

Prof.: - Tukaram Shivaji Sargar

M.Tech.: - (Design Engg.), Ph.D. [Regi.]

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Mob. No.: 9552524365



Academic Qualification:

| Degree | Institute Name | University Name | Year of Passing | Qualification Status |
|-------------------------------|------------------------|--------------------|-----------------|----------------------|
| Ph.D. | SJJTU | SJJT University | - | Pursuing |
| M. Tech. (Design Engineering) | Walchand COE Sangli | Shivaji University | 2009 | Completed |
| BE Mech | SVERI'S COE Pandharpur | Shivaji University | 2007 | Completed |

Training Details

| Training Title | Arrange By | Venue | Date | Level | Category | Type |
|---|-------------|-----------|---|----------|------------------------------|----------|
| Computational Fluid Dynamics | COEP Pune | COEP Pune | 6 th -10 th June 2016 | Training | Quality Improvement Programs | External |
| Project Management for National Development | VJTI Mumbai | Mumbai | 5 th -10 th Feb 2017 | Training | Quality Improvement Programs | External |
| Research Methodology | VJTI Mumbai | Mumbai | 4 th -9 th March 2017 | Training | Quality Improvement Programs | External |

Workshop Attended

| Workshop | Topic | Conducted By | Date | Level | Category | Type |
|-----------------------------|--|---|--|----------|------------------------------|------|
| Faculty Development Program | Additive Manufacturing Technology | Sandip University, Nashik | 4 th to 9 th March 2024 | National | Intra-Institutional Seminars | FDP |
| | Induction Training | NITTTR Kolkata | 18 th to 29 th Oct 2023 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Advancements & Application in Artificial Intelligence and Machine Learning | SKNCOE Pune | 4 th to 8 th Sep. 2023 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Laser Based Manufacturing for Future Industrial Development | National Institute of Technology Rourkela | 21 st to 25 th July 2023 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Quality & Reliability Engineering | Ajeenkya DY Patil School of Engineering, Lohegaon | 12 th to 14 th Jan 2023 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Advances in Materials and Manufacturing | SKNCOE Pune | 30 th Jan to 3 rd Feb 2023 | National | Intra-Institutional Seminars | FDP |
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| Faculty Development Program | LaTex and MATLAB (L&M-2023) | G H Raisoni COE, Nagpur | 30 th Jan to 3 rd Feb 2023 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Design of Transmission System | AISSMS College of Engg. Pune | 15 th Feb 2022 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Research Tools for Data Science | MMMIT Lohgaon | 29 th to 31 st March 2022 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Renewable Energy for Sustainable Development | Bharatratna Indira Gandhi College of Engineering, Solapur | 1 st to 5 th March 2022 | National | Intra-Institutional Seminars | FDP |

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|-----------------------------|---|--|--|----------|------------------------------|-----|
| Faculty Development Program | Recent Advances in Industrial Robotics and Applications | SRES's Pune | 8 th to 13 th March 2021 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Developing MOOCs -I | Parul University, Vadodara, India | 28 th to 2 nd Jan 2021 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Mathematical Modeling | Indira College of Engineering and Management, Pune | 15 th to 21 th April 2021 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Recent Developments in Materials & Manufacturing Processes | SKNCOE, Pune | 22 th Feb to 5 th March 2021 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Recent Advances In EV Technologies Series A | Matusri Engineering College Hydrabad | 26 th April to 1 st May 2021 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Recent Advances in EV Technologies Series C | Matusri Engineering College Hydrabad | 14 th June 19 th June 2021 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Recent Advances in EV Technologies Series B | Matusri Engineering College Hydrabad | 17 th May To 22 nd May 2021 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Recent advances in Industrial Robotics and Applications | SRES's Pune. | 8 th to 13 th March 2021 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Role of Engineer in Uplifting the Industry Post Covid-19 Lockdown in India | Sandip Foundation Nashik | 11 th to 15 th MAY 2020 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Industry Based 3D Printing Technology | SITS, Narhe | 27 th to 31 st Jan 2020 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Teaching Learning Pedagogies | AJPPI, Solapur | 7 th to 12 th Sep 2020 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Make In India –a Journey towards Self Reliance | Sandip Foundation Nashik | 23 th to 28 th June 2020 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Introduction to Finite Element Analysis Using FEA Tool | APCOE&R Parvati | 17 th May 2020 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Revolution in Engineering Education | SKNCOE, Pune | 4 th to 8 th MAY 2020 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Cyber Security | PMMNMTT Kolhapur | 10 th to 16 th June 2019 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Practical Based Designing and System Modeling with MATLAB and Simulink | SKNCOE, Pune | 2 nd to 13 th Dec 2019 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | MATLAB and Simulink | SKNCOE, Pune | 10 th to 21 st Dec 2018 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Design of Machine Elements –I | SAOE Pune | 5 th to 10 th June 2017 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | I.C. Engine- Theory and Practice | VIIT Pune | 5 th to 10 th Dec 2016 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Advanced IC Engine | SKNCOE, Pune. | 15 th Dec 2013 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Fault Diagnosis and its Condition Monitoring by Vibration Analysis using FFT and DWT Techniques | SKNCOE, Pune. | 21 st to 23 rd Oct 2013 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Automotive Applications by Computational Techniques | SKNCOE, Pune. | 6 th to 7 th Feb 2015 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Recent Advances in Nanomaterials, Nanotechnology and Nanofabrication | SKNCOE, Pune. | 11 th to 16 th Dec 2016 | National | Intra-Institutional Seminars | FDP |
| Faculty | Recent Trends in IC Engine | SKNCOE, Pune. | 19 th Oct 2016 | | Intra-Institutional | FDP |

