

BIODATA

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Educational Qualification

Degree	University	Specialization	Year of passing
Ph.D.	Visvesvaraya Technological University, Belagavi	Lean Six Sigma	2016
M. Tech.	Manipal University	Engineering Management	2005
B. E.	Manipal University	Mechanical Engineering	2003
MBBSS (Master Black Belt in Six Sigma)	Indian Statistical Institute (ISI), Bangalore	Six Sigma (Certificate No.: ISI/2017/MBB27/09)	2017

Awards/Recognition

- **Associate Editor** – Journal of Engineering Education Transformation (<http://www.journaleet.org/index.php/jeet/pages/view/eb>) Scopus Indexed Journal.
- **Editorial Advisory Board Member** of International Journal of Lean Six Sigma (http://www.emeraldgrouppublishing.com/products/journals/editorial_team.htm?id=ijlss) - Scopus Indexed and WoS Indexed Journal.

- **Editorial Advisory Board Member** of Journal of Production and Operations Management (<https://jpom.ui.ac.ir/journal/editorial.board?lang=en>)
- **Outstanding Reviewer Award** - by The TQM Journal (Emerald Publishers - UK) for the year 2023.
- **Outstanding Reviewer Award** - by the International Journal of Lean Six Sigma (Emerald Publishers - UK) for the year 2022.
- **Best Paper Award** - “Constructive Methodologies to Overcome the Technological Barriers in Online Teaching-Learning Process”, Authored by Sathyendra Bhat, Ragesh Raju, **Shreeranga Bhat**, Rio D’Souza, Athokpam Bikramjit Singh, in the 8th International Conference on ‘Transformations in Engineering Education (ICTIEE 2021)’ powered by Indo-Universal Collaboration on Engineering Education (IUCEE) held on 8-10 Jan 2021 using online platform.
- **Best Paper Award** - “Application of Robust Engineering Approach for DC Motor Controller Design”, Authored by Vinayambika S Bhat, **Shreeranga Bhat**, Gijo E V, in the International Conference on ‘Advanced Smart and Sustainable Technologies in Engineering (GCASSTE-2020)’ held on 30-31 Jan 2020 at Mangalore Institute of Technology and Engineering, Moodabidri, Karnataka.
- **Best Paper Award** - “Effective Deployment of Outcome Based Education: Strategies based on Motivational Models”, Authored by **Shreeranga Bhat**, Rio D’Souza, Sathyendra Bhat, Ragesh Raju, Pavana Kumara B, in the 7th International Conference on ‘Transformations in Engineering Education (ICTIEE 2020)’ powered by Indo-Universal Collaboration on Engineering Education (IUCEE) held on 6-8 Jan 2020 at Anurag Group of Institutions, Hyderabad.
- **“2015 Highly Commended Paper Award”** for the research article titled, ‘Application of Six Sigma Methodologies in a Small Scale Foundry Industry’ by the International Journal of Lean Six Sigma (Emerald Publishers - UK)
- A research article titled ‘Application of Lean Six Sigma Methodology to Reduce the Cycle Time of Out-Patient Department Service in a Rural Hospital’ was selected for the press release, as **“Potentially being of Broad Interest on Society”**, August 2014 by the International Journal of Healthcare Technology and Management (Inderscience Publishers - UK).
- **Best Paper Award** - “Design of Multi-Loop Controller for Minimization of Energy Consumption in the Distillation Column”, Authored by Vinayambika S. Bhat, S. Shanmuga Priya, I. Thirunavukkarasu, **Shreeranga Bhat**, in the International

Conference on Information and Communication and Communication Engineering (ICICE), organized by International Scientific Research and Experimental Development, Chicago, USA, during 19th and 20th September 2016.

Work Experience: 15 years

Teaching Experience: 17 Years

Research Experience: 5 years

Canara engineering College: 1 year (July 2005 to September 2006)

St Joseph Engineering College: 16 years (September 2006 to till date)

Funded Research Project:

Title: Upskilling and Reskilling of Artisans in Dakshina Kannada, Udupi and Uttara Kannada Districts with respect to Skill India Mission of Pradhan Mantri Kaushal Vikas Yojana 4.0

