2017, pp- 83-94, ISSN(E):2278-943X
 - 27) Soham G. Deshpande, Dr. N. R. Bhasme, “ Modeling and simulation of micro inverter with flyback converter for grid connected system”, International journal of electrical and electronics research (IJEER), Volume 7, Issue 4, August, 2017, pp- 71-82, ISSN(E):2278-943X
 - 28) Kanika Chitnavis, Dr. N. R. Bhasme,” Review of critical analysis for life estimation of power transformer” International conference on power control and embedded systems, ICPCES , 2017, March 9-11,2017,MNIT, Allahabad.
 - 29) Dipali Kamthe, Dr.N.R.Bhasme, “Comparative Analysis between Air Insulated and Gas Insulated Substations- A Review”, International Journal of Electrical Engineering and Technology, ISSN Print 0976-6545 and ISSN Online 0976-6553. , pp. 24-32 Volume 9, Issue 4, July-August 2018
 - 30) Dipali Kamthe, Dr.N.R.Bhasme, “Modeling and Simulation of Air Insulated and Gas Insulated Substations”, International Journal of Electrical Engineering, ISSN 0974-2158, pp. 177-187, Volume 11, Number 2, 2018.
 - 31) Vinayak Mahajan, N. R. Bhasme, “A review of BLDC MOTOR for Elevator Application”, in International Journal of Electrical and Electronics Engineering Research (IJEER) ISSN (P): 2250-155X; ISSN (E): 2278-943X, Vol. 8, Issue 3, Aug 2018, 7-18.
 - 32) Kaushal Kakad, N.R.Bhasme, “A Review on Single Phase to Three Phase Power Converter”, International Journal of Electrical and Electronics Engineering Research, (IJEER) ISSN (ONLINE): 2278-943X; ISSN (PRINT): 2250-155X; VOL – 8, ISSUE- 3; AUG2018.
 - 33) Harshavardhan V. Bhavathankar, N. R. Bhasme, “Control of Three-Phase Shunt Active Power Filter (SAPF) by using Instantaneous Reactive Power Theory, “ International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering”, 2018 ISSN (PRINT): 2320-3765, ISSN(ONLINE): 2278-8875, VOL 7, ISSUE 8, AUG.2018.
 - 34) Pooja puse, Dr. N.R. Bhasme, “ A Review of Three Phase Inverters Used in Railway System”, International Journal of Electrical and Electronics Research

(IJEER) ISSN(ONLINE): 2348-6988 ,Vol. 7, Issue 3, pp: (1-9), July - September 2019.

- 35) Neha Dahate, Dr. N. R. Bhasme, “Review on MPPT Techniques used in PV System”, International Journal of Electrical Engineering and Technology(IJEET), ISSN Print 0976-6545 and ISSN Online 0976-6553. , pp. 22-30Volume 10, Issue 4, July-August 2019
 - 36) Sachin Kale, Dr. N. R. Bhasme, “DC-DC converters and its application for Railway System-A Review”, International Journal of Electrical Engineering and Technology (IJEET), ISSN Print 0976-6545 and ISSN Online 0976-6553. , pp. 13-21, Volume 10, Issue 4, July-August 2019
 - 37) Kirti Waghare, Dr. N. R. Bhasme, “Review of Islanding Detection Schemes for Distributed Generation System”, International Journal of Engineering Research And Development (IJERD), e- ISSN: 2278-067X, p-ISSN: 2278-800X, pp. 58-64, Volume 15, Issue 2, February 2019
 - 38) Kirti R. Waghare, N. R. Bhasme, “Islanding Detection of Distributed Generation In The Presence Of Fault Events With Critical Load And Non-Critical Load”, International Journal of Engineering and Advanced Technology (IJEAT),ISSN: 2249 – 8958, Volume-9 Issue-1, October 2019.
 - 39) Neha Sunil Dahate, N. R. Bhasme, “Enhancement of Transient State in MPPT Techniques for PV Grid Connected System”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8 Issue-4, November 2019
 - 40) Sachin V. Kale, N. R. Bhasme “DC Feeder Voltage Control Strategy of Bidirectional DC to DC converter for Railway Traction”, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-4, November 2019
 - 41) Pooja Puse, Dr. N.R. Bhasme, “Performance Analysis of Three phase Multilevel Inverter With SPWM Techniques Used in Railway System”, International Journal of Engineering and Advanced Technology (IJEAT), 2249-8958, Vol. 9, Issue 3, February 2020.
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