

ACADEMIC PROFILE
(2013 TO 2021)



1.Name in Full: RAVINDRA MADHUKAR NAFADE

2.Address : R.M.NAFADE
Lecturer in Mechanical Engg..
Government Polytechnic, NASHIK
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3. Date of Birth: 04 / 08 / 1967 **Age:** 54 Years **4. Nationality:** Indian

4. (a) EDUCATIONAL QUALIFICATIONS:

| Name of Examination | School/College | Board/University | Year of Passing | % of Marks | Class/ Div. |
|------------------------|---------------------------------|-------------------------------|-----------------|----------------------|--------------------------|
| S.S.C. | NEW ERA HIGH SCHOOL, KHAMGAON | SSC AND HSC EXAM BOARD NAGPUR | MARCH 1983 | 78.29 | I CLASS WITH DISTINCTION |
| DIPLOMA IN MECH. ENGG. | GOVERNMENT POLYTECHNIC KHAMGAON | MSBTE ,MUMBAI | MAY 1986 | 64.45 | I CLASS |
| B.E. (Mech.) | B.N.C.O.E. Pusad | AMRAVATI UNIVERSITY AMRAVATI | JULY 1989 | 67.53 | I CLASS |
| M.TECH.(EDU) | NITTTR BHOPAL | BARKATULLAH UNIVERSITY BHOPAL | JULY 1999 | CGPA 4.87 OUT OF 5.0 | I CLASS WITH HONOURS |

5. PRESENT EMPLOYMENT:

Designation: **Lecturer in Mechanical Engg**

Name and address of the Present employer:

PRINCIPAL, Government Polytechnic, Nashik (M.S.) PIN: 422 101

Date of joining: 19-07-2016

6. EXPERIENCE (PARTICULARS OF PREVIOUS APPOINTMENTS)

| Name of the Employer | Position held | Date of Joining | Date of Leaving | Reason of Leaving (Brief) | Scale of Pay (Rs.) |
|--------------------------------|----------------------|------------------------|------------------------|----------------------------------|--|
| B.N.COLLEGE OF ENGG.PUSAD | LECTURER MECH.ENGG | 07/08/1989 | 03/04/1992 | SELECTED BY MPSC AS LECTURER | 2200-75-2800-100-4000 |
| GOVERNMENT POLYTECHNIC JALGAON | LECTURER MECH.ENGG | 09/04/1992 | 29/07/2008 | Adm. Transfer to G P NASHIK | 2200-75-2800-100-4000 |
| GOVERNMENT POLYTECHNIC NASHIK | LECTURER MECH.ENGG | 05/08/2008 | 30/08/2014 | Adm. Transfer to G P JALGAON | 2200-75-2800-100-4000 |
| GOVERNMENT POLYTECHNIC JALGAON | LECTURER MECH.ENGG | 06/09/2014 | 18/07/2016 | Request Transfer to G P NASHIK | PB4 .37400-67000+AGP 9000 |
| GOVERNMENT POLYTECHNIC NASHIK | LECTURER MECH.ENGG | 19/07/2016 | TILL DATE | WORKING | 7 th Pay Commission 13A (131400-217100) |

7. b) Additional Charge Handled:

| Sr No | Experience as / Designation | From | To | Total Years |
|--------------|--------------------------------------|--------------------------|--------------------------|--------------------|
| 1 | I/c HOD ME GP Jalgaon | 14/06/2007 | 21/07/2008 | 01 |
| 2 | I/c HOD Auto Engg. GP Nashik | 01/12/2008 | 30/08/2014 | 06 |
| 3 | TPO ,G.P. Jalgaon | 01/01/2006 12/07/2007 | 18/07/2006 29/02/2008 | 01 |
| 4 | TPO, G.P.Nashik | 11/09/2017 | 30/06/2018 | 01 |
| 5 | Vice-president (Gymkhana) G.P.Nashik | 14/06/2011 | 26/08/2014 | 04 |
| 6 | IEDSSA Zonal Secretary, Zone E-2 | 14/06/2011 30/06/2018 | 26/08/2014 Till Date | 04 |
| 7 | Vice-president (Gymkhana) G.P.Nashik | 30/06/2018 | Till Date | - |
| 8 | Rector at G.P.Jalgaon | 02/01/1993 | 31/12/2005 | 12 |

Other Responsibilities Handled:

- Member of Canada India Institute Linkage Project CIILP IN 2003-05.
- Member of State Resource Group formed by MSBTE Mumbai for development of strategic plan for curriculum development in 2000
- Coordinator of Post Diploma in Refrigeration and Air conditioning at Government Polytechnic, Jalgaon 1992-1996
- Member of core committee of “I” scheme curriculum preparation for MSBTE.
- Participation in Preparation of the curriculum and question bank for YCMOU Nashik for the programme B.A. in Road Transportation.
- Developed E- Content(Learning Videos,PPT, Learning material) of the course Industrial Organisation for the I Scheme curriculum of MSBTE. (June-July 2020)

9. CURRENT AREAS OF INTEREST AND RESEARCH:**Areas of Interest:**

| | |
|----------|--|
| 1 | Refrigeration and Airconditioning. |
| 2 | Design, Errection and Maintenance of Refrigeration Plant. |
| 3 | Engineering Education Management, Human resource management (HRD) and Soft Skill Development. |

10. MEMBERSHIP OF PROFESSIONAL BODIES:

| Sr. No. | Name of the Body | Status of Membership (Life/Annual) |
|----------------|--|---|
| 1 | INDIAN SOCIETY TECHNICAL EDUCATION (ISTE) | LIFE MEMBER No.: LM 113400 |

5. TRAINING PROGRAMMES / WORKSHOPS ATTENDED

| S.N. | TITLE OF THE COURSE | DURATION | PERIOD | ORGANISED BY | ACTIVITY UNDER |
|-------------|----------------------------|-----------------|---------------|-------------------------|---------------------------|
|-------------|----------------------------|-----------------|---------------|-------------------------|---------------------------|

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|----|--|----------|--------------------------|---|-------------------|
| 1 | Emerging Trends in Tool Technology(Industry Based) | 02 Weeks | 18/05/1992 30/05/1992 | G.P.Rajkot. | I.S.T.E. |
| 2 | Productivity and Quality Control. | 02 weeks | 13/12/1993 24/12/1993 | Thaigrajar Polytechnic, Alagappanagar, Kerla. | I.S.T.E. |
| 4 | Refrigeration and Airconditioning | 01 week | 07/01/1994 11/01/1994 | I.I.T.Bombay | SPIU |
| 3 | Entrepreneurship Development | 02 weeks | 04/07/1994 16/07/1994 | C.W.I.T.Pune | I.S.T.E. |
| 5 | Induction Programme, Phase-1 | 04 weeks | 18/07/1994 12/08/1994 | G.P.Pune | SPIU,DTE |
| 6 | Induction Programme, Phase -II | 04 weeks | 16/01/1996 09/02/1996 | T.T.T.I.Ext. Pune | NITTTR, Bhopal |
| 7 | Refrigeration and Airconditioning | 08 week | 12/02/1996 08/04/1996 | I.I.T.New Delhi | NPIU |
| 8 | Introduction to Computer Operating Systems Utility | 02 weeks | 24/06/1996 06/07/1996 | G.P.Jalgaon | ISTE |
| 9 | Industrial Training Programme | 12 weeks | 21/04/1997 11/07/1997 | G.P.Mumbai | SPIU |
| 10 | Total Quality Management | 01 week | 02/08/1999 04/08/1999 | T.T.T.I.Ext. Pune | NITTTR, Bhopal |
| 11 | AUTOCAD 2000 | 02weeks | 02/07/2001 13/07/2001 | G.P.Amravati | AICTE/ISTE |
| 12 | Entrepreneurship Challenges and Prospects | 01 week | 06/08/2001 10/08/2001 | TTTI Bhopal | NITTTR, Bhopal |
| 13 | Advances in Refrigeration, Airconditioning &Cryogenics | 02 weeks | 23/06/2008 27/06/2008 | BNCOE,Pusad | AICTE/ISTE |
| 14 | Accounts and Administrative Training | 01 week | 03/08/2009 08/08/2009 | T.T.T.I.Ext. Pune | NITTTR, Bhopal |
| 15 | Programming with LabVIEW and MATLAB | 01 week | 01/02/2011 05/02/2011 | VIIT,Pune | AICTE/ISTE |
| 16 | Recent Trends in Automobile Engineering | 01 week | 28/02/2011 04/03/2011 | G.P.Nashik | AICTE/ISTE |
| 17 | Applications of Mechatronics in Automobile | 01 week | 03/01/2012 07/01/2012 | MSBTE, Mumabai | MSBTE, Mumabai |
| 18 | Motivation and Positive Thinking | 01 week | 27/02/2012 02/03/2012 | G P Nashik | NITTTR, Bhopal |
| 19 | Advances in Manufacturing Processes,Systems and Materials. | 01 week | 24/12/2012 28/12/2012 | G.P.Nashik | MSBTE, Mumabai |
| 20 | 3D CAD Modeling and FE Analysis | 01 week | 09/12/2013 13/12/2013 | G.P.Nashik | MSBTE, Mumabai |