Funding Agency: Indian Council of Social Science Research

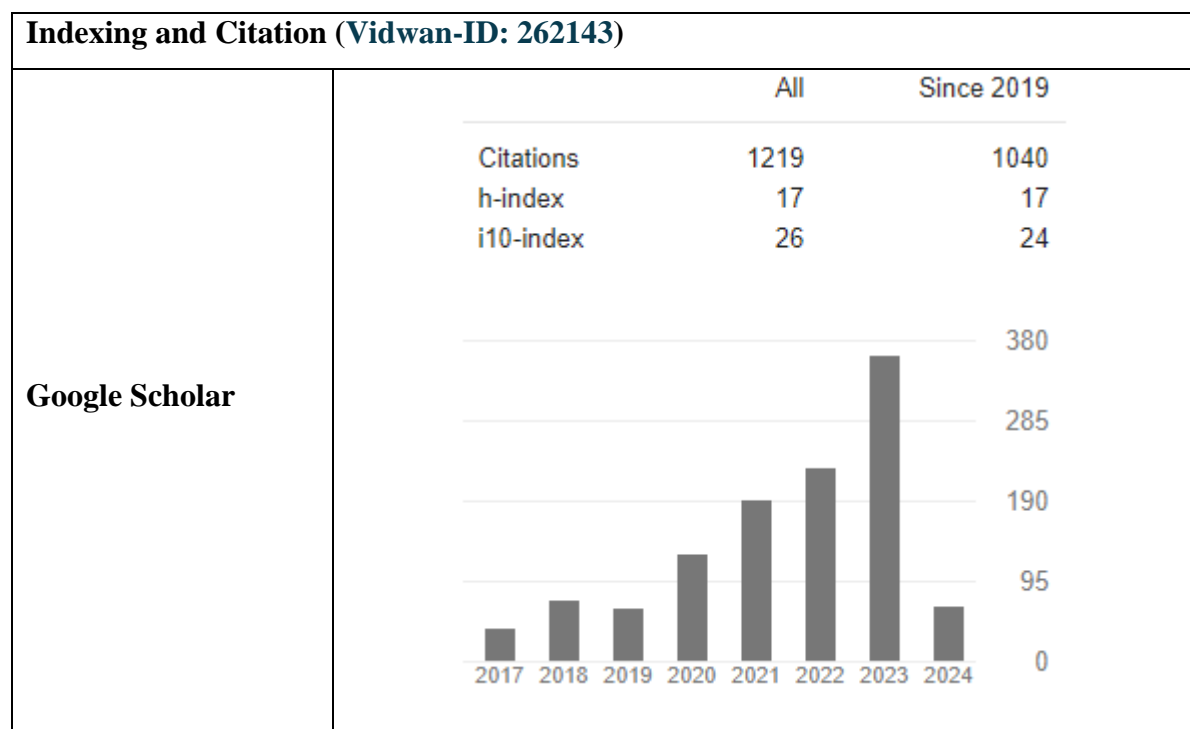
Amount: Rs. 12,00,000





Scheme: Special Call for Short-term Empirical Research 2023-24 (ICSSR-CRP-2023-99)

Duration: Sep 2023 – Feb 2023

Role: Co-PI

Research Papers Presented



Scopus (56122357600)	739 Citations by 510 documents	48 Documents	14 h-index View h-graph
Publons (AAP-9239-2020)	37 Publications in Web of Science	498 Sum of Times Cited	11 H-Index
Altmetrics	 2	 4	 4  318

Ph.D. Guided/Guiding

1. Ajay Kaushik Noronha (UNS: SUPHDENG2018/01) completed the PhD on the topic “A Study On Implementation Of Lean Six Sigma Strategy In Service Sector Organization (Dental College Hospital)” on 27 August 2021 at Department of Mechanical Engineering, School of Mechanical Engineering, Srinivasa University, Mangaluru, Karnataka.
2. Pavana Kumara B (USN: 4SO17PMA01) completed the PhD on the topic “Experimental and Statistical Study of Natural Fiber Reinforced Polymer Nanocomposite” on 1 August 2022 at Department of Mechanical Engineering, St Joseph Engineering College, Visvesvaraya Technological University, Belagavi, Karnataka.
3. Anil Melwyn Rego (USN: 4SO17PMA03) registered for the PhD on the topic “A Study of the Implementation of Design for Lean Six Sigma (DFLSS) Strategy for Product Development” on 6 Feb 2017 at Department of Mechanical Engineering, St Joseph Engineering College, Visvesvaraya Technological University, Belagavi, Karnataka.
4. Poornesh M (USN: 4SO19PME04) registered for the PhD on the topic “Experimental and Statistical Analysis of Aluminium Based Functionally Graded Materials” on 23 Mar 2019 at Department of Mechanical Engineering, St Joseph Engineering College, Visvesvaraya Technological University, Belagavi, Karnataka.
5. Sathyendra Bhat (USN: 4SO20PCS02) registered for the PhD on the topic “Development of Lean Six Sigma Framework for Software Development ” on 3 Dec 2021 at Department of Computer Science and Engineering, St Joseph Engineering College, Visvesvaraya Technological University, Belagavi, Karnataka.

International Journals

- [1].P.R. Srijithesh, E.V. Gijo, Pritam Raja, **Shreeranga Bhat**, S. Mythirayee, Ashok Vardhan Reddy Taallapalli, Girish B. Kulkarni, Jitendra Siani, and H.R. Aravinda (2024), "Leveraging Lean Six Sigma principles in an Indian tertiary care hospital: a case study", *International Journal of Quality & Reliability Management*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/IJQRM-01-2024-0025>
- [2]. Jiju Antony, **Shreeranga Bhat**, Anuj Mittal, Raja Jayaraman, E.V. Gijo & Elizabeth A. Cudney (2024), "Application of Taguchi design of experiments in the food industry: a systematic literature review", *Total Quality Management & Business Excellence*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1080/14783363.2024.2331758>
- [3].Jiju Antony, **Shreeranga Bhat**, Michael Sony, Anders Fundin, Lars Sorqvist, Raul Molt eni (2024), "Sustainable development through quality management: a multiple-case study analysis of triumphs, trials and tribulations", *The TQM Journal*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/TQM-12-2023-0424>
- [4].Vikas Swarnakar, Olivia McDermott, Michael Sony, **Shreeranga Bhat**, and Jiju Antony (2023), "Unveiling the path to sustainable quality 4.0 implementation in organisations: insights from an exploratory qualitative study", *The TQM Journal*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/TQM-07-2023-0201>
- [5].Maryam Zulfiqar, Michael Sony, **Shreeranga Bhat**, Jiju Antony, Willem Salentijn, and Olivia McDermott (2023), "Unlocking the potential: empirical analysis of enablers, barriers, benefits and technologies for integrating Industry 4.0 and Lean Six Sigma in manufacturing organisations", *The TQM Journal*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/TQM-05-2023-0130>
- [6].Jiju Antony, Arshia Kaul, **Shreeranga Bhat**, Michael Sony, Vasundhara Kaul, Maryam Zulfiqar, and Olivia McDermott (2023), "Critical failure factors for Quality 4.0: an exploratory qualitative study", *International Journal of Quality & Reliability Management*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/IJQRM-07-2023-0240>
- [7].Jiju Antony, Michael Sony, Bart Lameijer, **Shreeranga Bhat**, Raja Jayaraman and Leopoldo Gutierrez (2023), "Towards a design science research (DSR) methodology for operational excellence (OPEX) initiatives", *The TQM Journal*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/TQM-01-2023-0017>
- [8].Surekha Nayak, Anjali Ganesh, **Shreeranga Bhat**, and Roopesh Kumar (2023), "Routing TQM through HR strategies to achieve organizational effectiveness:

- the mediating role of HR outcomes in India", *The TQM Journal*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/TQM-05-2023-0138>
- [9]. Jiju Antony, **Shreeranga Bhat**, Anders Fundin, Michael Sony, Lars Sorqvist, Mariam Bader (2023), "Quality management as a means for micro-level sustainability development in organizations", *The TQM Journal*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/TQM-06-2023-0198>
- [10]. Vinayambika S. Bhat, Thirunavukkarasu Indiran, Shanmuga Priya Selvanathan and **Shreeranga Bhat** (2023), "Designing multivariable PI controller with multi-response optimization for a pilot plant binary distillation column: a robust design approach", *Journal of Engineering, Design and Technology*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/JEDT-12-2022-0616>
- [11]. **Shreeranga Bhat**, Jiju Antony, Gijo E.V., G., Rajesh Koul, Elizabeth A. Cudney, and Ayon Chakraborty (2023), "A study on critical failure factors of Design for Six Sigma in Indian companies: results from a pilot survey", *The TQM Journal*, Vol. 35 No. 4, pp. 1072-1093. <https://doi.org/10.1108/TQM-03-2022-0103>
- [12]. **Shreeranga Bhat**, Jiju Antony, J., Maher Maalou, Gijo E V and Souraj Salah (2023), "Applications of six sigma for service quality enhancement in the UAE: a multiple case study analysis and lessons learned", *International Journal of Lean Six Sigma*, Vol. 14 No. 7, pp. 1492-1517. <https://doi.org/10.1108/IJLSS-06-2022-0144>
- [13]. Jiju Antony, Olivia McDermott, Michael Sony, Aidan Toner, **Shreeranga Bhat**, Elizabeth A. Cudney & Mehran Doulatabadi (2022), Benefits, challenges, critical success factors and motivations of Quality 4.0 – A qualitative global study, *Total Quality Management & Business Excellence*, Vol. 34 No. 7-8, pp. 827-846, DOI: 10.1080/14783363.2022.2113737
- [14]. Jiju Antony, Vikas Swarnakar, Willem Salentijn, Alireza Shokri, Mehran Doulatabadi, **Shreeranga Bhat**, Olivia McDermott, Raja Jayaraman, Michael Sony (2022), "A global study on applicability of ISO 18404:2015 for SMEs: an exploratory qualitative study", *The TQM Journal*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/TQM-08-2022-0276>
- [15]. Poornesh M., **Shreeranga Bhat**, Gijo E.V., Pavana Kumara Bellairu, and Olivia McDermott (2022), "Multi-Response Modelling and Optimisation of Mechanical Properties of Al-Si Alloy Using Mixture Design of Experiment Approach", *Processes*, Vol. 10 No. 11, pp. 1-14. DOI: 10.3390/pr10112246

- [16]. Olivia McDermott, Jiju Antony, **Shreeranga Bhat**, Raja Jayaraman, Angelo Rosa, Giuliano Marolla and Ratri Parida (2022), Lean Six Sigma in Healthcare: A Systematic Literature Review on Motivations and Benefits, Processes, Vol. 10 No. 10, pp. 1910. DOI: 10.3390/pr10101910
- [17]. Olivia McDermott, Jiju Antony, **Shreeranga Bhat**, Raja Jayaraman, Angelo Rosa, Giuliano Marolla and Ratri Parida (2022), Lean Six Sigma in Healthcare: A Systematic Literature Review on Challenges, Organisational Readiness and Critical Success Factors, Processes, Vol. 10 No. 10, pp. 1945. DOI: 10.3390/pr10101945
- [18]. Swati Mathur, Jiju Antony, Olivia McDermott, Fabiane Lizarelli Letícia, **Shreeranga Bhat**, Raja Jayaraman, Ayon Chakraborty (2022). "An empirical study into the use of 7 quality control tools in higher education institutions (HEIs)", *The TQM Journal*, Vol. ahead-of-print No. ahead-of-print. DOI: 10.1108/TQM-07-2022-0222
- [19]. **Shreeranga Bhat**, Gijo E.V., Jiju Antony, and Jennifer Cross (2022), "Strategies for successful deployment and sustainment of Lean Six Sigma in healthcare sector in India: a multi-level perspective", *The TQM Journal*, Vol. 35 No. 2, pp. 414-445. DOI: 10.1108/TQM-10-2021-0302
- [20]. Mariam Ali Ramadan, Maha Khalifa Al Dhaheri, Maher Maalouf, Jiju Antony, **Shreeranga Bhat**, and Gijo E.V. (2022), "Application of Six Sigma methodology to enhance the productivity and performance of a hotel in the UAE", *The TQM Journal*, Vol. 35 No. 2, pp. 554-576. DOI: 10.1108/TQM-11-2021-0325
- [21]. Jiju Antony, James Lancaster, Olivia McDermott, **Shreeranga Bhat**, Ratri Parida, and Elizabeth A. Cudney (2023), "An evaluation of Lean and Six Sigma methodologies in the national health service", *International Journal of Quality & Reliability Management*, Vol. 40, No. 1, pp 25-52. DOI: 10.1108/IJQRM-05-2021-0140
- [22]. Ajay Noronha, **Shreeranga Bhat**, Gijo E.V., Jiju Antony, Alessandro Laureani, Chad Laux (2023), "Performance and service quality enhancement in a healthcare setting through lean six sigma strategy", *International Journal of Quality & Reliability Management*, Vol. 40 No. 2, pp. 365-390. DOI: 10.1108/IJQRM-07-2021-0226
- [23]. Jiju Antony, **Shreeranga Bhat**, Raja Jayaraman, Olivia McDermott, Michael Sony, and Ronald Snee (2022), "The genealogy of Quality 4.0", *ISE Magazine*, Vol. 54 No. 4, pp. 34-39. <https://www.iise.org/isemagazine/details.aspx?id=52932>. DOI: DOI:10.6084/M9.FIGSHARE.19658469.V1

