

RESUME

Dr. Lalit K. Toke
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OBJECTIVE:

To put the best use of my knowledge, capabilities, and skills for the development of the organizations/ institute.

WORK EXPERIENCE:

1. Position Held: Associate Professor in Mechanical Engineering, Sandip Institute of Engineering and Management, Nashik.
Duration from 06-05-2016 to till date.
2. Position Held: Associate Professor in Mechanical Engineering, ShriSantGadge Baba College of Engineering and Technology, Bhusawal.
Duration from 01-03-2012 to 05/05/2016.
3. Position Held: Assistant Professor in Mechanical Engineering, ShriSantGadge Baba College of Engineering and Technology, Bhusawal.
Duration from 01-11-2007 to 28-02-2012
4. Position Held: Lecturer in Mechanical Engineering, Shri Sant Gadge Baba College of Engineering and Technology, Bhusawal.
Duration from 28-01-2002 to 30-10-2007
5. Position Held: Asst. Works Manager, Hindustan Petromers, Jalgaon.
Duration from: 05-01-2000 to 15-01-2002.

APPROVAL

1. Approved as **Associate Professor** (Full Time) in Mechanical Engineering of **Savitribai Phule Pune University, Pune** with effect from 19/12/2017.
2. Recognition as a Ph.D research guide of **Savitribai Phule Pune University, Pune** with effect from 20/09/2021.
3. Academic Approval for the post of Workshop Superintendent of **Savitribai Phule Pune University, Pune**, with effect from 25/09/2017 to end of Academic Year 2017-2018.
4. Approved as a Lecturer (Full Time) in Mechanical Engineering of **North Maharashtra University, Jalgaon**, with effect from 01/07/2009.
5. Recognized as a Post Graduate Teacher in Mechanical Engineering of **North Maharashtra University, Jalgaon**, with the effect from 13/04/2012.

EDUCATIONAL QUALIFICATION:

1. **Ph.D (Mechanical Engineering) Completed on 14.11.2014**

Research Centre–S.G.S. Institute of Technology (Govt.Aided Autonomous), Indore.
University - Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal.
(*University of Technology M.P.*)

Advisor- Dr.R.C.Gupta, Professor, Department of Industrial and Production Engineering, S.G.S.I.T.S.Indore.

Co-advisor- Dr.Milind Dandekar, Professor and Head, Department of Industrial and Production Engineering, S.G.S.I.T.S.Indore

2. M.E.(Mechanical-Advanced Production System)-

From Smarat Ashok Technological Institute, Vidisha, Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal. (University of Technology, M.P.). With First Class (70.07%) in June-2001.

3. B.E.(MECHANICAL)-

From J.T.Mahajan College of Engineering, Faizpur.North Maharashtra University, Jalgaon. With First Class (63.78%) in June-1999.

PROJECT WORK:

1. Study of Green Supply Chain Management in Manufacturing Industries (Ph.D)

Brief Dissertation Profile:

The central purpose of this study is to establish the measures and approaches for implementing GSCM practices in manufacturing industries in response to critical success factors. The analytic hierarchy process (AHP), which is applied to determine the relative importance of different approaches, is extremely crucial, since the result can be used by managers for implementing and adopting their own GSCM practices. This study is limited to Indian manufacturing industries only; nevertheless, it can be extended to meet the need of the special categories of the industries after identification of the key critical success factor. This model is simple to understand and will help to manufacturing industries in their journey of GSCM.

2. Development of Material Requirement Planning for Job-Shop Industry (M.E.)

Brief Thesis Profile:

This Project is carried out in Kalyani Brakes Ltd. Jalgaon to generate MRP output report with the help of MRP software developed in “Turbo C”

3. Design and Manufacturing of Z Type Bucket Chain Conveyor (B.E.)

Brief Project Profile:

When Z-type bucket chain conveyor is at work the bucket will always be in upright position. Whatever they are moving horizontally and vertically except at the place, where they discharge. Most applicable in construction sites, chemical industries etc.

Other Responsibility

1. From 15 May 2017 to till date as workshop superintendent at S.I.E.M Nashik
2. In charge as annual social gathering “SANDIPOTSAV-2019” at S.I.E.M Nashik.
3. From 22 July 2019 to till date as NAAC- IQAC coordinator at S.I.E.M Nashik.
4. From 12 March 2022 to till date as Dean Administration at S.I.E.M Nashik.