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|--|--|----------|--------------------------|--|---------------------|
| 21 | Personality Development Through Positive Thinking. | 01 weeks | 03/03/2014 07/03/2014 | G P.Nashik | NITTTR, Bhopal |
| 22 | Disaster Management and Mitigation Techniques. | 01 week | 22/09/2014 26/09/2014 | G P.Nashik | NITTTR, Bhopal |
| 23 | Metrology and Quality Control | 01 week | 08/12/2014 12/12/2014 | KKWagh Poly.Nashik | MSBTE, Mumabai |
| 24 | Industrial Training Programme. | 01 week | 09/03/2016 11/03/2016 | Nashik Engg. Cluster Nashik | MSBTE, Mumabai |
| 25 | Theory and Practices of various Welding Processes. | 01 week | 05/12/2016 09/12/2016 | NITTTR, Kolkatta | NITTTR, Kolkatta |
| 26 | Development of Laboratory Instruction and Manual | 01 week | 04/06/2018 08/06/2018 | NITTTR, Kolkatta | NITTTR, Kolkatta |
| 27 | Accreditation of Engineering Program | 01 week | 02/07/2018 06/07/2018 | G.P. NASHIK | NITTTR, Bhopal |
| 28 | AICTE-ISTE approved online FDP on- Research and Publication Ethics | 01 week | 23/06/2020 03/07/2020 | Ram Meghe Institute of Tech. Badnera | AICTE-ISTE |
| 29 | AICTE-ISTE approved online FDP on- Estimating and Costing of Nonconventional Energies | 01 week | 10/08/2020 14/08/2020 | NITTTR, Kolkatta | NITTTR, Kolkatta |
| 30 | AICTE-ISTE approved online FDP on- Advancement in Renewable Energy. | 01 week | 17/03/2021 23/03/2021 | Govt.College of Engg. Nagpur | AICTE-ISTE |
| 31 | AICTE-ISTE approved online FDP on- Introduction to Moodle for Teaching and Learning Process. | 01 week | 05/04/2021 10/04/2021 | KK Wagh Poly. Nashik | AICTE-ISTE |
| Member of MSBTE I scheme curriculum Design committee | | | | | |
| 1 | Workshop on Orientation for Revision of Curriculum | 03 days | 30/09/2015 01/10/2015 | NITTR Ext. Centre Pune | NITTTR, Bhopal |
| 2 | MSBTE I scheme program structuring workshop | 03 days | 28/03/2016 30/03/2016 | NITTR Ext. Centre Pune | NITTTR, Bhopal |
| 3 | First Course Detailing Workshop For First Sem. | 03 days | 01/06/2016 03/06/2016 | NITTR Ext. Centre Pune | NITTTR, Bhopal |
| 4 | First Course Detailing Workshop For Second Sem. | 03 days | 30/08/2016 01/09/2016 | NITTR Ext. Centre Pune | NITTTR, Bhopal |

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| 5 | First Course Detailing Workshop For Third Sem. | 03 days | 08/11/2016 10/11/2016 | NITTR Ext. Centre Pune | NITTTR, Bhopal |
| 6 | MSBTE approved Diploma in Mechatronics Course Detailing | 03 days | 16/01/2020 18/01/2020 | KBP Poly Kopargaon | MSBTE |
| | MSBTE approved Diploma in Mechatronics Course Detailing | 03 days | 06/02/2020 08/02/2020 | KBP Poly Kopargaon | MSBTE |
| | MSBTE approved Diploma in Mechatronics Course Detailing | 03 days | 05/05/2020 07/05/2020 | KBP Poly Kopargaon | MSBTE |
| | MSBTE approved Diploma in Mechatronics Course Detailing | 03 days | 19/05/2021 21/05/2021 | KBP Poly Kopargaon | MSBTE |