- [24]. Pavana Kumara Bellairu, **Shreeranga Bhat**, Gijo E.V., and Poornesh M. (2022) “Multi-Response Modelling and Optimization of Agave Cantala Natural Fiber and Multi-wall Carbon Nano Tube Reinforced Polymer Nanocomposite: Application of Mixture Design”, *Fibers and Polymers*, Vol.23, No.4, pp. 1089-1099. DOI: 10.1007/s12221-022-4213-1
- [25]. Poornesh M., **Shreeranga Bhat**, Gijo E.V., and Pavana Kumara Bellairu (2022), “Multi-objective modelling and optimization of Al–Si–SiC composite material: a multi-disciplinary approach”, *Multiscale and Multidisciplinary Modeling, Experiments and Design*, Vol. 5 No. 1, pp. 53-66. DOI: 10.1007/s41939-021-00105-6
- [26]. Poornesh M., **Shreeranga Bhat**, Gijo E.V. and Pavana Kumara Bellairu (2022), "Enhancing the tensile strength of SiC reinforced aluminium-based functionally graded structure through the mixture design approach", *International Journal of Structural Integrity*, Vol. 13 No. 1, pp. 150-163. DOI: 10.1108/IJSI-07-2021-0067
- [27]. Ajay Noronha, **Shreeranga Bhat**, Gijo E.V., Jiju Antony and Suma Bhat (2022), "Application of Lean Six Sigma in conservative dentistry: an action research at an Indian dental college", *The TQM Journal*, Vol. 34 No. 4, pp. 675-700. DOI: 10.1108/TQM-03-2021-0078
- [28]. Gijo E.V., **Shreeranga Bhat**, Jiju Antony, and Sung H. Park (2021), "Ten commandments for successful implementation of Design for Six Sigma", *The TQM Journal*, Vol. 33 No. 8, pp. 1666-1682. DOI: 10.1108/TQM-01-2021-0014
- [29]. Vinayambika S. Bhat, **Shreeranga Bhat**, and Gijo E. V. (2021), “Simulation-based lean six sigma for Industry 4.0: an action research in the process industry”, *International Journal of Quality and Reliability Management*, Vol. 38 No. 5, pp. 1215-1245. DOI: 10.1108/IJQRM-05-2020-0167
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- [31]. **Shreeranga Bhat**, Rio D’Souza, E.S.M. Suresh, Sathyendra Bhat, Ragesh Raju, and Vinayambika S. Bhat (2021), “Dynamic classroom strategies to address learning diversity”, *Journal of Engineering Education Transformations*, 34(Special Issue), pp. 694–702. DOI: 10.16920/jeet/2021/v34i0/157168
- [32]. Sathyendra Bhat, Ragesh Raju, **Shreeranga Bhat**, Rio D’Souza, and Athokpam Bikramjit Singh (2021), “Constructive methodologies to overcome the technological

- barriers in online teaching-learning process”, *Journal of Engineering Education Transformations*, 34(Special Issue), pp. 707–712. DOI: 10.16920/jeet/2021/v34i0/157170
- [33]. Ragesh Raju, Sathyendra Bhat, **Shreeranga Bhat**, Rio D’Souza, and Athokpam Bikramjit Singh (2021), “Effective usage of gamification techniques to boost student engagement”, *Journal of Engineering Education Transformations*, *Journal of Engineering Education Transformations*, 34 (Special Issue), pp. 713–717. DOI: 10.16920/jeet/2021/v34i0/157171
- [34]. Poornesh M., **Shreeranga Bhat**, Rio D'Souza, E.S.M. Suresh, and Vinayambika S. Bhat (2021), “Comprehensive strategy to inculcate professional skills among first-year students: A collaborative learning approach”, *Journal of Engineering Education Transformations*, 34(Special Issue), pp. 599–606. DOI: 10.16920/jeet/2021/v34i0/157228
- [35]. Vinayambika S. Bhat, **Shreeranga Bhat**, and Gijo E. V. (2020), “Robust design of proportional integral controllers: a Taguchi-grey approach”, *International Journal of Modelling, Identification and Control*, Vol. 35, No. 4, pp. 363-375. DOI: 10.1504/IJMIC.2020.114791
- [36]. **Shreeranga Bhat**, Gijo E. V., Anil M. Rego, and Vinayambika S Bhat (2021), “Lean Six Sigma competitiveness for micro, small and medium enterprises (MSME): an action research in the Indian context”, *The TQM Journal*, Vol. 33 No. 2, pp. 379-406. DOI: 10.1108/TQM-04-2020-0079
- [37]. Vandana Sadananda, Gowrish S, **Shreeranga Bhat**, Thilla Sekar, Savadamoorthi Kamatchi Subramani (2021), Effect of Storage Time and Extraction Media on the Elution of Residual Monomer from Resin based Restorative Materials using HPLC, Natural Volatiles and Essential Oils, Vol. 8 No. 5, pp. 1-7. DOI: 10.37929/nveo
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- [39]. Vinayambika S. Bhat, **Shreeranga Bhat**, Gijo E. V. (2020), “Application of Robust Engineering Approach for DC Motor Controller Design”, *International Journal of Advanced Science and Technology*, Vol. 29 No. 7, pp. 11275-11282. DOI: 10.6084/m9.figshare.19697842.v1

- [40]. **Shreeranga Bhat**, Jiju Antony, Gijo E.V., and Elizabeth A. Cudney (2020), “Lean Six Sigma for the healthcare sector: A Multiple Case Study Analysis from the Indian Context”, *International Journal of Quality & Reliability Management*, Vol. 37 No. 1, pp. 90-111. DOI 10.1108/IJQRM-07-2018-0193
- [41]. **Shreeranga Bhat**, Rio D’Souza, Sathyendra Bhat, Ragesh Raju, and Pavana Kumara Bellairu (2020), “Effective Deployment of Outcome Based Education: Strategies based on Motivational Models”, *Journal of Engineering Education Transformation*, Vol. 33, pp. 164-169. DOI: 10.16920/jeet/2020/v33i0/150136
- [42]. Sathyendra Bhat, Ragesh Raju, **Shreeranga Bhat**, and Rio D’Souza (2020), “Enhancing the Teaching-Learning Process through Collaborative Learning”, *Journal of Engineering Education Transformation*, Vol. 33, pp. 164-169. DOI: 10.16920/jeet/2020/v33i0/150140
- [43]. Ajay Noronha, **Shreeranga Bhat**, and Suma Bhat (2020), “Application of Lean Six Sigma-TRIZ Methodology in Product Development”, *Solid State Technology*, Vol. 63 No. 5, pp. 658-666. DOI: 10.6084/m9.figshare.19697872.v1
- [44]. Ajay Noronha, **Shreeranga Bhat**, and Suma Bhat (2019), “Deployment of Outcome Based Education- A Case Study Approach in A Private University in South India”, *Journal of Critical Reviews*, Vol. 6 No. 6, pp 2603-2609. DOI: 10.6084/m9.figshare.19697908.v1
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- [57]. **Shreeranga Bhat** and Jnanesh N.A. (2013), "Enhancing Performance of the Health Information Department of a hospital using Lean Six Sigma Methodology", *International*

