





Accredited by NAAC with "A+" Grade

Department of Mechanical Engineering Faculty Profile

Prof.(Dr) Mangesh R. Phate

PhD (Mechanical Engineering) Professor & Head

mrphate@aissmscoe.com mangeshphate03@gmail.com mech.hod@aissmscoe.com



(020) 26058587; Extn: 1813

https://scholar.google.co.in/citations?user=aeKnj04AAAAJ&hl=en

https://www.scopus.com/authid/detail.uri?authorId=56660634500

ResearchAreas/ Areas of Interest

Manufacturing, Composite material, Bio-dynamics

Personal Details

Date of Birth: 03 / 06 / 1980 **Domicile:** Maharashtra

Blood Group: O+ve Gender: Male

Contact Details: E-602, Daulatnagar Phase II, Near Sinhgad Road police Station,

Suncity Road, Vadgon (Bk), Pune - 411051

Academic Background S. Qualification **Specialization** University Class/Grade **Year of Passing** N0. Ph.D. 1 Mechanical RTM, Awarded April 2015 Engineering Nagpur 2 Dec 2005 M.Tech. Production RTM, Ist with Distinction Engg Nagpur (Gold medalist)

| 3 | M.B.A | Human | YCMOU | Įs. | May 2008 |
|---|-------|-------------|----------|-----|----------|
| | 1 | December 9 | | | |
| | | Resources & | | | |
| | | Management | | | |
| 4 | B.E. | Mechanical | Amravati | Ist | June2002 |
| | | Engineering | | | |

Work Experience

| S. No. | Type of Experience | Years | Months |
|--------|--------------------|-------|--------|
| 1 | Teaching | 20 | 01 |
| 2 | Research | 00 | 00 |
| 3 | Industry | 1 | 1 |
| 4. | Others | | |
| | Total | 21 | 1 |

Subjects/Courses Taught

| S. | Subject | UG/PG | Class | No of times |
|-----|-------------------------|-------|--------------------|----------------|
| No. | | | (FE/SE/TE/BE/ME) | Subject Taught |
| 1 | Design of Machine | UG | TE (Mechanical) | 05 |
| | Elements - I & II | | | |
| 2 | Mechanical System | UG | BE (Mechanical) | 05 |
| | Design | | | |
| 3 | Operation Research | UG | BE (Mechanical and | 10 |
| | | | SW) | |
| 3 | Research Methodology | PG | FYME (Mechanical) | 02 |
| 4 | Optimization Techniques | PG | SYME (Mechanical) | 07 |

Research Publications

| | National | International | State | SCI/ Scopus Indexed | UGC Approved |
|-------------|----------|---------------|-------|---------------------------|-----------------|
| Journals | 05 | 75 | 03 | 27 | 15 |
| Conferences | 04 | 07 | | 01 | |

Publication Details (Journals) Scopus, WoS & SCI

| S. | Decument Details | Authoro | Voor | Source | ISBN/ | Dublisher |
|----|-----------------------|----------------|------|--------------|---------------|------------|
| No | Document Details | Authors | Year | Details | ISSN | Publisher |
| 1. | Modeling and | Mangesh Phate, | 2019 | Engineering | ISSN | Elsevier |
| | prediction of WEDM | Shraddha | | Science & | 2215- | |
| | performance | Toney | | Technology, | 0986 | |
| | parameters for | | | An Int. | | |
| | Al/SiCp MMC using | | | Journal, 22 | | |
| | dimensional | | | (2), 468-476 | | |
| | analysis and | | | | | |
| | artificial neural | | | | | |
| | network | | | | | |
| 2. | Prediction And | Mangesh Phate, | 2020 | Heliyon, 6 | ISSN | Elsevier |
| | Optimization Of Tool | Shraddha | | (10), 1-10 | 2405- 8440 | |
| | Wear Rate During | Toney & Vikas | | | 0440 | |
| | Electric Discharge | Phate | | | | |
| | Machining Of | | | | | |
| | Al/Cu/Ni Alloy Using | | | | | |
| | Adaptive Neuro- | | | | | |
| | Fuzzy Inference | | | | | |
| | System | | | | | |
| 3. | Response Surface | Mangesh Phate, | 2021 | Australian | 1448- | Taylor and |
| | Modelling and | Shraddha | | Journal of | 4846 | Francis |
| | Effective Application | Toney & Vikas | | Mechanical | | |
| | of Adaptive Neuro- | Phate | | Engineering | | |
| | Fuzzy Inference | | | | | |
| | System to Analyze | | | | | |
| | Surface Roughness | | | | | |
| | of Al/Gr/Cp5 MMC | | | | | |
| 4. | Modeling and | Mangesh Phate, | 2020 | Australian | 1448- | Taylor and |