TRAINING AND WORKSHOP ATTENDED: -

1. Computer Application in Mechanical Engineering (CAME -03), Sponsored by I.S.T.E. New Delhi. Held at Yashwantrao Chavan College of Engineering Nagpur. Duration Two Weeks (Nov. 17-30, 2003).
2. Industrial Vibration – A Diagnostic Approach, Organized by Pravara Rural Engineering College, Loni, Dist. -Ahmednagar. Duration Two Days (April 1 – 2, 2005)
3. QIP-Short Term Course on “Micro/Nano Tribology” Organized by Indian Institute of Technology Bombay. Duration(Jan. 1-5, 2007)
4. TEQIP –Short Term Course on Recent Trends in Industrial and Production Engineering at S. G.S. Institute of Technology and Science, Indore, Duration (Nov.10-14,2008)
5. Faculty development Including Research Methodology and Mathematical Modeling in Engineering & Technology, at S.S.G.B. College of Engineering and Technology, Bhusawal. Duration (Nov. 2-7,2009)
6. High impact teaching skills”, by Dale Carnegie and Associates, Inc. Trainer and Wipro Limited, Bangalore, at S.S.G.B. College of Engineering and Technology, Bhusawal. Duration (April 19-24,2010)
7. Finite element analysis and their engineering applications, Sponsored by I.S.T.E. New Delhi. Held at S.S.G.B.College of Engineering and Technology, Bhusawal. Duration (October 25-30, 2010)
8. Energy Conservation, organized by J.T.Mahajan College of Engineering, Faizpur. Duration (February 14-15, 2011)
9. Syllabus structure framing for engineering and technology, NMU, Jalgaon at R.C.Patel Institute of Technology, Shirpur on Feb.11, 2012.
10. Aakash for Education, under the National Mission on Education through ICT (MHRD), on Nov.10-11,2012
11. Matlab Fundamentals & Applications, Sponsored by I.S.T.E. New Delhi. Held at S.S.G.B.College of Engineering and Technology, Bhusawal. Duration (April 22-27, 2013)
12. Fluid Mechanics, conducted by Indian Institute of Technology Kharagpur, held at S.S.G.B. College of Engineering and Technology, Bhusawal. Duration (May 20-30, 2014)
13. Condition monitoring of rotating machinery using vibration analysis”, held at S.R.E.S.C.O.E. Kopergaon (6/10/2016)
14. Capacity Building Workshop Strengthening Industry-Academia collaboration, held at Lonawala, Supported By: Program for Modernization and Innovation Promotion in Micro, Small, and Medium-sized Enterprises in India (MSME INNO)
15. Faculty Development Program for Student Induction (FDP-SI), All India Council for Technical Education (AICTE) held at Sandip Institute of Engineering and Management, Nashik. Duration: 9 - 15 December 2019

PAPER PRESENTED IN NATIONAL CONFERENCE: -

1. Mechatronics, National Conference on Advances in Mechanical Engineering Sciences, held at Shri Siddhartha Institute of Technology, Tumkur (Karnataka) on Sept.24 – 25,2004.
2. Biomass Gasifier, National Conference on Energy from Biomass held at Lakshmi Narain College of Technology, Bhopal on March 11- 13,2005.
3. Supply Chain Management, National Conference on Innovations in Mechanical Engineering, held at J.T.M. College of Engineering, Faizpur on March 29-30, 2007.
4. Vibration Control by Electro and Magneto-Rheological Fluid, National Conference on Recent Developments & Futuristic Trends in Mechanical Engineering held at Shri Ram College of Engineering and Management Gwalior on April 28-29, 2007.
5. Multi Design Optimization –Fluid Structure Interaction. National Conference on Computer Applications in Manufacturing Process held at Sinhgad Institute of Technology, Lonawala on March 13-14, 2008.
6. Finite Element Modeling of Plastic Crack Growth Phenomenon, National Conference on Computer Applications in Manufacturing Process, held at Sinhgad Institute of Technology, Lonawala on March 13-14, 2008.
7. Nanotechnology, National Conference ORION- 08 held at Pravara Rural Engineering College, Loni, Dist.-Ahmednagar on March 29-30, 2008.
8. Environmental SCM using life cycle assessment to structure supply chain, National Conference on Innovations in Mechanical Engineering, held at J.T. Mahajan College of Engineering, Faizpur on Jan. 28-29, 2010.
9. Identifying the relative importance of implementation strategies in GSCM practices via Fuzzy Analytical Hierarchy Process, National Conference on Recent Trends in Mechanical Engineering, held at MET's Institute of Engineering, Nasik on March 3-6, 2010.
10. Modern technology in direct digital manufacturing, 2nd National Conference on Recent Innovations in Engineering, Science and Technology, held at Sandip Institute of Engineering and Management, Nashik on 15-16 April 2019.

