

RESUME

1. Personal Information:

Name: Nikhil Surgonda Patil

Date of Birth: 01/05/1991

Nationality: Indian

Marital status: Married

Address: “Parasmani”, Plot No- 08, Kadage Mala,
Jaysingpur. Tal- Shirol. Dist- Kolhapur.

Phone Number: 8888049108

E-mail: nikhilpatil.ns@gmail.com

Language Known: English, Hindi, Marathi.

Gender: Male

Research Interest: Condition Based Maintenance System.

2. Academic Qualifications:

Sr. No	Course/Degree	University/Board	Year of Passing	%of Marks Obtained	Result/Division
1	PhD (Mechanical Engineering)	SPPU	-	-	Pursuing
2	M.E. (Mechanical Machine Design)	SUK	2021	63.42	Fist Class
3	B.E. (Mechanical)	SUK	2012	61.59	Fist Class
4	HSC	Kolhapur	2008	80.67	First Class with Distinction
5	SSC	Kolhapur	2006	85.73	First Class with Distinction

3. Employment Record:

A) Academic Record:

Sr.No	Institute	Designation	Status	Duration		Total Years
				From	To	
1.	Sharad Institute of Technology, Polytechnic, Yadrav	Lecturer	Regular	04/07/2013	Till Date	9
2.	Sharad Institute of Technology, Polytechnic, Yadrav	Head of Department	Regular	01/07/2022	Till Date	2

B) Industry Record:

Sr.No	Organization	Designation	Status	Duration		Total Years
				From	To	
1.	Lucas- TVS Ltd., Chakan, Pune.	GET		01/08/2012	31/07/2013	1 yr

4. Other Responsibilities:

A. Institute Level

Sr. No	Post held	From	To
1.	Officer Incharge Exam (1589)	18/04/2016	07/05/2016
2.	Officer Incharge Exam (1589)	16/11/2016	06/12/2016
3.	Internal Vigilance Squad Exam (0968)	11/04/2017	30/04/2017
4.	Internal Vigilance Squad Exam (0968)	24/11/2017	06/12/2017
5.	Exam Controller	22/04/2018	04/05/2018
6.	Exam Controller	13/11/2018	27/11/2018
7.	Officer Incharge Exam (0968)	Nov 2019	December 2020
8.	Officer Incharge Exam (0968)	15/07/2021	17/08/2021
9.	Officer Incharge Exam (0968)	18/01/2022	29/01/2022
10	Officer Incharge Exam (0968)	18/06/2022	29/06/2022
11.	Internal Vigilance Squad Exam (0968)	03/01/2023	13/01/2023
12.	Internal Vigilance Squad Exam (0968)	Summer 2023	
13.	Internal Vigilance Squad Exam (0968)	Winter 2023	
14.	Head, News and Advertisement (PR)	July 2015	June 2018

B. MSBTE Level

Sr. No	Post held	From	To
1.	Project Institute Coordinator, Bilingual Material Development (Mechanical Group) (I-scheme)	August 2022	January 2024
2.	Project Institute Coordinator, Bilingual Material Development (Mechanical Group) (K-scheme)	January 2024	Till Now
3.	MSBTE K-NEP Scheme Program Coordinator (Mechanical Group)	July 2023	Till Now
4.	MSBTE K-NEP Scheme Course Expert- Engineering Graphics, Engineering Drawing, Mechanical Engineering Materials.	July 2023	Till Now
5.	MSBTE Exam Paper Setter	For Winter 2024	
6.	Program Coordinator, MSBTE K-NEP Scheme Lab Manual Development (Courses of 3 rd and 4 th Semester).	May 2024	Till Now

5. Membership of Professional Societies/Bodies:

Sr.No	Professional Society/Body	Membership class	Membership Number
1.	Indian Society For Technical Education (ISTE)	Life Member	LM94921
2.	Tribology Society Of India (TSI)	Life Member	LM5727

7. Project Guidance:

Sr. No	Topic	Name of Candidates
1.	4X Super Suspension (2013-14)	1. Maner Matin Tofik
		2. Patil Ashish Adinath
		3. Mane Shraddha Sunil
		4. Pachore Pritam Bharat
2.	Automatic weed removal machine (2013-14)	1. Bhawar Vishal Subhash
		2. Koli Pravin Mahadev
		3. Mirage Omkar Vijay
		4. Bhandare Lokesh M
		5. Mali Niranjan Kumar
3.		1.Chougule Shubham Ravindra