| | Investigating the | Shraddha | | Journal of | 4846 | Francis |
|----|----------------------------------|----------------|------|----------------------------|-------|----------|
| | Impact of EDM | Toney & Vikas | | Mechanical | | |
| | Parameters on | Phate | | Engineering | | |
| | Surface | | | | | |
| | Roughness in EDM | | | | | |
| | of Al/Cu/Ni Alloy | | | | | |
| 5. | Analysis of | Mangesh Phate, | 2019 | Modelling | 1687- | Hindawi |
| | Machining | Shraddha | | and | 5591 | |
| | Parameters in | Toney & Vikas | | Simulation in | | |
| | WEDM of Al/SiCp20 | Phate | | Engineering | | |
| | MMC Using Taguchi | | | 2019 | | |
| | based Grey-fuzzy | | | | | |
| | Approach | | | | | |
| 6. | Analysis of Seat to | Mangesh Phate, | 2022 | Institution of | 2250- | Springer |
| | Head | Prateek | | Engineers, | 0545 | |
| | Transmissibility of | Gaikwad, | | India Series | | |
| | the Seated Human | Shraddha | | C, 103(4), | | |
| | Body using Artificial | Toney | | 557-571 | | |
| | Neural Network | | | | | |
| 7. | Multi-response | Mangesh Phate, | 2022 | Journal of | 1823- | J MEch |
| | Optimization and | Shraddha | | mechanical Engineering, | 5514 | |
| | Analysis of Al/B ₄ Cp | Toney & Vikas | | 19(1) PP: | | |
| | MMC EDM using | Phate | | 39-55 | | |
| | Grey Relational | | | | | |
| | Analysis | | | | | |
| 8. | Multi-response | Mangesh Phate, | 2022 | Springer. | 2250- | Springer |
| | Optimization of | Shraddha | | Institution of Engineers, | 0545 | |
| | Al/GrCp10 MMC | Toney & Vikas | | India Series | | |
| | performance in | Phate | | D Vol. 103 | | |
| | WEDM using | | | (Issue 1) PP: 249- 261 | | |
| | integrated TOPSIS- | | | 2 4 3-201 | | |

| | ANFIS approach | | | | | |
|-----|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|------|--------------------------------------------------------------------------------------------------------|-----------------|----------|
| 9. | Comparative Analysis of Abrasive Wear using Response Surface Method and Artificial Neural Network | D Y Dhande & Mangesh Phate | 2021 | Springer. Institution of Engineers, India Series D, 102(1), PP: 27-37 | 2250- 2130 | Springer |
| 10 | Multi-Parametric Optimization Of WEDM Using Artificial Neural Network (ANN) Based PCA For Al/SiCp MMC. | Mangesh Phate, Shraddha Toney & Vikas Phate | 2021 | Springer. Institution of Engineers, India Series C Vol. 102 (Issue 1) PP: 169- 181 | 2250- 0545 | Springer |
| 11 | Exploring Biodynamic Response (Apparent Masses) of a Seated Human Body Exposed To External Excitation in Vertical Direction | Mangesh Phate & PrateekGaikwad | 2018 | Int. Journal of Industrial Engg. & Prod.Res, Vol. 29/Issue 4 [2018] PP: 415 - 428 | 2008- 4889 | |
| 12. | Modeling and Critical analysis of Material Removal Rate in WEDM of Oil Hardening Non Shrinking Die Steel (OHNS). | Mangesh Phate, Shraddha Toney & Vikas Phate | 2020 | Engineering and Applied Science Research, Vol 47, No 3 [2020] PP:264-274 | [2539- 6161] | |
| 13. | Optimization Performance Parameters of OHNS Die Steel | Mangesh Phate, Shraddha Toney & Vikas Phate | 2019 | Int. Journal of Industrial Engg. & Prod.Res, Vol. 30/Issue | 2008- 4889 | |