National Journals

- [1]. **Shreeranga Bhat** and Jnanesh N.A. (2013), Transforming Higher Education with Lean Six Sigma, *HEF Indian Journal of Higher Education*, Vol. 3, No. 2, pp. 81-85. (Higher Education Forum). ISSN: 0976 - 1314

International Conferences

- [1]. Shreeranga Bhat (2022), “Application of Mixture Design of Experiment Approach for Design for Manufacturability (DFM)”, Eighth International Conference on Statistics for Twenty-First Century – 2022 (ICSTC-2022) organized by Department of Statistics, University of Kerala, Trivandrum, India, 16–19 December 2022 at Trivandrum.
- [2]. Swati Mathur, Jiju Antony, Olivia McDermott, Shreeranga Bhat, Raja Jayaraman, Fabiane Letícia Lizarelli & Ayon Chakraborty (2022), Application of 7 Quality Control Tools in Higher Education Institutes, in Proceeding of Sixth International Conference on Lean Six Sigma for Higher Education, 15-16 November 2022, Khalifa University, Abu Dhabi, United Arab Emirates.
- [3]. Maryam Zulfiqar, Shreeranga Bhat, Mehran Doulatbadi, Willem Salentijn, Maher Maalouf, Jiju Antony, & Vikas Swarnakar (2022), Failure Modes and Effects Analysis (FMEA) in the Higher Education: A pilot study on success and failure factors, benefits and challenges, in Proceeding of Sixth International Conference on Lean Six Sigma for Higher Education, 15-16 November 2022, Khalifa University, Abu Dhabi, United Arab Emirates.
- [4]. Neha Raval, Jiju Antony, Shreeranga Bhat, Khimya Tinani, Vikas Swarnakar & Raja Jayaraman (2022), Application of Quality Function Deployment in Higher Education: a systematic literature review, in Proceeding of Sixth International Conference on Lean Six Sigma for Higher Education, 15-16 November 2022, Khalifa University, Abu Dhabi, United Arab Emirates.
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- [38]. Vinayambika S. Bhat, S. Shanmuga Priya, I. Thirunavukkarasu, **Shreeranga Bhat** (2016), Design of Multi-Loop Controller for Minimization of Energy Consumption in the Distillation Column, 18th International Conference on Information and Communication Engineering (ICICE), organized by World Academy of Science, Engineering and Technology, in the conference proceedings of Vol.18, No. 9, pp. 1352 - 1360 September 19-20, Held at Chicago, USA.
- [39]. **Shreeranga Bhat**, Gijo E.V., and Mark G. R. (2015), Adaptation of Six Sigma concepts in a printing process: A case study in a small-scale industry, International Conference on Statistics for Twenty First Century – 2015 (ICSTC-2015) organized by Department of Statistics, University of Kerala, Trivandrum, India, 17th - 19th December 2015 at Trivandrum.
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National Conferences

- [1]. **Shreeranga Bhat**, Nishchith H, Akshay Kumar U R, Ramith Raj, Naveen M V, and Jishnumohan Damodaran Nair, Application of Six Sigma in developing a Construction Machine, Third National Conference on Emerging Trends in Mechanical Engineering (eTIME - 2017), Organized by Department of Mechanical Engg., St Joseph College of Engineering, held on 4th & 5th August 2017 at Mangaluru, D.K.
- [2]. **Shreeranga Bhat**, Prajwal J, Pratheek S, Kevin Prajwal Pais, and Sonal Rohan Vaz, A Study on Implementation of Lean Six Sigma Methodology in Plywood Industry, Third National Conference on Emerging Trends in Mechanical Engineering (eTIME - 2017), Organized by Department of Mechanical Engg., St Joseph College of Engineering, held on 4th & 5th August 2017 at Mangaluru, D.K.,
- [3]. Pavana Kumara B, John Paul Vas, **Shreeranga Bhat**, and Karthik Madhyastha N., A Study on the Vibration Characteristics of Bagasse-Banana fibre Hybrid Composite, Third National Conference on Emerging Trends in Mechanical Engineering (eTIME - 2017), Organized by Department of Mechanical Engg., St Joseph College of Engineering, held on 4th & 5th August 2017 at Mangaluru, D.K.
- [4]. **Shreeranga Bhat**, Jnanesh N. A., Mathew Jose, A Study on Adaptation of Six Sigma Concepts in A Small Scale Production Industry, Second National Conference on Emerging Trends in Mechanical Engineering (eTIME - 2016), Organized by Department of Mechanical Engg., St Joseph College of Engineering, held on 5th & 6th August 2016 at Mangaluru, D.K.
- [5]. **Shreeranga Bhat**, Jnanesh N. A., Prashanth P. Kamath, Rajat R. Nayak, Nithin M. D'souza, A Study on Implementation of Lean Approach in Automobile Service Industry, Second National Conference on Emerging Trends in Mechanical Engineering (eTIME - 2016), Organized by Department of Mechanical Engg., St Joseph College of Engineering, held on 5th & 6th August 2016 at Mangaluru, D.K.
- [6]. Noel Deepak Shiri, **Shreeranga Bhat**, Babisha K. C., Krishna M. Moger, Minal Patricia D'almeida, Clyde Jofan Menezes, Taguchi Analysis on the Compressive Strength behaviour of Waste Plastic-Rubber Composite Materials, Second National Conference on Emerging Trends in Mechanical Engineering (eTIME - 2016), Organized by Department of Mechanical Engg., St Joseph College of Engineering, held on 5th & 6th August 2016 at Mangaluru, D.K.
- [7]. **Shreeranga Bhat**, Jnanesh N.A., Rego Anil Melvyn, and D'souza R. A., Application of Operations Research Technique to Improve the Performance of the HID of a Hospital, First National Conference on Emerging Trends in Mechanical Engineering (eTIME -