	Modification of Broaching Tool (2014-15)	2. Patil Pranav Sanjay
		3. Sutar Akshay Vinayak
		4. Sutar Rushikesh Avadhut
4	Experimental Setup for Failure Analysis of Roller & Ball Bearings. (2015-16)	1. Patil Abhinandan Kumar
		2. Patil Pratik Prakash
		3. Patil Swapnil Sachindra
		4. Yelowde Arjun Babaso
5	Foot Operated Agricultural Sprayer with Jet (2015-16)	1. Hakim Amirkhan Mirakhan
		2. Jadhav Ranjit Shrikant
		3. Kotwal Saqlain Salim
		4. Mole Abhishek Krishnat
6	Maintenance and improvement in powerloom. (2015-16)	1. Arage Yogesh Suresh
		2. More Avinash Balu
		3. Neje Pranav Narayan
		4. Sutar Swapnil Yashwant
7	Mango Cutting Machine for Pickle Industry (2016-17)	1. Kadage Yuvaraj Rajendra
		2. Kulkarni Shrirang Sanjay
		3. Shende Omkar Umesh
		4. Madnaik Prasannajeet Rajkumar
8	Design & Manufacturing of Fixture for Retainer Oil Seal & Clutch Release Bearing (2017-18)	1. Tippe Chandrashekhar Datta
		2. Momeen Suraj Chandso
		3. Pathan Arbaj Mirasab
		4. Mudgal Omkar Subhash
9	Trial of Bio-Gas on Four Stroke I.C. Engine (2018-19)	1. Maygonda Ruturaj Suresh
		2. Kadam Akshay Madhukar
		3. Ambi Milind Shekhar
		4. Mhetar Aniket Amar
10	Peristaltic Pump (2019-20)	1. Atish Chavan
		2. Aashish Patil
		3. Vaishnav Chougule
		4. Amol Patil
11.	Design & Fabrication of Wheelchair cum Bed (2020-21)	1. Umesh Tone
		2. Paras Patil
		3. Shreyas Patil
		4. Abhinandan Danole
12.	Fused Deposition Modelling Type 3 D Printer for digital dentistry (2020-21)	1. Akash Kumbhar
		2. Akshay Matala
		3. Ravichandra Rajmane
		4 Akash Khot
13.	Design and manufacturing of Hydraulic Fixture for C Type Connector (2020-21)	1. Rohit Kalkute
		2. Shreyas Gadkari
		3. Abhishek Kharat
		4. Sankalp Mangalekar
14.		1. Atharv Joshi
		2. Abhirav Sathe

	Design and Development of VMC Hydraulic Fixture for Casing Cover of Pump Housing. (2021-22)	3. Aniket Shirote
		4. Sumit Bage
15	Design and development of die and punch for metal backup plate. (2022-23)	1. Komal Patil
		2. Asawari Mane
		3. Priti Hinge
		4. Gouri Yadav
		5. Shejal Sawant
16	Design and development of automatic drain cleaner. (2023-24)	1. Dhiraj Varekar
		2. Param Patil
		3. Aditya Sadale
		4. Pranav Khawate
17	Integration of Chilled and Steam Bath (2024-25)	1. Varad Chougule
		2. Samarth Chandure
		3. Aaryan Kumar
		4. Naushad Alam

11. List of International/National Conference Publications:

1. A Review paper on "Vibration Analysis of Defective Spherical Roller Bearing" International Journal of Emerging Technologies and Applications in Engineering, Technology & Sciences (IJ-ETA-ETS) held at Rajgad Dnyanpeeth Technical Campus, SCSCOE on 20/03/2016 having ISSN:0974-3588.
2. "Thermal Characterization of Coir Reinforced Poly Butylene Succinate", International Conference on New Frontiers of Engineering, Science, Management and Humanities held at OM Institute of Technology & Management, Hisar on 04/02/2018, IJETSR, Volume 5, Issue 1, January 2018, ISSN: 2394-3386.
3. "Overview of Peristaltic Pump Suitable for Various Slurries and Liquids", International Journal of Scientific Research & Emerging Trends Volume 6, Issue 3, May- June 2020, ISSN (online) 2395-566X.
4. "Vibration Signature Analysis of Spherical Roller Bearing Using CAE Software", International Journal for Scientific Research & Emerging Development Volume 8, Issue 11, January 2021, ISSN (online) 23210613.
5. "A Review of Fused Deposition Modeling Type 3D Printer for Digital Dentistry", International Journal for Scientific Research & Emerging Development Volume 8, Issue 11, January 2021, ISSN (online) 23210613.
6. "A Review of Design and Fabrication of Wheelchair cum Bed", International Journal for Scientific Research & Emerging Development Volume 8, Issue 12, February 2021, ISSN (online) 23210613.

7. “Design and Development of VMC Hydraulic Fixture for Casing Cover of Pump Housing”, Journal of Recent Activities in Production Volume 7, Issue 2, 2022 e- ISSN 2581-9771.
8. “Design and Development of Die & Punch for Metal Backup Plate”, Journal of Recent Activities in Production Volume 8, Issue 1, 2022 e- ISSN 2581-9771.
9. “Integration of Chilled and Steam Bath”, International Journal of Multidisciplinary Research in Science, Engineering & Technology, Volume 8, Issue 7, July 2025.
10. “Maintenance 5.0, Sustainability and Sustainable Development Goals: A Review”, International Journal of Basic and Applied Sciences, 14, Special Issue- 2,(2025), pg 100-110, doi.org. 10.14419/tc9tkg66

12. Achievements:

1. Best Teacher Award for academic year 2015-16
2. Translator of AICTE book translation project of subject Manufacturing Engineering (Diploma)
3. MSBTE Project Coordinator, Mechanical Group Bilingual Material Development (I-Scheme).
4. MSBTE Project Coordinator, Mechanical Group Bilingual Material Development (K-Scheme).
5. MSBTE Project Coordinator, Mechanical Lab Manual Development (I-Scheme).
6. MSBTE Project Coordinator, K-Scheme NEP Curriculum development (Mechanical group).
7. Translator of AICTE book translation project of subject Manufacturing Processes (UG)

13. Workshop’s/Seminar/STTP’s/Conferences Attended:

1. One week STTP on”LaTeX” during 19th – 23rd October 2016 at SIT Polytechnic, Yadrav.
2. Two days STTP program on “ Outcome Based Education”, from 14th May to 15th May 2016 at SIT Polytechnic, Yadrav.
3. One week STTP workshop on “ Personality Development” from 15th to 19th June 2015 at SIT Polytechnic Yadrav.
4. Two week STTP workshop on “Teaching Pedagogy & Soft Skills”, from 4th to 14th May 2015 at SIT Polytechnic, Yadrav.
5. Two weeks workshop on “Engineering Mechanics”, at SSPYECT’s Sharad Institute of Technology sponsored by Indian Institute of Technology, Bombay.
6. Five days Industrial Training Program on “Geometric Dimensioning & Tolerancing”, held from 16th to 20th May 2016 at SIT Polytechnic, Yadrav.
7. One day Workshop on “New Dimensions of Leadership & Communication” at Sangli.

8. One week Faculty Development Program on “Teaching Pedagogy”, from 7th to 13th December 2016 at SIT College of Engineering Yadrav.
9. One week Orientation Program on “Advanced Trends in PLC- Automation”, from 30th November to 4th December 2015 at SIT College of Engineering Yadrav.
10. One week STTP on “Recent Trends in Advanced Manufacturing & Quality through SIX SIGMA, SQC & ISO & Tooling Structure”, during 6th – 11th May 2017 at SIT Polytechnic, Yadrav.
11. One week STTP on “Advance Documentation using MS- Office 13”, during 6th – 11th April 2017 at SIT Polytechnic, Yadrav.
12. AICTE Training And Learning (ATAL) Academy Online FDP on "Robotics" from 14/12/2020 to 18/12/2020 at Ramrao Adik Institute of Technology.
13. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Wearable Robotics: Design, Sensing and Support" from 24/12/2021 to 28/12/2021 at Indian Institute of Information Technology Kota.
14. AICTE Training And Learning (ATAL) Academy Blended/Hybrid FDP on "Automotive Safety" from 2022-12-05-2022-12-10 to 2022-12-12-2022-12-16 at Kasegaon Education Society's Rajarambapu Institute Of Technology.
15. One week FDP on “Advances in Clean Energy Technology for Sustainable Development”, during 23rd – 28th January 2023 at SIT Polytechnic, Yadrav.
16. AICTE Training And Learning (ATAL) Academy FDP on "Digital Twin Based Condition Monitoring and Fault Diagnosis for Industry 5.0" from 18/11/2024 to 23/11/2024 at Kolhapur Institute of Technology's College of Engineering.
17. One week FDP on “Robotics and Automation”, during 20th January 2025 to 24th January 2025 at All India Shri Shivaji Memorial Society's Polytechnic, Pune.
18. Two days online FDP on “Hydrogen and Fuel Cell Technologies for Electric Vehicles” from 21st Feb 2025 to 22nd Feb 2025 at DKTE's Yashwantrao Chavan Polytechnic, Ichalkaranji.
19. Two days online FDP on “Research Methodology” from 19th June 2025 to 20th June 2025 at DKTE's Shri Hiralal Hastimal Jain Brothers Jalgaon Polytechnic, Chandwad.

I hereby declare that the information above is true to the best of my knowledge.

Place: Yadrav

Nikhil Surgonda Patil