PAPER PRESENTED IN INTERNATIONAL CONFERENCES: -

1. Reverse Supply Chain in Paper Recycling Industry, International Conference "TEAMTECH -2008" held at Indian Institute of Science (IISc.) Bangalore on Sept.22-25, 2008.
2. Green Supply Chain Management: A Review of Literature and Framework for Future Investigation, International Conference on Recent Advances in Material Processing Technology, held at National Engineering College, Kovilpatti (TN) on Feb.25-27, 2009.
3. How green is the supply chain? Practice and research, International conference on Advances in Industrial Engineering Application "ICAIEA 2010" held at

department of Industrial Engineering, Anna University Chennai, India on Jan.6-8, 2010.

4. Design and Development of Material Handling Robot, International Conference on Emerging Trends in Engineering and Technology, virtual conference, 28-29 May 2020, Organized by S.I.E.M, Nashik and IFERP.
5. Design and Construction of Solar and Wind Hybrid Power Generation System, International Conference on Emerging Trends in Engineering and Technology, virtual conference, 28-29 May 2020, Organized by S.I.E.M, Nashik and IFERP.
6. Design and Development of Fire Fighting Robot and Android Controller, International Conference on Emerging Trends in Engineering and Technology, virtual conference, 28-29 May 2020, Organized by S.I.E.M, Nashik and IFERP.

PAPER PUBLISHED IN JOURNALS: -

1. Technique to optimize the supply chain in reverse logistics, (June2010) Industrial Engineering Journal, Volume II & Issue No.12, Pp 04-10.
2. Green Supply Chain Management: Conceptual Basis and Current Status, (March-2011), International Journal of Computer Application in Engineering, Technology and Sciences (IJ-CA-ETS), Volume 3: Issue1, March 2011, Pp 223-228.
3. The implementation and barriers of green supply chain management in Indian manufacturing industries, (March 2012) International Journal of Innovation of Mechanical and Automobile Engineering, Volume- I, Issue-2, 2012, pp 91-97.
4. An empirical study of green supply chain management in Indian perspective, (2012), International Journal of Applied Science and Engineering Research, ISSN: 2277-9442, Vol.1, No.2, pp. 372-383.
5. Green supply chain management: practices, performance and pressure within manufacturing industry, (2013), International Journal of Emerging Technologies in Computational and Applied Sciences. ISSN (Print): 2279-0047, (Online): 2279-0055, Vol. 2, Issue 6, pp.122-127.
6. Study on optimal location and optimal voltage for piezo-electric actuator on aluminum cantilever plate, (Nov.-2013), International Journal of Engineering Research and Industrial Applications, ISSN: 0974-1518, Vol. 6, No. IV, pp.119-126.
7. Optimization of demand based remanufacturing cost estimation model, International Research Journal of Engineering and Technology (IRJET), (June-2015), ISSN: 2395-0072 (Print) 2395-0056 (Online), Vol.2, No.3, pp.1687-1696, UGC Journal List No.-45170.
8. Study on optimal voltage for piezoelectric actuator in vibration control of cantilever beam using Ansys, (2016), International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS), ISSN: 2279-0047, Vol.16, No.219, pp.42-47.
9. Vendor evaluation using MCDM method (GTMA), International journal scientific review and research in engineering and technology, (Oct.-2016), ISSN: 2455-3603, Vol.1, No.6, pp.11-22.

