CURRICULUM VITAE

Personal Details

Name	Nivrutti Vishram Patil
Date of Birth	29th August 1978
Permanent Address	A-19,Yamuna Pride Apartment, Kailas Nagar, Panchavati, Nashik-3
Mailing Address	Mechanical Engineering Department, K. K. Wagh Institute of Engineering Education and Research, Hirabai Haridas Vidyanagari, Amrutdham, Panchavati, Nashik-03
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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	70.5

❖ **Online Content Development**
  ❖ **YouTube Channel**

  https://www.youtube.com/channel/UCJoc-LbztYxnHQIawfiKGLg

  ❖ **Udemy courses developed**

· **1.Finite Element Analysis using ANSYS APDL**

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

2.Solution of Simultaneous Equations

https://www.udemy.com/course/solut**ion-ofsimultaneous-equations/**

3. Numerical Methods using MATLAB

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

❖ **Experience**
  ➢ Working as Assistant professor in the Department of Mechanical Engineering since January 2017.

➢ Worked as lecturer in the Department of Mechanical Engineering from December 2012 to December 2016 (04 Years).

➢ Worked as Technical Assistant in the 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).

Expert Talk/ Training

➢ Delivered an Expert talk on "FEA Analysis" to Engineering Students in A six days Quad Vehicle Professional Skilling Program on 6th February 2023

➢ Delivered a Hands-on Session on "Geometric Modeling" to Government ITI Students in A Twelve Days Skilling Program on 'Modern Manufacturing Processes' on 9th January 2023

❖ **Workshops and Trainings attended**

➢ Attended five days FDP on "Computer Aided Engineering Analysis using Ansys", by Mechanical Engineering Department of BRACT's Vishwakarma Institute of Information Technology, Pune in association with Brigadier Academy, Pune, from 17th to 21st July 2023

➢ Attended six days FDP on "Interdisciplinary Project Design and Development", at AICTE IDEA Lab, KKWIEER, Nashik 26th June-01st July 2023

➢ Attended Three days FDP on "Hands on Training on Ansys Fluent" by Chemical Dept. KKWIEER, Nashik, 22nd Feb - 24th Feb 2023

➢ Attended online STTP on Role of AI, Machine learning & Data science in Emerging trades of Mechanical Industries by Zeal COE&R, Pune, 23rd -30th January 2023

➢ Attended online FDP on "Sensitization on Innovation & Cutting Edge Technologies followed by Project Work" by Maharashtra State Faculty Development Academy 14th -29th November 2022

➢ Attended six days FDP on "Smart Manufacturing", at AICTE IDEA Lab, KKWIEER, Nashik 12th - 17th September 2022

- ➢ Attended online STTP on Elements of Smart Manufacturing by Indian Institute of Technology Madras, 16th Feb. to 20th Feb.2021
- ➢ Attended online Refresher programme on "Learner Oriented Teaching Methods" by IPS College of Technology and Management, Gwalior, Madhya Pradesh, 10th Feb. to 16th 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, 18th Jan. to 23rd Jan. 2021
- ➢ Attended online STTP on Advanced Techniques in Modeling and Analysis for Materials and Manufacturing Process by VNRVJIET, Hyderabad, 14th Dec. to 19th Dec.2020
- ➢ Attended online STTP on STTP Recent Advances in Industrial Robotics & Applications by SRCOE, Pune. 23rd November to 28th November 2020
- ➢ Attended online FDP on "Intelligent Manufacturing & Automation Systems" by G H Raisoni College of Engineering and Management, Pune, 15th Oct.2020 to 19th Oct. 2020
- ➢ Attended online workshop on "3D Printing & Design" by SKC COET, AICTE Training And Learning (ATAL) Academy, 7th Sept.2020 to 11th Sept. 2020
- ➢ Attended AICTE sponsored One week STTP on "Finite Element Analysis and Its Field Application" at KITCoE, Kolhapur, 11th June to 15th June 2019.
- ➢ Attended One Day "Coordinator's Workshop on Scilab" by IIT Bombay at NDMVP's KBTCOE, Nashik, 16th April 2019
- ➢ Attended 3 Days FDP on "CAD, RPT & 3D Printing" on 14th to 16th 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 27th 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 11th 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, 27th and 28th January 2017.
- ➢ Attended "Basic course on ANSYS CFD" at KK Wagh IEER, Nashik, 8th and 9th March 2016.
- ➢ Attended Two Days FDP on "Master CAM –Multi Axis and Turn Mill" at SITRC, Nashik, 6th and 7th August 2015.
- ➢ Attended Two Days State Level Seminar on "Tribological Aspects in Design " at NDMVP's KBTCOE, Nashik, 3rd and 4th Oct.2014.
- ➢ Attended Two Days FDP on "Master CAM –Milling, Turning Module, Robotic Programming and Application" at MET IOE, Nashik, 3rd and 4th August 2012.
- ➢ Attended a one day workshop on "Geometry Modeling using Solid Works" at PES's Modern COE, Pune, 8th and 9th Jan. 2010.

- ❖ **Workshops and Trainings organized**
  - ➢ Organized One Week Faculty Development Program (Blended mode) on "CFD using ANSYS Fluent and Multibody Dynamics" 13th - 17th March, 2023.
  - ➢ Organized Online Session on Fundamentals of ANSYS for Mechanical engineering projects by Invensys CAD solution, Nashik, 1st October 2021.
  - ➢ Organized Online Workshop on ANSYS for BE Mechanical students by Access CAD, Nashik, 24th to 25th August 2020.
  - ➢ Organized Online Workshop on Creo for SE Mechanical students by Access CAD, Nashik, 17th to 19th August 2020.
  - ➢ Organized One day online workshop on "Structural Dynamics" by Mr. Dinesh Shirsat, Founder and Director, Hexagon Dynamics, Nashik, 21st May 2020

➢ Organized one day Workshop on "Scilab" by IIT Bombay (Workshop Coordinator) at KK Wagh IEER, Nashik, 4th 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 Indo German Tool Room, Aurangabad (IGTR) in January 2015 and 2016 at K. K. Wagh I. E. E. R., Nashik.

❖ **Conferences and Publications**

➢ Presented Paper on "Design and Modification of A-Arm in Suspension System in ATV" in International Conference on Science, Technology & Sustainability (ICSTS – 2022) during 5th – 6th November 2022.

➢ 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)", 6th National

conference on recent developments in Mechanical engineering (RDME-2017) , MESCOE, Pune,17th and 18th March 2017.

➢ **Nivrutti V. Patil**, Dr. S.P. Mogal ``Tribological Analysis of Submersible Pump Thrust Bearing", 2nd MECHPGCON, DYPIET, Pimpri, Pune, 22nd and 23rd June 2016.

Academics

➢ Courses taught: Engineering Graphics II, Computer Aided Machine Drawing, Solid Modeling 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 Exam coordinator.

➢ Working as Departmental Virtual Lab coordinator