| | | | | 4 | | |
|-----|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|------|-----------------------------------------------------------------------------------------------|---------------|--------------|
| | using Dimensional | | | 1 PP: 11-23 | | |
| | Analysis Integrated | | | PP. 11-23 | | |
| | with Desirability | | | | | |
| | Function | | | | | |
| 14. | Investigation on the | Mangesh Phate, | 2019 | Int. Journal | 2008- | |
| | Impact of Silicon | Shraddha | | of Industrial | 4889 | |
| | Carbide and | Toney & Vikas | | Engg. & | | |
| | Process Parameters | Phate | | Prod.Res, | | |
| | on Wire Cut-EDM of | | | 31(2) PP : | | |
| | Al/SiCp MMC. | | | 177-187 | | |
| 15. | Optimistic | Mangesh Phate, | 2021 | Int. Journal | 2008- | |
| | Implementation of | Shraddha | | of Industrial | 4889 | |
| | Supply Chain | Toney & Vikas | | Engg. & | | |
| | Management in | Phate | | Prod.Res, | | |
| | Small & Medium | | | Vol 32, No 1 | | |
| | Enterprise: | | | (2021), | | |
| | Approach using | | | PP :65-77 | | |
| | Grey Relational | | | | | |
| | Analysis (GRA) | | | | | |
| 16 | Analysis of Seat to Head Transmissibility of the Seated Human Body using Artificial Neural Network | Mangesh Phate, Shraddha Toney & Vikas Phate | 2022 | - I - O | 2250- 0545 | Springer |
| 17 | Evaluation of Human Seated Posture Exposes to Low Frequency Vibrations using Biodynamic Model | Mangesh Phate, Shraddha Toney & Vikas Phate | | Inderscience, International Journal of Vehicle Safety Vol. 12/ No 3 / 4 (2023) | 3113] | Inderscience |
| 18 | Design, Development and Performance Analysis of Portable Solar Scheffler Reflector Water Heater (SRWH) | Mangesh Phate, Shraddha Toney & Vikas Phate | 2023 | Vol 73,Issue No 2 Dec 2023, PP : 91-103 | | Inderscience |

| | Mangesh Phate & Mangesh Mote | International Journal on Interactive Design and Manufacturing (IJIDeM) | Springer |
|--|-----------------------------------|---------------------------------------------------------------------------------------|---------------|
| | Mangesh Phate & Shraddha Toney | Int. J. of Machining and Machinability of Materials 04/08/2025 27(3) 2025 PP: 257-270 | Inder science |

Publication Details (Conferences)

| S. | Document | Authors | Year | Conference | ISBN | Organised |
|----|----------------|------------------------------|-------------------|-------------------|------|-----------|
| No | Details | Addiois | i c ai | Details | | by |
| 1. | Application of | Mr. Sunil Dambhare, Dr. | 2015 | 8th International | 206 | ISDSI |
| | TOPSIS for | S.J.Deshmukh, Dr. Atul | | ISDSI | | |
| | Selection of | Borade, Dr. Abhijit Digalwar | | Conference | | |
| | Machining | and Mr. Mangesh Phate | | 2015 | | |
| | Parameters | | | Pune,India | | |
| | from | | | during 2-4 | | |
| | Environmental | | | January 2015 | | |
| | | | | | | |
| | Impact | | | | | |
| | Prospective | | | | | |