- 2015), Organized by Department of Mechanical Engg., St Joseph College of Engineering, held on 7th & 8th August 2015 at Mangaluru, D.K.
- [8]. Shiri Noel Deepak, Thirumaleshwara Bhat, **Shreeranga Bhat**, and Girish Kumar, Effect of Heat Treatment Variables on the Abrasive Wear Behaviour of Al-6061 Alloy and Al 6061-SiCP Composites Using Taguchi Technique, First National Conference on Emerging Trends in Mechanical Engineering (eTIME - 2015), Organized by Department of Mechanical Engg., St Joseph College of Engineering, held on 7th & 8th August 2015 at Mangaluru, D.K.
- [9]. Venkatesh Rao, Prashanth Kumar, and **Shreeranga Bhat**, Performance and Emission Characteristics of Cotton Seed Oil Methyl Ester and Diesel blend on CI Engine at Elevated Inlet Air Temperature, First National Conference on Renewable Energy Systems and Engineering (NCRESE-14), Organized by Department of Mechanical Engg., Vivekanada College of Engineering and Technology, held on 7th & 8th November 2014 at Puttur, D.K.
- [10]. Noel Deepak Shiri, Thirumaleshwara Bhat, **Shreeranga Bhat**, Girish Kumar, Investigation of the Effect of Aging variables on the Impact behavior of Al 6061 alloy and its composites, at National Conference on Challenges in Research & Technology in the Coming Decades (CRT-2013), September 27-28, 2013, in S.D.M.I.T, Ujire, Dharmasthala.
- [11]. Noel Deepak Shiri, Thirumaleshwara Bhat, **Shreeranga Bhat**, and Girish Kumar, Statistical and Experimental investigation of the effect of ageing variables on the tribological properties of AL 6061-SiC particulate composite material, at National Conference on Innovative & Emerging Trends in Engineering & Management (NCIETEM-2013), March 22-23, 2013, in A.I.T.E, Mijar, Moodabidri.
- [12]. Noel Deepak Shiri, Thirumaleshwara Bhat, **Shreeranga Bhat**, and Girish Kumar, Impact Behaviour of Al-SiCp Metal Matrix Composite – Statistical and Experimental Investigation, at National Conference on Smart Materials & Technologies for Emerging Electronics (NC-SMTEE-2013), March 8-9, 2013, in M.I.T.E, Mijar, Moodabidri.
- [13]. **Shreeranga Bhat**, Jnanesh N. A., and Nagaprasad H., Lean Six Sigma: New System to Obtain Strategic Strength & Competitive Advantage And Profits For Hospitals, National Conference on New Advances In Thermal, Design, Materials And Manufacturing Engineering - (NATDMME – 09), Organized by Department Of Mechanical Engineering, Malnad College of Engineering held during 5 - 7 March 2009 at Hassan.

[14]. **Shreeranga Bhat** and Rodrigues L.L.L., Evaluation Productivity through Effective Waste Management: A Case Study in Small Scale Industry, in national conference on the “New Growth Cycle in the Context of Globalization: Lesson for Indian Inc.”, held during 21-22 October 2005 at JNNCE, Shimoga.

[15]. **Shreeranga Bhat** and Rodrigues L.L.L., Spiritual Dimensions in Management, National conference on Modern Trends in Management (MTM-04), Organised by Department of Industrial and Production Engg., Gogte Institute of Technology, held on 12 and 13 May, 2004 at Belgaum.

Workshops/Seminars/Webinars/Certification Attended:

1. Name of the Workshop/Seminar: Five-Week online **JEET Mentored Reviewer Program**

Date & Venue: 2 February 2021

Organized by: Journal of Engineering Education Transformation, India

2. Name of the Workshop/Seminar: One-day online **IUCEE Mission NEP Summit**

Date & Venue: 2 May 2021

Organized by: IUCEE, India

3. Name of the Workshop/Seminar: Five-week online international certification program on ‘**Entrepreneurship**’

Date & Venue: 15 January 2021 to 13 February 2021

Organized by: UMass Lowell, USA

4. Name of the Workshop/Seminar: 4 week online certification program on ‘**Transformational Change in Technical Education**’

Date & Venue: 4 November 2020 to 9 January February 2021

Organized by: IUCEE, USA

5. Name of the Workshop/Seminar: Five-day online ‘**Orientation Training Program for Mentors**’

Date & Venue: 9-13 February 2021

Organized by: AICTE, New Delhi

6. Name of the Workshop/Seminar: Two-day 17th online International conference on ‘**Quality and Sustainability**’

Date & Venue: 11-12 December 2020

Organized by: Indian Society for Quality, New Delhi

7. Name of the Workshop/Seminar: Two-day national online webinar on **“Ancient India Education System”**
Date & Venue: 11-12 November 2020
Organized by: NITTTR, Kolkata
8. Name of the Workshop/Seminar: One-day online webinar on **“NEP 2020 – Curriculum Framework for Higher Education”**
Date & Venue: 23 October 2020
Organized by: St Joseph Engineering College, Mangaluru
9. Name of the Workshop/Seminar: Six-day online workshop on **“Hands on workshop series on Online Teaching Tools and Virtual Labs”**
Date & Venue: 21-30 September 2020
Organized by: St Joseph Engineering College, Mangaluru
10. Name of the Workshop/Seminar: One-day online webinar on **“Aacharya Devo Bhava”**
Date & Venue: 11 September 2020
Organized by: NAAC Bengaluru
11. Name of the Workshop/Seminar: Three-day online workshop **“Techno Legal Summit on CAP (Cyber, AI and Patents)”**
Date & Venue: 3-5 August 2020
Organized by: IQAC of St Joseph Engineering College and SDM Law College Mangaluru.
12. Name of the Workshop/Seminar: Three-day **“IUCEE Annual Leadership Summit”**
Date & Venue: 10-12 July 2020
Organized by: Indo-US Collaboration for Engineering Education (IUCEE), USA.
13. Name of the Workshop/Seminar: Webinar on **“Equip Yourself to Lead Change: Lessons In Leadership”**
Date & Venue: 16 July 2020
Organized by: Department of Business Administration, SJEC, Mangaluru.
14. Name of the Workshop/Seminar: One-year Course on **“Engineering Education Research”**
Date & Venue: June 2019 - June 2020
Organized by: Indo-US Collaboration for Engineering Education (IUCEE), USA.
15. Name of the Workshop/Seminar: One Day National Webinar on **“Capacity Building on NBA Criteria 1-10”**

