



## CURRICULUM VITAE

### Personal Details

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### Educational Qualifications

Degree / Certificate	Board/University	Institution	Year	Aggregate Score(CPI/% age)
M. E. (Design Engineering)	SPPU, Pune	NDMVP's KABGT COE, Nashik	Nov. 2016	7.42
B. E. (Mechanical Engineering)	Pune University	BVCOE&RI Nashik	July 2012	62.26
Diploma (Mechanical Engineering)	MSBTE	K. K. Wagh Polytechnic, Nashik	July 1999	67.63
S.S.C.	Pune Board	K. K. Wagh Vidyabhavan B. Nagar, Niphad	March 1994	70.57

## Online Content Development

### ❖ YouTube Channel

<https://www.youtube.com/channel/UCJoc-LbztYxnHQlawfiKGLg>

### ❖ Udemy courses developed

- Finite Element Analysis using ANSYS APDL

<https://www.udemy.com/course/finite-element-analysis-using-ansys-apdl/?referralCode=DF13378F4677D5DFD3E6>

- Solution of Simultaneous Equations

<https://www.udemy.com/course/solution-ofsimultaneous-equations/>

- Numerical Methods using MATLAB

<https://www.udemy.com/course/numerical-methodsusing-matlab/>

## Experience

- Working as Assistant professor in Department of Mechanical Engineering since January 2017.
- Worked as lecturer in Department of Mechanical Engineering from December 2012 to December 2016 (04 Years).
- Worked as Technical Assistant in Department of Mechanical Engineering from July 2007 to December 2012 (05 Years).
- Worked as Instructor (Fitter) in NDMVP's I.T.I., B. Nagar, Niphad from November 2003 to July 2007 (3.5 Years).

### **Workshops and Trainings attended**

- Attended online STTP on Elements of Smart Manufacturing by Indian Institute of Technology Madras, 16<sup>th</sup> Feb. to 20<sup>th</sup> Feb.2021
- Attended online Refresher programme on “Learner Oriented Teaching Methods” by IPS College of Technology and Management, Gwalior, Madhya Pradesh, 10<sup>th</sup> Feb. to 16<sup>th</sup> Feb. 2021
- Attended online STTP on Composites : Fracture Toughness, NDE and Failure Analysis by Mahatma Education Society's Pillai HOC College of Engineering & Technology, Rasayani, 18<sup>th</sup> Jan. to 23<sup>rd</sup> Jan. 2021
- Attended online STTP on Advanced Techniques in Modeling and Analysis for Materials and Manufacturing Process by VNRVJIET, Hyderabad, 14<sup>th</sup> Dec. to 19<sup>th</sup> Dec.2020
- Attended online STTP on STTP Recent Advances in Industrial Robotics & Applications by SRCOE, Pune. 23<sup>rd</sup> November to 28<sup>th</sup> November 2020
- Attended online FDP on “Intelligent Manufacturing & Automation Systems” by G H Raisoni College of Engineering and Management, Pune, 15<sup>th</sup> Oct.2020 to 19<sup>th</sup> Oct. 2020
- Attended online workshop on “3D Printing & Design” by SKC COET, AICTE Training And Learning (ATAL) Academy, 7<sup>th</sup> Sept.2020 to 11<sup>th</sup> Sept. 2020
- Attended AICTE sponsored One week STTP on "Finite Element Analysis and It's Field Application" at KITCoE, Kolhapur, 11<sup>th</sup> June to 15<sup>th</sup> June 2019.
- Attended One Day "Coordinator’s Workshop on Scilab" by IIT Bombay at NDMVP’s KBGT COE, Nashik, 16<sup>th</sup> April 2019
- Attended 3 Day’s FDP on “CAD, RPT & 3D Printing” on 14<sup>th</sup> to 16<sup>th</sup> June 2018 At G. H. Raisoni College of Engineering & Management, Wagholi, Pune.
- Attended One Day Workshop on setting of revised syllabus for the subject "402042: CAD/CAM and Automation (2015 course)" for B.E. Mech. on 27<sup>th</sup> February 2018 at MES COE, Pune.
- Attended One Day Workshop on syllabus implementation for “Numerical Methods and Optimization (2015 Course)” for T.E. Mech. on 11<sup>th</sup> January 2018 at SNJB's COE, Chandwad.

