

Curriculum Vitae

Mr. KUMBHAR SUJIT VISHWANATH.

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Kolhapur. 416003

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Objective:

To employ my technical skills to optimum level & to build a career with leading institute of hi-tech environment with committed & dedicated people, which will help me to explore myself fully and realize my potential. Wish to work as a key player in challenging & creative environment.

Educational Qualification:

Institution : Shivaji University, Kolhapur
Branch : **Ph.D (Pursuing)** (Mechanical Heat-Power Engineering).

Engineering Education:

Institution : Dr .Padmabhooshan Vasantrodada Patil Institute of Technology, Budhgaon.
Branch : **M.E.** (Mechanical Heat-Power Engineering).

Exam	University / Board	Year	% Marks
M.E-II	Shivaji University, Kolhapur	2014-15	77.66%
M.E.I	Shivaji University, Kolhapur	2013-11	73.24%

Institution : Dr .D. Y. Patil college of Engineering and Technology, Kolhapur.
Branch : **B.E** (Mechanical Engineering).

Exam	University / Board	Year	% Marks
B.E	Shivaji University, Kolhapur	2009-10	71.08%
T.E.	Shivaji University, Kolhapur	2008-09	68.11%
S.E.	Shivaji University, Kolhapur	2007-08	60.97%
F.E.	Shivaji University, Kolhapur	2006-07	59.38%

Higher Education:

Institution : Swami Vivekanand College, Kolhapur.

Exam	University / Board	Year	% Marks
H.S.C	KOLHAPUR	2005-06	77.33%

Secondary Education:**School: D.A.Magdum Highschool, Kolhapur.**

Exam	Board	Year	%Marks
S.S.C.	KOLHAPUR	2004-05	82.13%

Special achievements:

- Secured **First rank** in **Shivaji University** in **M.E.** (Mechanical Heat- Power Engineering) in M.E. Part I Examination.
- Worked as “**Primary Evaluator**” in “**TOYCATHON 2021**” organised by All India Council for Technical Education (AICTE), Ministry of Education’s Innovation cell, New Delhi.
- Worked as “**Primary Evaluator**” in “**Smart India Hackathon 2022**” organized by All India Council for Technical Education (AICTE), Ministry of Education’s Innovation cell, New Delhi.
- Worked as “**Primary Evaluator**” in “**Toycathon 2022**” organized by All India Council for Technical Education (AICTE), Ministry of Education’s Innovation cell, New Delhi.

Project Work: (M.E. PROJECT):

- “Performance analysis of Double Pipe Heat Exchanger for Electrohydrodynamic (EHD) effect”

Project Work: (B.E. PROJECT):

- “Foldable Automobile”

Books Published:-

- 1) “**A Glance on Electrohydrodynamic Effect**” Lambert Academic Publishing (LAP) ISBN No: 978-613-9-96804-6
- 2) “**Performance Improvement of V.C.R. By: Electro Hydrodynamic Effect**”, Lambert Academic Publishing (LAP), 365941459X, 9783659414596

Papers Published:-

- **International Papers published:**
 1. “**Experimental investigations of ethanol-gasoline blends on the performance, combustion, and emission characteristics of spark ignition engine spark ignition (S.I) engine with partial addition of n-pentane**”, December 2022, Materials Today: Proceedings, DOI:10.1016/j.matpr.2022.11.284
 2. “**Experimental investigations of vapour compression refrigeration system using electrohydrodynamic effect**”, Materials Today: Proceedings, Volume 72, Part 3, 2023, Pages 1877-1881, <https://doi.org/10.1016/j.matpr.2022.10.048>
 3. “**Design Optimization of Frame of Mechanical Press Machine**”, Asian Review of Mechanical Engineering, ISSN: 2249 – 6289, Vol. 10 No. 1 (2021): January-June 2021
 4. “**Review on the Effect of Geometrical Parameter on Heat Transfer Performance for LED**”, Asian Review of Mechanical Engineering, ISSN: 2249 – 6289, Vol. 9