- Date & Venue: 27 June 2020
Organized by: STEMVOGEL Consultancy Pvt LMT, and Aggarwal Edu. Solution
16. Name of the Workshop/Seminar: Three Days online workshop on “Design of Experiments: An Engineering perspective”
Date & Venue: 22-24 April 2020
Organized by: Journal of Advanced Engineering Research, India
17. Name of the Workshop/Seminar: One Day TEDx-SJEC Program
Date & Venue: 16 February 2020
Organized by: St Joseph Engineering College, Mangaluru.
18. Name of the Workshop/Seminar: Two Day online workshop on ‘Patent Drafting and Processing with Importance of Trademark and Copyright’
Date & Venue: 8-9 May 2020
Organized by: Centre for Leadership and Human Resource Development, Mangaluru.
19. Name of the Workshop/Seminar: Master Facilitator in Leadership and Human Recourse Development (MFLHRD)
Date & Venue: 12 January 2019 – 18 January 2020
Organized by: Centre for Leadership and Human Resource Development, Mangaluru.
20. Name of the Workshop/Seminar: IUCEE International Engineering Educator Certification Program
Date & Venue: July 2018 – January 2019
Organized by: Indo-US Collaboration for Engineering Education (IUCEE), USA.
21. Name of the Workshop/Seminar: One day Seminar ABET Accreditation
Date & Venue: 5th January 2020, Anurag Group of Institutions, Hyderabad
Organized by: Indo-US Collaboration for Engineering Education (IUCEE), USA.
22. Name of the Workshop/Seminar: One-day workshop on “New NAAC Accreditation process for Engineering Colleges”
Date & Venue: 25th October 2019
Organized by: V.T.U. Regional office, Bengaluru.
23. Name of the Workshop/Seminar: IUCEE International Engineering Educator Certification Program
Date & Venue: July 2018 – January 2019
Organized by: Indo-US Collaboration for Engineering Education (IUCEE), USA

24. Name of the Workshop/Seminar: Three-day FDP “Integra & Cornea 2019” on “Learning through Effective Assessment” , “Technology for Engineering Education” & “Writing Good Research Papers”.
- Date & Venue: 22nd-24th January 2019
- Organized by: SJEC, Mangaluru.
25. Name of the Workshop/Seminar: Ten-day Learning and Development Interventions in ‘**Master Facilitator in Leadership and HRD**’ by College of Leadership & HRD Mangaluru.
- Date & Venue: 12th-21st January 2019, CLHRD Mangaluru
- Organized by: CLHRD, Mangaluru.
26. Name of the Workshop/Seminar: Four-weeks NPTEL online course on ‘**Outcome Based Pedagogic Principle for Effective Teaching**’
- Date & Venue: August-September 2018
- Organized by: Ministry of HRD, Govt. of India
27. Name of the Workshop/Seminar: Three-day workshop on ‘**Reliability Theory & Survival Analysis**’ by College of Leadership & HRD Mangaluru.
- Date & Venue: 28-30 November 2018, Indian Statistical Institute, Bengaluru
- Organized by: SQC & OR unit, Indian Statistical Institute, Bengaluru
28. Name of the Workshop/Seminar: Three-day Learning and Development Interventions in ‘**Facilitating Excellence in Effective Leadership (FEEL) Teacher**’ by College of Leadership & HRD Mangaluru.
- Date & Venue: 2nd-4th July 2018, St Joseph Engineering College
- Organized by: St Joseph Engineering College.
29. Name of the Workshop/Seminar: Five-Month online course on ‘**Outcome Based Education**’
- Date & Venue: September 2017 to January 2018
- Organized by: Indo-Universal Collaboration for Engineering Education (IUCEE), USA
30. Name of the Workshop/Seminar: Three-day Phase-I ‘**IUCEE International Engineering Educator Pre-Certification Workshop**’
- Date & Venue: 6th – 8th Mar 2018, St Joseph Engineering College, Mangaluru.
- Organized by: Indo-Universal Collaboration for Engineering Education (IUCEE), USA

31. Name of the Workshop/Seminar: One-day workshop on ‘**New Age Skills for Excellence in Teaching**’
Date & Venue: 3rd Mar 2018, St Joseph Engineering College, Mangaluru.
Organized by: St Joseph Engineering College, Mangaluru.
32. Name of the Workshop/Seminar: Two-day case study presentation contest on ‘**Six Sigma**’
Date & Venue: 27th-28th Feb 2018, Indian Statistical Institute, Bangalore.
Organized by: SQC & OR Unit, Indian Statistical Institute, Bangalore.
33. Name of the Workshop/Seminar: Five-day workshop on ‘**Immersive workshop on Pedagogy, Assessment and Institutionalization of Best Practices**’
Date & Venue: 29 Jan – 02 Feb 2018, KLE Technological University, Hubballi.
Organized by: Centre for Engineering Education Research, KLE Technological University, Hubballi.
34. Name of the Workshop/Seminar: Fifth International Conference on “**Transformations in Engineering Education**”
Date & Venue: 8th – 9th Jan 2018, Thiagarajar College of Engineering, Madurai.
Organized by: Indo-Universal Collaboration for Engineering Education (IUCEE), USA
35. Name of the Workshop/Seminar: First IUCEE “**Leadership Summit**”
Date & Venue: 21st-22nd July 2017, International Center Goa.
Organized by: Indo-Universal Collaboration for Engineering Education (IUCEE), USA
36. Name of the Workshop/Seminar: Fifteen-day course on ‘**Six Sigma Master Black Belt**’
Date & Venue: 5th-17 June 2017
Organized by: Indian Statistical Institute, Bangalore
37. Name of the Workshop/Seminar: Fourth International conference on “**Transformations in Engineering Education**”
Date & Venue: 6th – 8th Jan 2017, Vardhaman College of Engineering, Hyderabad.
Organized by: Indo-Universal Collaboration for Engineering Education (IUCEE), USA
38. Name of the Workshop/Seminar: Six-month workshop in three phases (Face to face session and online) on ‘**Outcome Based Education**’
Date & Venue: August 2015 – January 2016

- Organized by: Indo-US Collaboration for Engineering Education (IUCEE), USA
39. Name of the Workshop/Seminar: One-day faculty development programme on **'Emerging Trends in Mechanical Engineering'**
- Date & Venue: 7th August 2015
- Organized by: St Joseph Engineering College, Vamanjoor
40. Name of the Workshop/Seminar: Two-day workshop on **'Outcome Based Education'**
- Date & Venue: 2-3rd August 2015
- Organized by: B.M.S College of Engineering, Bangalore
41. Name of the Workshop/Seminar: TEQIP sponsored short term training programme on **'Advances in Quality Management Practices in Industry'**
- Date & Venue: 10-14th July 2015
- Organized by: National Institute of Technology, Hamirpur, HP
42. Name of the Workshop/Seminar: One-day workshop on **'Mentoring and Counselling'**
- Date & Venue: 23rd January 2015
- Organized by: St Joseph Engineering College, Vamanjoor
43. Name of the Workshop/Seminar: One-day workshop on **'Course Plan and CO attainment'**
- Date & Venue: 19th January 2015
- Organized by: St Joseph Engineering College, Vamanjoor
44. Name of the Workshop/Seminar: Five-day workshop on **'Hands on LabVIEW Workshop'**
- Date & Venue: 12-16th July 2015
- Organized by: St Joseph Engineering College, Vamanjoor
45. Name of the Workshop/Seminar: Three-day workshop on **'Outcome Based Education'**
- Date & Venue: 10-12th July 2014
- Organized by: St Joseph Engineering College, Vamanjoor
46. Name of the Workshop/Seminar: Three-day certificate course on **'Problem solving using DOE'**
- Date & Venue: 16-18th July 2013
- Organized by: Indian Statistical Institute, Bangalore

47. Name of the Workshop/Seminar: Four-day workshop on '**Appreciative Experiential Learning**'
Date & Venue: 09-12th July 2013
Organized by: St Joseph Engineering College, Vamanjoor
48. Name of the Workshop/Seminar: VTU sponsored two-day workshop on '**Research methodologies and report writing**'
Date & Venue: 28-29th May 2009
Organized by: MSRIT, Bangalore
49. Name of the Workshop/Seminar: Three-day workshop on '**Numerical Methods and Analysis in Mechanical Engineering**'
Date & Venue: 22-24th January 2009
Organized by: St Joseph Engineering College, Vamanjoor
50. Name of the Workshop/Seminar: Three-day workshop on '**Quenching and Distortion Control**'
Date & Venue: 28-30th September 2008
Organized by: Department of Metallurgical and Materials Engineering, NIT-K Surathkal
51. Name of the Workshop/Seminar: TEQIP sponsored two-day workshop on '**Virtual Instrumentation and Data Acquisition**'
Date & Venue: 6-7th September, 2007
Organized by: Department of Mechanical Engineering, NIT-K Surathkal
52. Name of the Workshop/Seminar: TEQIP sponsored ONE-week faculty development workshop on '**Computer Aided Engineering Drawing (CAED)**'
Date & Venue: 7-12th August, 2007
Organized by: Department of Mechanical Engineering, SIT Tumkur
53. Name of the Workshop/Seminar: AICTE sponsored first national conference **ARNUMENTIA -2006**
Date & Venue: 19th March 2006.
Organized by: MIJM Manipal
54. Name of the Workshop/Seminar: Two-Day Workshop on '**Micro Electro Mechanical Systems (MEMS-2005)**'
Date & Venue: 1-2th August 2005
Organized by: Department of Mechanical Engineering, NITK Surathkal

55. Name of the Workshop/Seminar: AICTE sponsored first national conference on
‘Development and Challenges in Manufacturing Engineering’

Date & Venue: 18-20th December, 2004

Organized by: Mechanical Engineering Department, MIT Manipal

Guest Lectures Delivered/Session Chair/Interaction with outside world

1. Participated as Resource Person on 3-day intellectual intervention **“FEEL Employable – Learning and Development Intervention”**, held on 26 to 28 June 2023, organized by College for Leadership and Human Resource Development (CLHRD) and SIT, Tumkur.
2. Delivered Lecture on “Attainment of POs and COs” during One Week Online Faculty Development Program/ Certificate Program on "Outcome Based Education:Paradigm Shift In Highereducation” organized by St. Francis Institute of Management and Research (SFIMAR) in collaboration with GAD-TLC of Ministry of Education under PMMMNMTT Scheme on 10 May 2023.
3. Delivered Lecture on “NAAC Preparation” on 14 Feb 2022, by at A. J. Institute of Management, Mangaluru.
4. Delivered Lecture on “Deployment of Outcome Based Engineering Education from the perspective of AICTE examination reforms and NEP-2020" during Three days Webinar on “Implementation of National Education Policy-2020” 6-8 Dec 2021, organised by Bangalore Institute of Technology.
5. Delivered Lecture on “Lean Six Sigma Methodology for Sustainable Manufacturing in an MSME” during four-day Fifth International Webinar on Recent Trends In Statistical Theory and Applications-2021” held on 2 July 2021, by Department of Statistics (School of Physical and Mathematical Sciences) University of Kerala, Trivandrum, India.
6. Organized Six -Day workshop on ‘Curriculum Development inspired by NEP-2020’ on 8-10 and 15-17 Apr 2021 and delivered Session on “Optimal Learning Environments and Support for Students and Motivated, Energized, and Capable Faculty” at St Joseph Engineering College, Mangaluru.
7. **Session Chair** in the 8th International Conference on ‘Transformations in Engineering Education (ICTIEE 2021)’ powered by Indo-Universal Collaboration on Engineering Education (IUCEE) held on 8-10 Jan 2021 using online platform.
8. Conducted Workshop on **“OBE – Best Practices and Implementation”**, in the 8th International Conference on ‘Transformations in Engineering Education (ICTIEE 2021)’

- powered by Indo-Universal Collaboration on Engineering Education (IUCEE) held on 9 Jan 2021 using online platform.
9. Conducted Workshop on **“Active Learning: Keeping Learners Effectively Engaged Online”**, in the 8th International Conference on ‘Transformations in Engineering Education (ICTIEE 2021)’ powered by Indo-Universal Collaboration on Engineering Education (IUCEE) held on 8 Jan 2021 using online platform.
 10. