

## **RESUME**



**Mr. Nitin V. Sali**

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### **Career Objective:**

- To impart my knowledge and technical skills effectively to the students to cater industry requirements.
- To maintain consistency in job satisfaction by working sincerely and honestly for organization in healthy environment.

### **Educational Qualification:**

<b>Sr. No.</b>	<b>Qualification</b>	<b>College</b>	<b>University</b>	<b>Year of Pass</b>	<b>Division</b>
1.	B.E. Mechanical	Walchand College of Engineering, Sangli,	Shivaji University, Kolhapur	1991	First Class With Distinction
2.	M.E. (Mechanical - Power Engineering)	Govt. College of Engineering, Karad	Shivaji University, Kolhapur	2096	First Class

### **Working Experience** (Starting with current to old)

Sr. No.	Experience Type	Institute / Company Name	Graduate/ Post Graduate Level	Designation	From	To
1.	Teaching	Govt. College of Engg & Research, Avasari, Distt: Pune.	Graduate Level	Associate Professor (CAS) in Mechanical Engineering	20-08-2021	Till Date
2.	Teaching	Govt. College of Engineering, Karad	Graduate and Postgraduate	Associate Professor (CAS) in Mechanical Engineering	25-12-2008	19-08-2021
3.	Teaching	Govt. College of Engineering, Karad	Graduate and Postgraduate	Assistant Professor in Mechanical Engineering	11-11-2003	24-12-2008
4.	Teaching	Institute of Petrochemical Engineering, Dr. B. A. Technological University, Lonere, Dist.- Raigad	Graduate Level	Lecturer in Mechanical Engineering	30-03-1995	10-11-2003
5.	Teaching	Govt. College of Engineering, Karad	Graduate	Lecturer in Mechanical Engineering	01-02-1994	02-02-1995
6.	Teaching	College of Engineering & Polytechnic, Islampur	Diploma	Lecturer in Mechanical Engineering	01-08-1992	30-06-1993
7.	Industry	Menon & Menon Ltd., Kolhapur	-	Apprentice Engine (Foundry Development)	26-07-1991	25-07-1992

#### Research Publications: (Past Five Years)

Sr. No.	Title of Paper	Name of Conference/ Journals in which/where published	Year of Publication
<b>National Conference</b>			
1	Investigation of Dropwise Condensation Heat Transfer Enhancement on Silver Coated Copper Surface using 2-Ethyl 1-Hexanol as Surfactant Additive	National Conference on “Recent Trends in Mechanical Engineering” – NCRTME 2016, organized by Walchand College of Engineering, Sangli	2016
2	Review on Nanofluid as Coolant in Automobile Radiator	1 <sup>st</sup> National Conference on “Mechanical Engineering in Next Decade” – NC-MEND 2017, organized by Government College of Engineering, Karad,	10 <sup>th</sup> -11 <sup>th</sup> , March, 2017.
3	High Enthalpy Operation of 1m Shock Tunnel and Heat Flux Measurement on R100 Sphere and Double Cone Model	National Conference on “Wind Tunnel Testing (NCWT-06), organized by National, Wind Tunnel Facility, IIT Kanpur, UP	14 <sup>th</sup> -15 <sup>th</sup> Feb., 2020
<b>National Journal</b>			
1	Investigation of Flow Boiling Characteristics of Surfactant/Water through Internal Threaded Copper Tube	Journal of Basic and Applied Engineering Research, <a href="http://www.krishisanskriti.org/Publication.html">www.krishisanskriti.org/Publication.html</a> , Volume 3, Issue 5; p-ISSN: 2350-0077; e-ISSN: 2350-0255, pg. 439-444	April-June, 2016
2	Review of Nanofluid as Coolant in Automobile Radiator	Journal of Advances in Science and Technology, Vol. 13, No. 1, ISSN 2230-9659, pg-121-126	March 2017
3	Heat Transfer Characteristics of Nanofluids in Helical Coiled Tube Heat Exchanger: a Review	Journal of Advances in Science Technology, Vol. 13, Issue No. 1, ISSN 2230-9659, pg-356-361	March 2017
<b>International Conference</b>			
1	Experimental Investigation of Flow Boiling Characteristics of Tween 20/Water in Internal Threaded Copper Tube	International Conference on Innovative Trends in Engineering Research (ICITER-2016), organized by Novateur Publications, Pune	26 <sup>th</sup> June 2016