6. ACHIEVEMENTS

| YEAR | ACHIEVEMENTS |
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| PATENTS REGISTERED | |
| 2014 | Purification and Use of Biogas as alternative fuel. (Patent Application Publication(21) Application No. 533/MUM/2014A) |
| PAPER READ/PUBLISHED IN NATIONAL CONFERENCES | |
| Dec.2002 | Paper titled “Thrust on Moral Values and Ethics”presented at S.S.G.M.C.O.E.SHEGAON |
| Feb.2005 | Paper titled “Changing Role of Teacher in Globalization”presented at Govt. College of Engg. Amravati |
| Dec.2010 | Paper titled “Opportunities for the Technical Education in Changing Scenario “, 40 th ISTE Convention and National Seminar at Mepco Engineering College, Sivakashi, Tamilnadu, December 13-15, 2010. |
| Dec.2011 | Paper titled “Ethics in Engg. Education for Value Education”. 41 st ISTE Convention and National Seminar at Baba Bandasingh Engineering College, Fatehgadsahib, Sirhind, Punjab, December 16-18, 2011 |
| Dec.2011 | Paper titled “Innovation in Educational Techniques- Multimedia”41 st ISTE Convention and National Seminar at Baba Bandasingh Engineering College, Fatehgad Sahib, Sirhind, Punjab, December 16-18, 2011. |
| Sept.2012 | Paper titled “Emission Reducer with Fuel Economizer”presented at Amrutvahini College of Engg. Sangamner. |
| Dec.2012 | Paper titled “Need for faculty Development Programme at various level” 42 nd ISTE Convention and National Seminar at Anurag Engineering College, Hyderabad,A.P, December 20-22, 2012 |
| Dec.2013 | Paper titled “Empowering Technical Education to Address Sustainability and Global Competitiveness”43 rd ISTE Convention and National Seminar at TatysahebKore Institute of Engineering & Technology, Warananagar, Kolhapur M.S, December 19-21, 2013. |
| Dec 2014 | Paper Titled on “Present scenario of Autonomous Institute in India”, 44 th ISTE Convention and National Seminar at College of Engineering, Trivendrum, Kerala, November 27-29, 2014. |
| Feb- 2015 | Paper Titled “ Challenges in Combustion Timing Control in HCCI Engine”, proceedings of |

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|--------------------------------|---|
| | 1 st National Conference on Mechanical Engineering: Emerging Trends for Sustainability held at Government Polytechnic, Nagpur February, 27-28, 2015 |
| Feb.2016 | Paper Titled on “Competency gap of Indian Engineers- some measures to minimize the competency gap.”, 45 th ISTE Convention and International Conference at HVPM College of Engg and Tech. Amravati, 09-11-January 2016 |
| Feb.2017 | Paper Titled on “HCCI Technology shows Efficiency without Pollution.”, 46 th ISTE Convention and National Conference at Gulzar Group of Institution Ludhiana, 10-12 February 2017. |
| Jan 2018 | Paper Titled on “ Designing of Outcome based Curriculum- MSBTE “I” Scheme Curriculum a Review” at 47 th ISTE National Convention at Saintgits College of Engg. Kottayam, Kerala , 27-29 January 2018. |
| Jan 2018 | Paper Titled on “ Teaching Learning Process – Using Multimedia” at 47 th ISTE National Convention at Saintgits College of Engg. Kottayam, Kerala , 27-29 January 2018. |
| Books Published | |
| 1999 | Text Book For Diploma on “Refrigeration and Air-conditioning” |
| 2000 | Text Book For Diploma on “Basics of Automobile Engineering.” |
| Expert Lecture | |
| 2014 | Expert Lecture to Diploma students through Virtual Learning Classroom telecasted from YCMOU Nashik Studio throughout Maharashtra state(Two times in a year) |
| Feb.2018 | Expert Lecture on “Advances in Refrigeration and Airconditioning” organised by K.B.P.Polytechnic, Kopergaon During 5-9 Feb 2018 in State Level MSBTE sponsored one week FDTP for Polytechnic Teachers. |
| Expert Faculty(Trainer) | |
| 2011-17 | <ul style="list-style-type: none"> • Trainer for Induction Phase-I Training for Teaching staff • Trainer for Induction Phase II Training for Teaching staff • Trainer for Model Question Paper Setting Training for Teaching staff • Trainer for Development of Soft Skill Training for Teaching staff • Trainer in Personality Development • Trainer for orientation program of MSBTE I Scheme curriculum development. For the NITTTR, BHOPAL and MSBTE, |

Convener, coordinator of Faculty Development Training programmes / STTP / seminars / workshops organized-

| Sr No | Title | Place | Period |
|-------|---|----------------------------------|------------------|
| 1 | Coordinator of State level MSBTE sponsored Students Technical Paper Presentation competition “Yantravishkar-2009” | Government Polytechnic, Nashik,. | January 29, 2009 |