- Successfully completed an AICTE approved Faculty Development Programme (FDP201x) on “Pedagogy for Online and Blended Teaching –Learning Process” conducted by IIT, Bombay from August 3, 2017 to September 7, 2017.
- Successfully completed an AICTE approved Faculty Development Programme (FDP101x) on “Foundation Program in ICT for Education” conducted by IIT, Bombay from September 14, 2017 to October 12, 2017.
- Attended A Two Days State Level workshop on “Mechanical Engineering Design: Trends and Practices” at KK Wagh IEER, Nashik, 27<sup>th</sup> and 28<sup>th</sup> January 2017.
- Attended “Basic course on ANSYS CFD” at KK Wagh IEER, Nashik, 8<sup>th</sup> and 9<sup>th</sup> March 2016.
- Attended Two Days FDP on “Master CAM –Multi Axis and Turn Mill” at SITRC, Nashik, 6<sup>th</sup> and 7<sup>th</sup> August 2015.
- Attended Two Days State Level Seminar on “Tribological Aspects in Design” at NDMVP’s KBGT COE, Nashik, 3<sup>rd</sup> and 4<sup>th</sup> Oct.2014.
- Attended Two Days FDP on “Master CAM –Milling, Turning Module, Robotic Programming and Application” at MET IOE, Nashik, 3<sup>rd</sup> and 4<sup>th</sup> August 2012.
- Attended one day workshop on “Geometry Modeling using Solid Works” at PES’s Modern COE, Pune, 8<sup>th</sup> and 9<sup>th</sup> Jan. 2010.

### **Workshops and Trainings organised**

- Organized Online Session on Fundamentals of ANSYS for Mechanical engineering projects by Invensys CAD solution, Nashik, 1<sup>st</sup> October 2021.
- Organized Online Workshop on ANSYS for BE Mechanical students by ACESS CAD, Nashik, 24<sup>th</sup> to 25<sup>th</sup> August 2020.
- Organized Online Workshop on Creo for SE Mechanical students by ACESS CAD, Nashik, 17<sup>th</sup> to 19<sup>th</sup> August 2020.
- Organized One day online workshop on “Structural Dynamics” by Mr. Dinesh Shirsat, Founder and Director, Hexagaon Dynamics, Nashik, 21<sup>st</sup> May 2020
- Organized one day Workshop on "Scilab" by IIT Bombay (Workshop Coordinator) at KK Wagh IEER, Nashik, 4<sup>th</sup> May 2019.

- Organized Two Day Workshop on "Condition Monitoring & Fault Diagnosis" on 28th Dec. 2018 to 29th Dec. 2018 at K. K. Wagh I. E. E. R., Nashik.
- Organized One Day Workshop on syllabus implementation for "CAD/CAM and Automation (2015 course)" for B.E. Mech. on 16th July 2018 at K. K. Wagh I. E. E. R., Nashik.
- Organized Workshop for students on CATIA, ANSYS in collaboration with Indow German Tool Room, Aurangabad (IGTR) on January 2015 and 2016 at K. K. Wagh I. E. E. R., Nashik.

### Conferences and Publications

- Rakhade R. D., **Patil N. V.**, Pardeshi M. R., Mhasde C. S., Optimal Choice of Agricultural Drone using MADM Methods, International Journal of Technological Innovation in Modern Engineering and Science (IJTIMES), e- ISSN :2455-2585, Volume 7, Issue 4, PP 1-7, Impact Factor 5.85, April 2021.
- R. D. Rakhade, **N. V. Patil**, "Design and Manufacturing of Automated Agricultural Irrigation System", International Journal of Technical Innovation in Modern Engineering & Science( IJTIMES), e-ISSN **2455-2585**, UGC Approved & 5.22 Impact Factor, Volume 4 Issue 8 , August-2018.
- **N. V. Patil**, R. D. Rakhade, "Experimental Analysis of Tribological Behaviors of Submersible Pump Thrust Bearing using Taguchi Method", Journal of Emerging Technologies and Innovative Research (ISSN : 2349-5162) UGC Approved & 5.87 Impact Factor, Volume 5 Issue 7 , July-2018.
- R. D. Rakhade, **N. V. Patil**, M. P. Panchabhai, "Application of Grenade Explosion Optimization Method for Plate Fin Type Heat Exchangers (PFHE)", 6<sup>th</sup> National conference on recent developments in Mechanical engineering (RDME-2017) , MESCOE, Pune, 17<sup>th</sup> and 18<sup>th</sup> March 2017.
- **Nivrutti V. Patil**, Dr. S.P. Mogal "Tribological Analysis of Submersible Pump Thrust Bearing", 2<sup>nd</sup> MECHPGCON, DYPIOE&T, Pimpri, Pune, 22<sup>nd</sup> and 23<sup>rd</sup> June 2016.

## Academics

- Courses taught: Engineering Graphics II, Computer Aided Machine Drawing, Solid Modelling and Drafting, Numerical Methods and Optimization, CAD/ CAM and Automation, Finite Element Analysis, Numerical and Statistical Methods.
- In-house project guidance to final year students in the field of Design Engineering.
- Working as Departmental website coordinator.
- Working as Departmental Virtual Lab coordinator