| 2. | Sustainability | Mr. Sunil Dambhare, Dr. | 2014 | 12 th Global | 2212- | Procedia |
|----|-----------------|------------------------------|------|-------------------------|-------|-------------|
| | Issues in | Samir Deshmukh, Dr. Atul | | International | 8271 | CIRP, |
| | Turning | Borade, Dr. Abhijit Digalwar | | Conference on | | Volume |
| | Process: A | and Mr. Mangesh Phate | | Sustainable | | 26, Page |
| | Study in Indian | | | Manufacturing- | | 379-384., |
| | Machining | | | Emerginh | | Johor |
| | Industry | | | Potentials 2014 | | Bahru, |
| | | | | | | Malaysia |
| 3. | A review and | Mr. M.R.Phate , | 2012 | A national | | Datta |
| | suggested | Dr.V.H.Tatwawadi,J.P.Modak | | conference on | | Meghe |
| | approach to | and S.G.Dambhare | | innovative | | Institute e |
| | design a field | | | trends for | | of |
| | data based | | | technology | | Engineeri |
| | model for the | | | developments | | ng and |
| | machining | | | (Technocon- | | Research |
| | process | | | 2012) | | , Wardha. |
| | | | | | | |
| 4. | Α | Mr. M.R.Phate, | 2012 | A national | | Chameli |
| | Sustainability | Dr.V.H.Tatwawadi,J.P.Modak | | conference on | | Devi |
| | analysis in the | and S.G.Dambhare | | intelligent | | group of |
| | Indian | | | systems(NCIS- | | institution |
| | Machining | | | 2012), | | (CDGI),C |
| | Industry"A | | | NCIS/2012/117, | | heameli |
| | national | | | | | Devi |
| | conference on | | | | | School of |
| | intelligent | | | | | Engineeri |
| | systems(NCIS- | | | | | ng |
| | 2012) | | | | | ,Indore |
| | | | | | | |

PhD / ME / BE Student Guided for Project

| Level | Ph.D. | M.E. (PG) | B.E. (UG) |
|-----------------------|-------|-----------|-----------|
| No. of Student guided | - | 20 | 32 |

Professional Memberships

| Professional Body | Level (National/ International) | Type (Fellow/Life/Annual) | Membership No. |
|---------------------------------------------------|----------------------------------------|------------------------------|-------------------|
| Indian Society for Technical Education (ISTE) | National | Life | LM47428 |
| Solar Energy Society of India (SESI) | National | Life | LM/2559/2021 |
| Society of Automotive Engineers INDIA (SAE INDIA) | National | Annual | 7220510072 |

Patents/IPR Filed/Granted

| S. No | Investigator Details | Title | Year | Status (Filed/Granted) | Details |
|----------|-------------------------|------------------|------|---------------------------|-----------------|
| Pate | ent | | | | |
| | Mangesh | A Hybrid Powered | | | Application No: |
| | Ravindra | Mixed Garbage | | | 2879/MUM/2014 |
| 1 | Phate | Disposal And | 2014 | Published | |
| | | Converter Unit | | | |
| | | | | | |

| Cop | Copyrights | | | | |
|-----|------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------|------------|-----------------|
| 2 | Mangesh Ravindra Phate | Formulation of Experimental Data Based Model for the Machining Process using Dimensional Analysis Approach. | 07/02 /2019 | Registered | 17759/2018-CO/L |
| 2 | Mangesh Ravindra Phate | Critical Analysis of novel fabricated Al/SiC/B4C Metal Matrix Composites Machining Performance. | 24/04 /2019 | Registered | 2254/2019-CO/L |
| 3 | Mangesh Ravindra Phate | Analysis of 6-DOF Human Biodynamic Model for Seated Human Posture Using Artificial Neural Network. | 14/05 /2019 | Registered | 3963/2019-CO/L |
| 4 | Mangesh Ravindra Phate | Formulation Of Experimental Data Based Model For The Machining Process Using Artificial Neural network. | 10/09 /2019 | Registered | 14307/2019-CO/L |
| 5 | Mangesh Ravindra Phate | Formulation Of Experimental Data Based Model For The Machining Process Using Higher Degree Response Surface Method. | 18/12 /2019 | Registered | 20317/2019-CO/L |
| 6 | Mangesh Ravindra Phate | Easy and Efficient CO-PO/PSO Mapping Process for University Affiliated Engineering Institutes. | 15/02 /2021 | Registered | 21661/2020-CO/L |