10. Design & Fabrication of an Auto cutter Rubber Sheet Cutting, (2017), International Journal for Scientific Research & Development, Vol. 5, Issue 03, ISSN (online): 2321-0613
11. A framework of enablers relationship for implementation of green manufacturing in Indian context, (2018), International Journal of Sustainable Development & World Ecology, ISSN: 1350-4509 (Print) 1745-2627 (Online) Vol.-25, Issue-4, Pp-303-311, **(Taylor & Francis Group, SCI, and Scopus Index, Impact Factor-3.15, Q1)**
12. Design and fabrication of pneumatic three axis dumping trolley, (April-2018), International Journal of Institutional & Industrial Research, ISSN: 2456-1274, Vol. 3, Issue 1, Jan- April 2018, pp.61-63.
13. Design and Manufacturing of Solar Operated 3 in 1 Agricultural Mechanism, (2019), International Journal of Recent Trends in Production Engineering, Vol.2, Issue-2, HBRP Publication, pp 1-6.
14. Design and fabrication of die threading machine, (2019), International Journal of Advanced Research in Industrial Engineering, HBRP Publication, Vol.-1, Issue-2.
15. Design and Development of Activated Carbon-Based Purification System for Automobile Emissions, (2019), International Journal of Recent Trends in Automation and Automobile Engineering, HBRP Publications, Vol.-2, Issue-2.
16. Critical success of green manufacturing for achieving sustainability in Indian context, (2019), International Journal of Sustainable Engineering, **(Taylor & Francis Group, SCI, and Scopus Index, Impact Factor-2.30, Q2)**, Vol.-12, Issue-6, Pp.- 415-422, ISSN: 1939-7038 (Print) 1939-7046 (Online)
17. Total quality management in small and medium enterprises: An overview in Indian context, (2020), Quality Management Journal, **(Taylors & Francis Group, SCI, and Scopus Index, Impact Factor-1.48, Q3)**, ISSN: 1068-6967 (Print) 2575-6222 (Online), Vol.-27, Issue-3, Pp-159-175.
18. Assessment of Green Supply Chain Management practices, performances, pressures and barriers amongst Indian manufacturer, (2020), International Journal of Productivity and Performance Management **(Emerald Publication, SCI and Scopus Index, Impact Factor-2.77, Q2)**, Vol. 70 No. 8, pp. 2237-2257 <https://doi.org/10.1108/IJPPM-02-2020-0045>, ISSN-1741-0401
19. Optimization of machining parameter of Inconel 718 in turning operation for Green Productivity-A Review, (2020), Journal of Solid-State Technology **(Scopus Index)** Volume: 63 Issue: 5, ISSN-0038-111X, Page 3159-3169.
20. Design and Development of Fire Fighting Robot and Android Controller, (2020), International Journal of Disaster Recovery and Business Continuity **(Web of Science Index)**, Science & Engineering Research Support Society, Australia, Vol.-11, No.-3, ISSN:2005-4289 (Print), 2207-6425 (Online), pp. 2175–2180, **Published on 01/11/2020.**
21. Design and Development of Material Handling Robot, (2020), International Journal of Disaster Recovery and Business Continuity **(Web of Science Index)**, Science & Engineering Research Support Society, Australia, Vol.-11, No.-3, ISSN:2005-4289 (Print), 2207-6425 (Online), pp. 2110–2119, **Published on 01/11/2020.**

22. Design and Construction of Solar and Wind Hybrid System, (2020), International Journal of Disaster Recovery and Business Continuity (**Web of Science Index**), Science & Engineering Research Support Society, Australia, Vol.-11, No.-3, ISSN-2005-4289 (Print), 2207-6425 (Online), pp. 2240–2250, **Published on 01/11/2020.**
23. Strategic planning to investigate the decision index of organization for effective total quality management implementation- In context of Indian small and medium enterprises, (2021), Journal of Engineering, Design and Technology, (**Emerald Publication, SCI and Scopus Index, Impact Factor-1.47, Q3**), <https://doi.org/10.1108/JEDT-11-2020-0447>, Paper published on 26 Feb. 2021, Vol. 20 No. 3, pp. 749-776, ISSN-1726-0531.
24. A review on the identification of total productive maintenance critical success factors for effective implementation in the manufacturing sector, Journal of Quality in Maintenance Engineering, (**Emerald Publication, SCI, and Scopus Index, Impact Factor-1.51, Q2**), Vol. ahead-of-print No. ahead-of-print. Paper published on 16/12/2021, ISSN-1355-2511, <https://doi.org/10.1108/JQME-11-2020-0118>.
25. Reliability analysis and hypothesis testing of critical success factors of total productive maintenance, International Journal of Quality & Reliability Management, (**Emerald Publication, SCI, and Scopus Index, Impact factor-2.77, Q2**), Vol. 40 No. 1, pp. 238-266, Paper published on 06/01/2022, DOI 10.1108/IJQRM-03-2021-0068. ISSN-0265-671X.
26. Vibration analysis and control of cracked beam using finite element method by using ANSYS, World Journal of Engineering, (**Emerald Publication, Scopus Index, Impact factor-1.77, Q3**), Paper published on 26/05/2022.
27. Critical analysis of green accounting and reporting practises and its implication in the context of Indian automobile industry, Journal of Environment, Development and Sustainability (**Springer Publication, Scopus Index, Impact factor-4.080, Q1**), DOI : 10.1007/s10668-022-02816-3, Paper published on 27/12/2022.
28. An Assessment of key performance indicators and its relationship for implementation of total productive maintenance in manufacturing sector, International Journal on Interactive Design and Manufacturing (IJIDeM), (**Springer Publication, Scopus Index, Impact factor-2.08, Q2**), Paper accepted on 26/01/2023.