2	Comprehensive Study on Methods to Reduce Ash Related Issues in Boiler	International Conference on Innovations in Information, Embedded and Communication System, Vol. 4, pg. 441-444	March 2017
3	A Review on the Combined Heat Transfer Enhancement Techniques	2nd International Conference on Innovations & Recent Trends in Engineering (ICIRTE)-2018, pg. 11-16	2018
<b>International Journal</b>			
1	Design of Ejector Parameters and Geometry for Ejector Expansion Refrigeration System- A Review	International Engineering Research Journal (IERJ), <a href="http://www.ierjournal.org">www.ierjournal.org</a> , Special Issue 03, ISSN- 2395-1621, pg.152-157	2016
2	Drop-wise Condensation Heat Transfer Enhancement on Silver Coated Copper Surface using n-Heptane as Surfactant Additive	International Advanced Research Journal in Science, Engineering and Technology, Vol. 3, Special Issue 1, ISSN (Online): 2393-8021, ISSN (Print) 2394-1588; pg. 291-294	March 2016
3	Experimental Investigation of Flow Boiling Characteristics of Tween 20/Water in Internal Threaded Copper Tube	International Journal of Innovations in Engineering Research and Technology (IJIERT), Conference Special Issue ICITER-16, ISSN (Online): 2394-3696	June 2016
4	Study of Performance and Possible Configuration of Hybrid Air Conditioning System with and without Combined Peltier Module and Earth Heat Exchanger	International Journal of Engineering Science Invention Research & Development (IJESIRD), <a href="http://www.ijesird.com">www.ijesird.com</a> , Vol. 3, Issue 3, ISSN: 2349-6185.	10 <sup>th</sup> October 2016
5	Experimental Investigation of grooved tube in tube heat exchanger with and without Nano-fluid	International Journal of Scientific & Engineering Research, Engineering and Technology, <a href="http://www.ijser.org">www.ijser.org</a> , Vol. 8, Issue 4, ISSN: 2229-5518, pg. 291-294	April 2017

6	Thermal Analysis of Automotive Headlamp	International Research Journal of Engineering and Technology (IRJET), <a href="http://www.irjet.net">www.irjet.net</a> , Vol.05, Issue 07, e-ISSN: 2395-0056, ISSN (Print) 2395-0072; pg. 1074-1077	July 2018
7	Thermal Performance Investigation of Grooved Tube with Twisted Tape Insert and Al <sub>2</sub> O <sub>3</sub> Nanofluid	International Research Journal of Engineering and Technology (IRJET), <a href="http://www.irjet.net">www.irjet.net</a> , Vol.05, Issue 07, e-ISSN: 2395-0056, ISSN (Print) 2395-0072; pg. 681-686	July 2018
8	A Review on the Combined Heat Transfer Enhancement Techniques	International Engineering Research Journal, Special Issue, pg. 11-16	July 2018
9	Experimental Study of Pool Boiling Heat Transfer Enhancement Using Natural Surfactants	International Journal for Science and Advance Research in Technology (IJSART), <a href="http://www.ijsart.com">www.ijsart.com</a> , Vol.04, Issue 07, e-ISSN: 2395-1052, pg.562-564	July 2018
10	A Review on Experimental and Numerical Analysis of Thermally Stratified Storage Tank	International Research Journal of Engineering and Technology (IRJET), <a href="http://www.irjet.net">www.irjet.net</a> , Vol.07, Issue 04, e-ISSN: 2395-0056, p-ISSN:2395-0072, pg.2679-2681	April 2020
11	Thermal Analysis of Hermetic Reciprocating Compressor: A Review	International Journal of Advanced Research in Science, Engineering and Technology (IJARSET), <a href="http://www.ijarset.com">www.ijarset.com</a> , Vol.07, Issue 08, ISSN: 2350-0328, pg.14695-14701	August 2020
12	A Review on Heat Flux Measurement in Hypersonic Flow over Sphere	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), <a href="http://www.ijarsct.co.in">www.ijarsct.co.in</a> , Vol.10, Issue 02, ISSN: 2581-9429, pg.7-11	October 2020

13	Heat Transfer Analysis inside Hermetic Reciprocating Compressor: A Review	International Journal of Engineering and Science (IJES), ISSN (e): 2319-1813 ISSN (p): 23-19-1805, pg. PP 28-35	August 2020
14	Experimental Analysis of Thermally Stratified Storage Tank	International Journal of Mechanical Engineering and Research, <a href="http://www.elkjournals.com">www.elkjournals.com</a> , Vol.06, Issue 02, e-ISSN: 2349-9368(Online) EAPJMER/ISSN:2454-2962/2016, pg.18-28	Jan 2021

**Workshop/ Seminars/ Training : (Past Five Years)**

<b>Sr. No.</b>	<b>Workshop title</b>	<b>Name of College/Industry</b>	<b>Duration and Dates</b>
1	Two-week TEQIP sponsored International Winter Academic (IWA-2018)	Jointly organized by Department of Mechanical Engineering, Govt. College of Engineering, Karad and Rajkiya Engineering College, Azamgarh (U.P.)	13-12-2018 to 21-12-2018
2	One-week TEQIP-III sponsored Short Term Training Program on Fundamentals and Applications Computational Fluid Dynamics (CFD)	Jointly organized by Department of Mechanical Engineering, Govt. College of Engineering, Karad and Rajkiya Engineering College, Azamgarh (U.P.)	02-04-2019 to 06-04-2019
3	One-week TEQIP-III sponsored Management Development Programme on Professional Development Training for TEQIP Institutions	Indian Institute of Management, Kozhikode	18-06-2019 to 22-06-2019
4	One-week TEQIP-III sponsored STTP on Advances and Practices in Power Generation Systems	Department of Mechanical Engineering, Govt. College of Engineering, Karad	09-12-2019 to 13-12-2019
5	One Week Online Faculty Development Program on “Outcome Based Education: A Towards Excellence”	Govt. College of Engineering, Karad	11-05-2020 to 15-05-2020
6	National level One Week Online Faculty Development Program “Mathematics: A Practical Approach in Science and Technology”	Department of Basic Science and Humanities, Deogiri Institute of Engineering and Management Studies, Aurangabad	28-06-2020 to 03-07-2020
7	One Week Online Short Term Training Program on “Applications of Mathematical Sciences”	Department of Basic Science and Humanities, K.D.K. College of Engineering, Nagpur, in association with ISTE, New Delhi,	13-07-2020 to 18-07-2020

## Achievement

- **No. Students guided for M.E/M. Tech Dissertation- 29**
- Project Coordinator, “**Modernization of Fluid Systems and Mechanical Control Lab.**”, under MODROBS scheme, AICTE, New Delhi.  
Year of Sanction- 2005-06      Sanctioned Amount- Rs. 8.0 Lacs
- **Membership Of Scientific & Professional Societies:**
  - Life member (LM 19837), Indian Society for Technical Education, New Delhi.

- Life Member of e-Journal of International Fluid Power System Association

➤ **Institutional & Departmental Portfolios:**

**At Govt. College of Engineering, Karad**

- Worked as Laboratory In charge- i) Testing & Measurement ii) Control Engineering iii) Fluid Power Engineering
- Worked as Programme coordinator, M. Tech.in Mechanical- Heat Power Engineering
- Worked as Member in Departmental Board of Studies of Mechanical Engineering
- Worked as UG NBA Coordinator for SAR Criteria- III
- Worked as Academic Audit coordinator for (2016-2017 and 2018-19) workload of Audit component- Student's Feedback and Corrective Action
- Worked as Procurement Nodal Officer- TEQIP-II & III Procurement cell
- Worked as Member Secretary, Central Purchase Scrutiny Committee
- Worked as Central Furniture Coordinator
- Worked as Chairman, The College of Engg. Consumers Co-operative Society, Karad
- Worked as member in Departmental Write-off committee for Furniture
- Worked as member in Departmental Scrutiny of applications received for recruitment of Visiting faculty
- Worked as member for Anti-ragging Committee at Institute level
- Worked as Committee member in Institute Audit Observations under TEQIP-III project
- Worked as Committee member at Institute level for scrutiny of proposals received under CAS
- Worked as Faculty coordinator- Audit (Billing Process) for Annual Day function
- Worked as Internal & External expert for Stock Verification of the items (Goods) procured under TEQIP-III project
- Worked as Presiding/Polling Officer for Pune Division Graduate's Constituency Election

**At Govt. College of Engineering & Research, Awasari**

- Working as Gymkhana coordinator at institute level
- Working as Assistant Rector for Boys Hostel
- Working as Laboratory In charge- i) Mechatronics Lab ii) SOM Lab
- Working as department level coordinator for Visiting faculty records
- Working as department level coordinator for furniture purchase
- Working as department level coordinator for lab equipment purchase
- Working as department level coordinator for newsletter, magazine, annual report

**Signature**  
**(Mr. N. V. Sali)**