Books Published

| S. | Title | Name of the | ISBN/ISSN |
|----|----------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------|
| No | | Publisher | Number |
| 1 | Field Data Based Model (FDBM): A Heuristic Approach Of Research | Lambert Academic Publishing Germany | 978-3-659- 60804-9 |
| 2 | Analysis Of Scheffler Reflector Perofrmance By Response Surface Method- Application For Electricity Generation | Lambert Academic Publishing Germany | 978-3-659- 78563-4 |
| 3 | Analysis Of Scheffler Reflector Perofrmance By Response Surface Method- Application For Electricity Generation | Lambert Academic Publishing Germany | 978-613-9- 99228-7 |
| 4 | Fabrication Of Solar Controlled Temperature Dryer | Lambert Academic Publishing Germany | 978-613-9- 99230-0 |
| 5 | Operation Research -Elective II (Savitribai Phule Pune University) | Sharp (Success) Publication | 978-93-24457- 08-2 |
| 6 | Experimental data based model formulation for engine assembly process-Model for Engine Assembly | Lambert Academic Publishing Germany | 978-613-9- 99228-7 |
| 7 | Critical Analysis Of Covid-19 Global Pandemic: Part I | Lambert Academic Publishing Germany | 978-620-4- 19931-3 |

Research Grants Received

| S. | Program | Duration | Funding | Grant Amount |
|----|-----------------------------------------------------------------------------------|---------------|------------|--------------|
| No | | | Agency | |
| 1. | AICTE-ISTE Sponsored | 8/12/2021 to | AICTE-ISTE | 93,000/- |
| | One week (6 days) online Induction/Refresher Program on "Advances in Engineering" | 14/12/2021 | | |
| 2. | Savitribai Phule Pune | 17/02/2020 to | SPPU Pune | 2,00,000/- |
| | university Sponsored under QIP an International | 18/02/2020 | | |
| | Conference on | | | |
| | "Mechanical Engineering | | | |
| | for Sustainable Development -2020" | | | |

Details of Worshop/STTP/FDP/Seminar / Conferences Organized

| S. | Title | Туре | Duration | Level | Sponsoring |
|----|-----------------------|------------|--------------|------------------|------------|
| No | | | | (State/National/ | Agency |
| | | | | International) | |
| 01 | AICTE-ISTE | Induction/ | 8/12/2021 to | National | AICTE-ISTE |
| | Sponsored One week | Refresher | 14/12/2021 | | |
| | (6 days) online | Program | | | |
| | Induction/Refresher | | | | |
| | Program on "Advances | | | | |
| | in Engineering" | | | | |
| 02 | Savitribai Phule Pune | Internatio | 17/02/2020 | International | SPPU |
| | university Sponsored | nal | & | | |
| | under QIP an | Conferen | 18/02/2020 | | |
| | International | се | | | |
| | Conference on | | | | |
| | "Mechanical | | | | |
| | Engineering for | | | | |
| | Sustainable | | | | |
| | Development -2020" | | | | |

Contribution as Resource Person

| S. No. | Place/ Organization | Topic | Level(National/Int/ State/Regional) | Date |
|-----------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------|
| 1. | Department of Mechanical Engineering, Yeshwantrao Chavan College of Engineering (YCCE), Nagpur, Maharashtra, India. | Session Chair in International conference on "Recent Advances in Materials, Manufacturing and Machine Learning(RAMMML- 2022)" | Recent Advances in Materials, Manufacturing and Machine Learning (RAMMML-2022) on 26 &27 April 2022 | 27/07/2022 |
| 2. | Zeal College of Engineering & | Expert Session on "NBA Attributes for | Scope of the Design of Machine Elements | 21/03/2022 |

| | Research, Pune | the students" @ Zeal College of Engineering & Research, Pune | with Real time Applications and Opportunities in the Industry Approach) on 21/03/2022 | |
|----|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 3. | Zeal College of Engineering & Research, Pune | Expert Session on "Scope of the Design of Machine Elements with Real time Applications and Opportunities in the Industry" @ Zeal College of Engineering & Research, Pune | Scope of the Design of Machine Elements with Real time Applications and Opportunities in the Industry Approach) on 22/01/2022 | 22/01/2022 |
| 4. | Zeal College of Engineering & Research, Pune | Expert Session on "Research Scope for Engineering Students" @ Zeal College of Engineering & Research, Pune | Scope of the Design of Machine Elements with Real time Applications and Opportunities in the Industry Approach) on 11/09/2021 | 11/09/2021 |
| 5. | AISSMS, Pune | Five Days Faculty Development Program on "Software Based Case Studies for Development of Multidisciplinary Projects" Under AISSMSCOE"s Faculty Development Cell | Experimental Data Based Model(EDBM):-(An Effective Research Approach) on 26/11/2021 | 26/11/202/ |
| 6. | AISMSCOE, Pune | One week online AICTE-ISTE approved Induction/Refresher Program on "Advances in Engineering" | Use of soft computing in various Engineering application on 14/12/2021 | 14/12/2021 |

Details of Worshop/STTP/FDP/Conferences Attended

| S. N | Title | Туре | Duration | Organizer | Sponsoring Agency |
|---------|----------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------|
| 1 | MOE"s IIC and AICTE sponsored Impact Lecturer on "Intellectual Property Rights" | Seminar | 30/07/2022 | Pimpri Chinchwad College of Engineering and Research, Ravet, Pune | MOE"s IIC and AICTE |
| 2 | One day Online industrial training on "Scientific Publishing- manuscript preparation and peer review" | Training | 26/07/2022 | Mech Aero Foundation ,Chennai, India | Mech Aero Foundation |
| 3 | Workshop/Training on national IP awareness mission (NIPAM), Government of India, New Delhi (AISSMSCOE, Pune) | Workshop /Training | 09 March 2022 | IPR office Government of India New Delhi | IPR office Government of India New Delhi |
| 4 | Workshop/Training on national IP awareness mission (NIPAM), Government of India, New Delhi(Gov. Poly Amravati) | Workshop /Training | 29 Jan 2022 | IPR office Government of India New Delhi | IPR office Government of India New Delhi |
| 5 | AICTE-ISTE approved one Week STTP on "Advances in Engineering " | STTP | 08 th Dec 2021-14 th Dec 2021 | AISSMSCOE, Pune, Maharashtra, India | AICTE_ISTE |
| 6 | AICTE-ISTE approved one Week STTP on "Creative and innovative Approaches for Teaching and Learning " | STTP | 04 th Oct 2021- 8 th Oct 2021 | Dr. Rajendra Gode Institute of Technology and Research , Amravati | AICTE_ISTE |
| 7 | AICTE-ISTE approved one Week STTP on "Techniques for developing creativity and innovation among students" | STTP | 24 th May 2021- 28 th May 2021 | Dr. Rajendra Gode Institute of Technology and Research , Amravati | AICTE_ISTE |
| 8 | NPTEL-Swayam-AICTE Approved FDP [1.5 Week] -Mathematical Modeling Of Manufacturing Processes | FDP | Jan -June 2019 [1.5 week] | IIT Madras (NPTEL/Swayam- AICTE) | AICTE |
| 9 | NPTEL-Swayam-AICTE Approved FDP [1 Week] -Mechanics of Machining | FDP | Jan -June 2019 [1 week] | IIT Guwawati (NPTEL/Swayam- AICTE) | AICTE |
| 10 | NPTEL-Swayam-AICTE Approved FDP [1.5 Week] -NBA Accreditation and Teaching-Learning in | FDP | July-Dec 2020 [1.5 week] | IISC Bangalore (NPTEL/Swayam- AICTE) | AICTE |

| | Engineering (NATE) | | | | |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| 11 | NITTR Kolkata approved one Week FDP on "Problem Based Learning" [1 Week] | FDP | 02/12/2019 to 06/12/2019 [1 week] | (NITTR Kolkatta &SITS) | NITTR |
| 12 | IIT Bombay Spoken Tutorial +MHRD Gov of India approved one Week FDP on "R programming Language" | FDP | 29/04/2020 to 02/05/2020 [1 week] | IIT Bombay Spoken Tutorial +MHRD Gov of India | IIT bombay |
| 13 | One Week FDP on "Research Methodology Tools and Techniques" | FDP | 29-05-2020 - 02-06-2020 [1 week] | Priyadarshini College of Engineering, Nagpur | AICTE |
| 14 | AISSMSCOE NBA and Teaching Learning | FDP | 02/06/2020- 06/06/2020 [1 week] | AISSMSCOE, Pune | AISSMSCOE, Pune |
| 15 | Two days online Workshop on "Multi Criteria Decision making (MCDM) Optimization Techniques using MS Excel", | Work shop | 09/06/2020 & 10/06/2020 [2 days] | Sanjivani College of Engineering, Kopargaon, Ahmednagar | Sanjivani College of Engineering, Kopargaon, Ahmednagar |
| 16 | AICTE sponsored One Week (6 DAYS) Online Short Term Training Program (STTP) on "Recent Advances in Materials and Manufacturing: Part I" during | STTP | 03/08/2020 - 08/08/2020 [1 week] | Dept. of Mechanical Engineering, Gayatri Vidya Parishad College of Engineering (Autonomous), Visakhapatnam, AP, INDIA | AICTE |
| 17 | AICTE AQIS sponsored STTP on "Advances in Additive Manufacturing" one week. | STTP | 24/08/2020 - 29/08/2020 [1 week] | Siemens Centre of Excellence for Digital Manufacturing and Robotics, Department of Mechanical Engg. YCCE, Nagpur (AICTE approved) | AICTE |
| 18 | One Day Work Shop on Design of Machine Elements -II | Work Shop | 22/12/2014 | Pad. D. Y.Patil College of Engineering, Pimpri ,Pune | Pad. D. Y.Patil College of Engineering, Pimpri ,Pune |
| 19 | Teaching Methodology of Mechanical Engineering Courses. | FDP | 1/12/2014 to -12/12/2014 | Jayantrao Sawant College of Engineering, Pune | SPPU |
| 20 | Recent Trends in Mechatronics | FDP | 16/04/2012- 17/04/2012 | Padmabhooshan Vasantdada Patil | SPPU |

| 21 | One Day Work Shop on Product Life Cycle | FDP | 17/12/2011 | Institute of Technology, Bavdhan,Pune MMCOE,Karvenag ar,Pune | MMCOE,Karven agar,Pune |
|----|------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------|
| 22 | One day workshop on Design of hydraulic and pneumatic circuits and PLC by using Automation Studio Software | Work Shop | 25/05/2011 | Smt. Kashibai Navale College of Engineering, Vadga on, Pune | Smt. Kashibai Navale College of Engineering, Vad gaon, Pune |
| 23 | One week STTP title "Research Methodologies & Mathematical Modeling in Engineering & Technology" | STTP | 11 to 15 th March 2010 | Cummins College of Engineering ,Karve Nagar , Pune | AICTE' |
| 24 | STTP title "Analysis & Design of Pressure Vessels" | STTP | 15 to 17 th June 2009 | Genba Sopanba Moze College of Engineering, Pune | AICTE |
| 25 | Two days Workshop title "Best practices in Engineering & Managements" | Work Shop | 26 & 27 th Dec. 2008 | MMCOE,Karvenag ar,Pune | MMCOE,Karven agar,Pune |

Major Professional Responsibilities Handled

| S. No. | Role and Responsibilities |
|--------|-------------------------------------------------------------------------------|
| | |
| 1. | Institute NBA Coordinator |
| 2. | Nodal officer NIRF (National Institute Rankng Framework) |
| 3. | Modal officer ARIIA(Atal Ranking of Institutions on Innovation Achievements) |
| 4. | NAAC Coordinator criteria 3, Research and Development |
| 5. | AICTE-CII Nodal officer |
| 6. | ME Design Coordinator |
| 7. | Research and Development Coordinator |
| 8. | ME Admission In charge |

Awards Received

| S. No. | Awards |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | The Laxminarayan Institute of Technology Silver Jubilee Memorial Gold |
| | Medal, First university rank in all post graduation courses in the RTM Nagpur |
| | University (2005 examination), RTM Nagpur University |
| 2. | First university rank in all under graduate and post graduation courses in RTM |
| | Nagpur University (2005 examination),), RTM Nagpur University |
| 3. | AISSMS Excellence award 2019 by All India Shri Shivaj memorial Society, |
| | Pune, Best teacher award (Rank 1)[Certificate +50,000 cash prize)] dated |
| | 05/09/2019 |
| 4 | President of India Prize for the Best Journal paper in Institute of Engineers series C, by Institution of Engineers (India) on 27 Dec 2023 |

Declaration: I hereby declare that all the statement made above are correct to the best of my knowledge and belief.

Dr. M R Phate