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| 2 | Coordinator of Two Days state level workshop on “Road Safety & Traffic management” for final year diploma in Automobile students” organized in association with RTO Office, Nashik | Government Polytechnic, Nashik | Sept-24-26, 2009 |
| 3 | Coordinator of Two Days state level workshop on “Mechatronics in Automobile”, organized in association with Mahindra & Mahindra Ltd, Nashik and Daimler Chrysler India Ltd, Pune | Government Polytechnic, Nashik. | January 20-21,2011 |
| 4 | Convener of AICTE-ISTE National level one week Short term Training programme on “Advances in Automobile Engineering” | Government Polytechnic, Nashik | February,28-March04,2011 |
| 5 | Coordinator of Two Days state level workshop on “ Pollution control & Energy Conservation in Automobile” for final year diploma students of Automobile Engg. in association with , PCRA, Mumbai, | Government Polytechnic, Nashik | June 9-10, 2011 |
| 6 | Coordinator of one week state level Maharashtra State Board of technical education (MSBTE), Mumbai sponsored Content Updating Programme on “Mechatronics in Automobile” , | Government Polytechnic, Nashik | January 03-07, 2012 |
| 7 | Coordinator of State level MSBTE sponsord “Technical Paper Presentation Competition” for Students. | Government Polytechnic, Jalgaon | February 15 ,2015 |
| 8 | Coordinator of Maharashtra State Board of technical education (MSBTE), Mumbai sponsored Content Updating Programme on “Emerging Trends in Refrigeration and Airconditioning” | Government Polytechnic, Nashik | January 09-13 ,2017 |
| 9 | Coordinator of Maharashtra State Board of technical education (MSBTE), Mumbai sponsored One day workshop on “Mind Spark” for Polytechnic Teachers. | Government Polytechnic, Nashik | March 01, 2017 |
| 10 | Coordinator of Maharashtra State Board of technical education (MSBTE), Mumbai sponsored One day Orientation Program | Government Polytechnic, Nashik | June 19, 2017 |

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| | On “I “ Scheme of curriculum of MSBTE for Polytechnic Teachers | | |
| 11 | Coordinator of DTE , Mumbai sponsored One week STTP on “Research Methodology and Optimisation Techniques” organised for Polytechnic Teachers at G P Nashik during | Government Polytechnic, Nashik | January 09-13 ,2018 |
| 12 | Coordinator of NITTTR Bhopal sponsored One week STTP on “Accreditation of Engineering Program ” for Polytechnic Teachers | Government Polytechnic, Nashik | Jully 02-06, 2018. |
| 13 | Coordinator of Maharashtra State Board of technical education (MSBTE), Mumbai sponsored state level Technical Paper presentation for students. | Government Polytechnic, Nashik | September 24 , 2019 |

Contribution in system and social development:

- Organized Entrepreneurship Development Programmes in association with Rotary Club of Midtown Jalgaon in 1994-99 every year.
- Organized PUC Checkup camp for public on the occasion of Road Safety Week (1st January to 7th January) at Bus stand square Jalgaon in association with RTO Jalgaon
- In charge Workshop supdt. and Central store officer during June.1995 to August1996
- Officer Incharge for Distribution and Collection MSBTE exam for 12 times(summer and winter)
- Officer Incharge for Regional Assessment centre MSBTE for 3 times.
- Member of Organising team of ISTE winter school in 1994
- Worked as Expert Faculty, Trainer in field of phase I&II , Soft Skill, EDP, Question Paper Setting, Guidance and counseling , Career Guidance.
- More than 10 programmes were conducted for different institutes in rural and urban area for soft Skill Development and Career guidance
- Worked as member of Evaluation Committee, Quality assurance committee, Govt. Write off committee etc. at Government Polytechnic, Nashik
- Worked as member of Interview panel for the appointment of contract basis lecturers at state level.
- Organized 2 National and 4 State Level training programmes for faculties and students of Polytechnics .
- Worked as Officer Incharge for Local Assessment centre for 4 times/Chairman Question Paper moderation committee (03 times)

- Worked on different committees of DTE,RO and MSBTE as chairman and member like AICTE Continuation, Opening and Closure of institutes, Merit list verification ,Academic Monitoring, MBA/MCA Exams, Equipment Scrutiny etc
- In charge Head of Automobile Engineering Department in 2008-2013. Shifted the department in new building premises. Established the 5 labs of Automobile Engg, computer lab, advance AUTOCADD centre, class rooms, drawing hall etc. Established the administrative procedure and set the culture of deptt. Due to special effort a Hundai Motors donated the New Brand i10 car to department for the study purpose .
- Worked as an expert faculty and conducted Orientation Programs on “I” scheme in 08 different Government Polytechnics in Maharashtra, covering all polytechnics of 12 Districts of RBTE Aurangabad.