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|-----------------------------|---|--|---|----------|------------------------------|-----|
| Development Program | Design and Development | | | National | Seminars | |
| Faculty Development Program | Model Based Design in Applications of Engineering & Science using MATLAB and Simulink | SKNCOE, Pune. | 4 th to 15 th Dec 2017 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Fundamental of Computational Fluid Dynamics | SKNCOE, Pune. | 6 th to 10 th June 2016 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Coordinator for State Level Project Competition | SKNCOE, Pune. | 10 th April 2018 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Intellectual Property Rights and Patent Procedures | SKNCOE, Pune. | 10 th Oct 2019 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Fundamental of Computational Fluid Dynamics | SKNCOE, Pune. | 20 th to 24 th Feb 2017 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Practical Based Designing and System Modeling with MATLAB and SKNCOE, Pune. Simulink | SKNCOE, Pune. | 2 nd to 13 th Dec 2019 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | International Conference Ideas, Impact and Innovations in science and technology | SKNCOE, Pune. | 19 th March 2019 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Design of Transmission System | AISSMS College of Engg. Pune | 15 th Feb 2022 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Research Tools for Data Science | MMMIT Lohgaon | 29 th to 31 st March 2022 | National | Intra-Institutional Seminars | FDP |
| Faculty Development Program | Renewable Energy for Sustainable Development | Bharatratna Indira Gandhi COE, Solapur | 1 st to 5 th March 2022 | National | Intra-Institutional Seminars | FDP |

Conference Details

| Name | Venue | Date | Level | Category | Sponsored By |
|--|---|---|---------------|---------------------|---|
| New and Renewable Energy Resources for a Sustainable Future ICONRER-2023 | SKIT Gramothan Jaipur | 2nd to 4th Nov 2023 | National | Academic Conference | Institution of Engineers (India) [IEI] |
| Advancements in Engineering, Science and Technology (AEST-2023) | SJJTU Jhunjhunu, Rajasthan | 24 th March 2023 | National | Academic Conference | Institute of Engineering |
| Advanced Materials, Manufacturing and Industrial Engineering (AMMIE 2023) | Vellore Institute of Technology Chennai | 23 rd & 24 th March 2023 | International | Academic Conference | ASM International – (India National Council), National Design and Research Forum (NDRF) |
| Materials, Manufacturing and Modelling (ICMMM-2023) | Vellore Institute of Technology Chennai | 24 th to 26 th March 2023 | International | Academic Conference | Vellore Institute of Technology Chennai |
| 5th International Conference on Ideas, Innovations, Impact in Science and Technology | SKNCOE Pune | 8th & 9th July 2022 | International | Academic Conference | SKNCOE Pune |
| International Conference on Foundations and Application of Computer Science & Engineering [CSE 2022] | Shri Jagdishprasad Jhabarmal Tibrewala University | 22nd & 23rd Dec 2022 | International | Academic Conference | SJJTU Jhunjhunu, Rajasthan |