No. 1 (2020): January-June 2020

5. **“Design, Analysis and Fabrication of Hydraulic Scrap Baling Machine”**, Asian Review of Mechanical Engineering, ISSN: 2249 – 6289, Vol. 8 No. 1 (2019): January-June 2019
 6. **“Performance Analysis of Annular Fin Arrays with Forced Convection”**, Asian Review of Mechanical Engineering, ISSN: 2249 - 6289 Vol.7 No.2, 2018, pp.12-16.
 7. **“Design and Development of Helical Compression Spring Stiffness Testing Machine for I.C. Engine Valves with Stepper Motor by Using Computer Control”**, Asian Review of Mechanical Engineering, ISSN: 2249 - 6289 Vol. 7 No. 2, 2018, pp.42-45
 8. **“Heat Transfer Analysis of Continuous and Staggered Fin Arrays”**, Asian Review of Mechanical Engineering, ISSN: 2249 - 6289 Vol.7 No. 1, 2018, pp.10-14.
 9. **“Experimental Investigation of Electrohydrodynamic Effect on the Performance of Double Pipe Heat Exchanger”**, Asian Review of Mechanical Engineering, ISSN: 2249 - 6289 Vol. 7 No. 1, 2018, pp.29-32.
 10. **“Performance analysis of Double pipe heat exchanger for Electrohydrodynamic (EHD) effect”** in IJSRD - International Journal for Scientific Research & Development Vol. 3, Issue 03, 2015 ISSN (online): 2321-0613.
 11. **“Study of performance characteristics of variable compression ratio Diesel engine using Ethanol blends with Diesel”** in IJEST- International Journal of Engineering Science and Technology Vol. 4 No. 06, June 2012, ISSN: 0975-5462.
 12. **“Stress and Load-Displacement analysis of Fiber Reinforced Composite Laminates under different loading conditions”** in IJESAT-International Journal of Engineering Science and Advanced Technology, Vol. 2, Issue-6, 1663-1669, ISSN: 2250-3676
- **National Papers Published:**
 - 1) **“Design and Development of the Portable three Wheeler”**
 - 2) **“A review on Direct, Indirect and Mixed Mode Solar Dryer”**- at 2nd International conference on Recent Challenges in Engineering and Technology (ICRCET) by IFERP from 23rd to 24th Feb., 2017

Conference attended:-

- **“National Conference on Recent Advances in Science, Engineering and Management (NCRASEM 2013)”** held at DMGOI, Kagal.
- **“Recent Trends in Energy Engineering”** held on 09th October 2015 at PVPIT, Budhgaon.
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Swayam- NPTEL Courses:-

- 1) Completed NPTEL Online Certification course in **“Data Analytics with Python”** with Elite organized by **Indian Institute of Technology, Roorkee**.
- 2) Completed NPTEL Online Certification course in **“IC Engines and Gas Turbines”** with Elite organized by **Indian Institute of Technology, Guwahati**.
- 3) Completed NPTEL Online Certification course in **“Introduction to Fluid Mechanics”** organized by **Indian Institute of Technology, Kharagpur**.
- 4) Completed NPTEL Online Certification course in **“Accreditation and Outcome Based Learning”**

- 5) Completed NPTEL Online Certification course in “**Numerical Methods**” organized by **Indian Institute of Technology, Roorkee**

ATAL FDP attended:-

- 1) AICTE Training And Learning (ATAL) Academy Online FDP on “**Alternate Fuels**” from 2020-12-8 to 2020-12-12 at University College of Engineering, Anna University.
- 2) AICTE Training And Learning (ATAL) Academy Online FDP on “**Energy Engineering**” from 2021-1-4 to 2021-1-8 at G.L.Bajaj Institute of Technology and Management.
- 3) AICTE Training And Learning (ATAL) Academy Online FDP on “**Energy Storage**” from 2021-2-22 to 2021-2-26 at Malaviya National Institute of Technology Jaipur.
- 4) AICTE Training And Learning (ATAL) Academy Online Elementary FDP on “**Energy Conversion and Storage Devices**” from 2021-7-1 to 2021-7-5 at Indian Institute of Technology Hyderabad.
- 5) AICTE Training And Learning (ATAL) Academy Online Elementary FDP on “**Alternative fuels for IC Engine**” from 2021-08-02 to 2021-08-06 at University College of Engineering (UCET), Vinobabhave University Hazaribag.
- 6) AICTE Training and Learning (ATAL) Academy Online Elementary FDP on “**Alternative fuels: Biofuels**” from 04/10/2021 to 08/10/2021 at P D A College of Engineering Kalaburagi.
- 7) AICTE Training and Learning (ATAL) Academy Online Elementary FDP on “**Biomass to fuels, Chemicals and value added products for sustainable energy and environmental future**” from 20/12/2021 to 24/12/2021 at National Institute of Technology Tiruchirappalli.

Workshops attended:-

- 1) A two-week ISTE Workshop on “**Computational Fluid Dynamics**” conducted by Indian Institute of Technology (IIT), Bombay from 12th June to 22nd June, 2012 at KIT, Kolhapur.
- 2) A one day Workshop on “**Duct- Design and Development**” conducted at Bharati Vidyapeeth, Pune.
- 3) A two-week ISTE Workshop on “**Fluid Mechanics**” conducted by Indian Institute of Technology (IIT), Kharagpur from 20th May to 30th May 2014 at SITCOE, Yadrav.
- 4) Two days’ workshop on “**Numerical Computation of Heat flow and fluid flow using ANSYS Fluent**” from 19th March to 20th March 2014 held at PVPIT, Budhgaon.
- 5) A one day Workshop on “**Energy Conservation and Energy Audit**” Sponsored by MEDA, Mahaurja, Pune held at SITCOE, Yadrav.
- 6) A one day workshop on “**Teaching Methodology for F.E. Revised Syllabus**” sponsored by Shivaji University, Kolhapur, held at KIT, Kolhapur.
- 7) Three days’ workshop on “**Heat transfer Equipment’s**” sponsored by Thermax India Ltd. Pune, from 23rd to 25th March, 2015 held at PVPIT, Budhgaon.
- 8) A one day workshop on “**Teaching Methodology for S.E Revised Curriculum**” sponsored by Shivaji University, Kolhapur, held at SITCOE, Yadrav.
- 9) A two-week ISTE workshop on “**Environmental Studies**” conducted by Indian Institute of Technology (IIT), Bombay from 02nd June to 12th June, 2015 at SITCOE, Yadrav.

- 10) A workshop on “**Open-FOAM**” organized at Sharad institute of Technology College of Engineering, Yadrav on 28th March 2014 at SITCOE, Yadrav.
- 11) A one week FDP on “**Pedagogy to Synergogy**” from 31st December to 04th January 2016 at SITCOE, Yadrav
- 12) Two week ISTE sponsored STTP on “**Advanced Techniques in Research Methodology**” from 15th to 26th June 2015, at SITCOE Yadrav.
- 13) Participation in “**Train the Trainer**” program under Distance Ready Engineer Initiative by **TATA Technologies** during 04th to 05th Feb. 2016.
- 14) A one week FDP programme on “**Research Opportunities**” under Lead College, Shivaji University, during 01st to 06th December 2016 at SITCOE, Yadrav.
- 15) Attended an interactive session on “**Technical Education for Communities**” initiative by Cummins India Pvt. Ltd., on 04th November, 2015.
- 16) A one day workshop on “**Teaching Methodologies in Subjects of B.E. (Mechanical)**” on 19th August 2016 at JJMCOE, Jaysingpur.
- 17) A one week STTP on “**Outcome Based Education and Accreditation**” during 28th October to 03rd November, 2017 at SITCOE, Yadrav.
- 18) A one week FDP on “**Technical Pedagogy**” from 07th Dec. to 13th December 2016, at SITCOE, Yadrav.
- 19) A two week AICTE Sponsored FDP on “**Renewable Energy Sources: Past, Present and Future**” from 05th to 17th Feb. 2018 at AMGOI, Wathar.
- 20) A one week ISTE-AICTE sponsored induction program on “**Energy Conservation Building Code 2017**” from 18th to 23rd June 2018, at SITCOE, Yadrav.
- 21) One week online Faculty Development Program on “**OUTCOME BASED EDUCATION: A STEP TOWARDS EXCELLENCE**” from 11-15 May 2020 under Margdarshan Scheme of AICTE, New Delhi.
- 22) One Week TEQIP-Online Faculty Development Program on “**Machine Learning and Deep Learning Applications in Engineering and Science (MLDLAES - 2020)**” from 16th May-20th May 2020 (Sponsored by Technical Education Quality Improvement Program -III) Organized by Civil Engineering Department, Government College of Engineering, Karad.
- 23) Completed the “**Automotive Awareness Program**” organised by MMCOE SAEINDIA Collegiate Club of Marathwada Mitra Mandal’s College of Engineering, Karvenagar, Pune on 17-5-2020
- 24) Online FDP on “**Industry 4.0, Data Analytics, Disruptive Technologies**” 26th May to 31st May 2020 organised by Dr. Babasaheb Ambedkar Technological University, Lonere TEQIP - III Sponsored In Association With Sanjay Bhokare Group of Institutes, Miraj.
- 25) One week online “**Short Term Training Program on Renewable Energy and Utilization**” during 26-30 May, 2020 organized by Department of Mechanical Engineering, Sandip Institute of Engineering and Management, Nashik.
- 26) Five Days Online Faculty Development Programme on “**ADVANCEMENTS IN PHASE CHANGE MATERIAL BASED THERMAL AND RENEWABLE ENERGY TECHNIQUES**” from 01/06/2020 to 05/06/2020 conducted at Lakireddy Bali Reddy College of Engineering (Autonomous), Mylavaram.
- 27) One Week National Level Faculty Development Program on “**Futuristic Technologies in Mechanical Industries**” organized by Mechanical Engineering

- Department, DYPIEMR, Akurdi, Pune-44, in Association with Indian Society for Technical Education (ISTE) & Indian Welding Society(IWS) from 5th June 2020 to 9th June 2020.
- 28) One week online training program on “**Experiences in Solar Energy: Challenges & Opportunities**” organized by PCCOE, Pune from 8th to 13th June 2020
 - 29) Attended Webinar on “**Trends in Metal Casting**” organized by the Department of Mechanical Engineering, Bharati Vidyapeeth’s College of Engineering, Kolhapur, on 10th June, 2020.
 - 30) A one week online Faculty Development Program on “**Renewable Sources: A way ahead**” organized by Department of Mechanical Engineering in association with American Society of Materials, Pune Chapter and ISHRAE Nagpur Chapter during 15th May 2020 to 21st May 2020
 - 31) An online faculty orientation programme on “**Recent Advances in Modeling and Optimization Techniques**” organized by Department of Mechanical Engineering approved by ISTE ,New Delhi from 1st June to 5th June 2020.
 - 32) An online faculty orientation programme on “**Academic Writing and IPR**” organized by Department of Mechanical Engineering SIT Polytechnic approved by ISTE ,New Delhi from 8th June to 12th June 2020.
 - 33) **AICTE – AQIS sponsored Online Four Weeks STTP on “Recent Trends in Energy Management and Audit”** held during 2nd November to 19th December 2020 Phase I: 2 - 7 November 2020, Phase II: 23 - 28 November 2020,Phase III: 7 - 12 December 2020, Phase IV: 14 - 19 December 2020.
 - 34) Online Faculty Development Programme (FDP) on “**Machine Learning & Its Applications**” during 16th March – 20th March 2021 organized by Sharad Institute of Technology, College of Engineering, Yadrav (Ichalkaranji).
 - 35) One week Online Faculty Development Program on “**Advances in Manufacturing and Materials**” organised by Department of Mechanical Engineering, Dr. D.Y.Patil College of Engineering & Technology, Kasaba Bawada, Kolapur from 20th April 2021 to 24th April 2021.
 - 36) One week Online Faculty Development Program on “**Internet of Things for Futuristic Smart Systems**” organised by Department of Electronics and Telecommunication Bharati Vidyapeeth College of Engineering, Pune from 17th May 2021 to 21st May 2021
 - 37) **AICTE Sponsored Six days STTP phase-II on “Rudiments and Practices of Computational Fluid Dynamics in Thermo Fluid Analysis”** organised by Department of Mechanical Engineering, Saranathan College of Engineering, Tiruchirapalli from 24th May 2021 to 29th May 2021
 - 38) One week Online Short-Term Training Program on “**Advances in Mechanical Engineering for Sustainability**” Organized by Department of Mechanical Engineering, Engineering College Bikaner from 27 -31 May, 2021
 - 39) **AICTE Sponsored One Week Online STTP Phase-I “Energy Conservation and Audit”** from 14th to 19th June 2021 organised by Sharad Institute of Technology College of Engineering, Yadrav.
 - 40) An Online Faculty Development Programme on “**ADVANCES IN RENEWABLE ENERGY & SMART GRID INTEGRATION**” organized by Department of Electrical & Electronics Engineering, Amity School of Engineering & Technology,

- Amity University Uttar Pradesh, Noida, India, from 31st May 2021 to 04th Jun 2021.
- 41) An Online FDP on “Research Funding Projects & IPR” organised by K.C.College of Engineering and Management Studies & Research, Thane from 07th June 2021 to 09th June 2021
 - 42) National Level online one week FDP on “**Outcome based Pedagogy for Effective Teaching and Learning in Engineering Education**” organised by SKN Sinhgad College of Engineering, Pandharpur from 14th June 2021 to 18th June 2021
 - 43) One week online Faculty Development Program on “**Advanced Research Methodology**” organised by Department of Mechanical Engineering, Nanasaheb Mahadik College of Engineering Peth Sangli from 26th July 2021 to 30th July 2021.
 - 44) ISTE approved two week online FDP on “**Advances in FEA using ANSYS 2021R**” organised by Department of Mechanical Engineering, Sharad Institute of Technology College of Engineering, Yadrav from 17th August 2021 to 27th August 2021.
 - 45) A Online Faculty Development Programme (FDP) on “**RESEARCH METHODOLOGY, RESEARCH PUBLICATIONS AND PATENT FILING**” during 20th Sept – 24th Sept 2021 organized by Department of Electronics & Telecommunication Engineering, Sharad Institute of Technology College of Engineering, Yadrav (Ichalkaranji).
 - 46) One week Faculty Development Programme (FDP) approved by ISTE and SUK on “**Nanotechnology: Synthesis, Characterization and applications in Engineering & Science** ” in online mode organized by Bharati Vidhyapeeth College of Engineering, Kolhapur during 17th January 2022 to 22nd January 2022

Teaching Experience:

- 1) Worked as **Lecturer** in **Y. D. Mane institute of Technology, Kagal** from 1st June 2010 to 31st June 2011.
- 2) Worked as **Assistant Professor** in **Bharati Vidyapeeth’ s College of Engineering, Kolhapur** from 1st July 2011 to 31st May 2013.
- 3) Working as **Assistant Professor** in **Sharad Institute of Technology College of Engineering, Yadrav, Ichalkaranji** from 5th July 2013 to till date.
- 4) Working as **Dean Student Affairs**, in **Sharad Institute of Technology College of Engineering, Yadrav, Ichalkaranji** from 14th October 2021 to till date.

Subjects Taught:

- 1) Engineering Graphics
- 2) Basic Mechanical Engineering
- 3) Fluid Mechanics
- 4) Fluid and Turbomachinery
- 5) Strength of Materials
- 6) Thermal Engineering
- 7) Heat and Mass Transfer
- 8) Refrigeration and Air-conditioning
- 9) Internal Combustion (I.C.) Engines
- 10) Engineering Drawing
- 11) Manufacturing Processes
- 12) Machine Tools
- 13) Automobile Engineering

- 14) Machine Drawing
- 15) Engineering Economics

Computer Literacy:

- 1) Auto-CAD
- 2) Unigraphics

Extra-curricular Activities:

- 1) Participated in "**Janswasthya Dakshata Samiti**", at Kolhapur.
- 2) Volunteer in "**National Pulse Polio Campaign**", at Kolhapur (2004-05).
- 3) Participated in **Marathi Balkumar Sahitya Sabha** in Kolhapur.

Hobbies:

- 1) Cooking
- 2) Collecting Old Currency.
- 3) Listening music.

Personal Details:

Fathers Name	: Mr. KUMBHAR VISHWANATH PANDURANG
Date of birth	: 03 rd Sep 1988
Sex	: Male.
Marital status	: Married.
Nationality	: Indian.
Languages Known	: English, Hindi and Marathi.

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

Place: Kolhapur.

Date: 01 /12/ 2022

Mr. Kumbhar Sujit Vishwanath