Citations – 425 as on 02/02/2023 & h index – 08

Book Chapter

“Linkages between Critical Success Factors and Factors of Workforce Performance in Remanufacturing Industry”, Designing Workforce Management Systems for Industry 4.0 Data-Centric and AI-Enabled Approaches, ISBN HBK: 978-1-032-40824-8 PBK: 978-1-032-41265-8 EBK: 978-1-003-35707-0 **Published by CRC Press, Taylor & Francis Group, LLC, 6000 Broken Sound Parkway NW, Suite 300, Boca Raton, FL 33487, U.S.A., Book chapter accepted on 11 October 2022.**

COORDINATOR

1. International Conference on Emerging Trends in Engineering and Technology (ICETET-2020), virtual conference, 28-29 May 2020, Organized by S.I.E.M, Nashik and IFERP.
2. An online course, recognized by Skill Council for Green Jobs, conducted from 01 May 2019 to 31 Dec 2019 for Student Solar Ambassador Workshop 2019, by Indian Institute of Technology Bombay.
3. International Conference on Emerging Trends in Engineering and Technology (ICETET-2021), virtual conference, 7-8 July 2021, Organized by S.I.E.M, Nashik and IFERP.

REVIEWER OF INTERNATIONAL JOURNALS

1. International Journal of Quality & Reliability Management, SCI and Scopus Index, Emerald Publishing Group. (Score-4)
2. International Journal of Total Quality Management & Business Excellence, SCI and Scopus Index, Taylor and Francis Group. (Score-11)
3. International Journal of Sustainable Development & World Ecology, SCI and Scopus Index, Taylor and Francis Group. (Score-1)
4. Journal of the Brazilian Society of Mechanical Sciences and Engineering, SCI and Scopus Index, Springer Publications. (Score-1)
5. Quality Management Journal, SCI and Scopus Index, Taylor and Francis Group. (Score-8)
6. International Journal of Logistics, SCI and Scopus Index, Taylor and Francis Group. (Score-2)

SESSION CHAIR

1. International Conference on Emerging Trends of Manufacturing, Engines and Modeling 2015 held at NMIMS Shirpur (Maharashtra) on 27 & 28 Feb. 2015.
2. National level technical symposium on undergraduate projects on 20-22 June 2020 held at Guru Gobind Singh College of Engineering and Research Centre, Nashik.
3. International Conference on Research challenges to multi-disciplinary innovations, held at Guru Gobind Singh College of Engineering and Research Centre, Nashik on 31 March 2021.
4. 2nd International Conference on Emerging Trends in Science, Engineering and Management (ICETSEM-2021) held at GM Institute of Technology, Davangere, Karnataka, India on 15 & 16 July 2021

PATENTS:

1. Design and Development of Automatically Operated Spring Stiffness Testing Machine. Application No. 201821011343/ India 2018, Date 27/03/2018
2. Design and manufacturing of shock absorber test rig. Application No. 201821011345/ India 2018, Date 27/03/2018

MEMBERSHIP:

1. Life Member of “Institution of Engineering (Fellow)” F-1230588
2. Life Member of “Indian Society for Technical Education” LM -37668.
3. Life Member of “Indian Institution of Industrial Engineering” MIIE-9399.
4. Membership of “Industrial Engineering and Operations Management” (IEOM).
5. Professional Member of Institute of Engineering Research and Publication (IFERP)

PERSONAL PROFILE:

NAME	: Lalit Kashinath Toke
DATE OF BIRTH	: 24 th June 1977
MARITAL STATUS	: Married
LANGUAGES KNOWN	: Marathi, Hindi, and English

Declaration: I undersigned declare that the above information is true to the best of my knowledge and belief.

Date: 02/02/2023

Place: Nasik

Lalit Kashinath Toke