Research Project

| Project name | Description | Status | Budget | Project type |
|--|---|-----------|--------|--------------|
| Study of CO ₂ and Fiber LBM | Study of CO ₂ and Fiber LBM for Steel Material | Completed | - | Research |

Research Paper & Journal

| ISSN/ISBN No | Paper Title | Publish Date | Journal Name | Level | Paper Status | Authors |
|--------------|---|----------------------------|--|---------------|--------------|------------------|
| 2214-7853 | Comparative Study of Process Parameters on Dross Properties by Laser Machining of AISI 316L Material | 14 th July 2023 | Materials Today: Proceedings Publisher: Elsevier | International | Published | Mr. T. S. Sargar |
| 2214-7853 | Experimental Study of Heat Affected Zone for CO ₂ and Fiber Laser Machining of SS 316L Material | 30 th Aug 2023 | Materials Today: Proceedings Publisher: Elsevier | International | Published | Mr. T. S. Sargar |
| 2076-9210 | Experimental Study of CO ₂ and Fiber LBM on SS 316L and Optimization of Parameters using ANN | Aug 2023 | Solovyov Studies ISPU | International | Published | Mr. T. S. Sargar |
| 2321-1067 | A Review on Laser Beam Machining of Materials | Jan 2023 | JJTU Journals | International | Published | Mr. T. S. Sargar |
| 391521-001 | Device for Laser Machining on Thick Material | 29 th July 2023 | Design Patent Government of India | International | Published | Mr. T. S. Sargar |
| 398956-001 | Laser Beam Machining for Aluminum Alloy | 1 st Nov 2023 | Design Patent Government of India | International | Published | Mr. T. S. Sargar |
| 2321-1067 | Surface Roughness Analysis of SS 316L Material in Fiber and CO ₂ Laser Beam Machining | Feb 2024 | Rex journal | International | Published | Mr. T. S. Sargar |
| 2198-7688 | Design and Manufacturing of Sheet Metal Bending Machine | 2021 | International Journal of Contemporary Architecture | National | Published | Mr. T. S. Sargar |
| 2198-7688 | Design Of Powder Refilling Machine. | 2021 | International Journal of Contemporary Architecture | National | Published | Mr. T. S. Sargar |
| 2198-7688 | Design & Manufacturing of Centreless Wheel Assembly | 2021 | International Journal of Contemporary Architecture | National | Published | Mr. T. S. Sargar |
| 2233-7857 | Development in Eco- friendly Solar Powered Tricycle for Handicapped Person | 2020 | International Journal of Future Generation Communication and Networking | National | Published | Mr. T. S. Sargar |
| 2233-7857 | Design and fabrication of Vaccum Breker Device to Avoid Tank Distortion | 2020 | International Journal of Future Generation Communication and Networking | National | Published | Mr. T. S. Sargar |
| 2349-5162 | Eco-Friendly Tricycle Vehicle for Physically Handicapped Person | 2019 | JETIR | National | Published | Mr. T. S. Sargar |
| 2349-5162 | Conversion Of IC Engine Bike into Electric Motor Bike | 2019 | JETIR | National | Published | Mr. T. S. Sargar |
| 2321-8171 | Analysis Fabrication and Testing of Vertical Axis Wind Turbine | 2018 | International Journal on Recent and innovation Trends in Computing and Communication | National | Published | Mr. T. S. Sargar |
| 2394-4099 | Design and Study of a Turn over Device to Tilt the Locomotive Engine from Vertical Position to Horizontal Position by Considering Ergonomics and Safety | 2017 | IJSRD | National | Published | Mr. T. S. Sargar |
| 2321-7332 | Analysis Fabrication and Testing of Vertical Axis Wind Turbine | 2017 | IJTRA | National | Published | Mr. T. S. Sargar |

Membership Details

| Membership Body | | Details | Duration | Level |
|-----------------|----------------|-------------|----------|-------|
| ISTE | LM112738, 2016 | Life-Member | National | ISTE |

Declaration

I hereby declare that all the above information furnished by me are true to the best of my knowledge.

Date: 31 July 2024

Name: **Tukaram Shivaji Sargar**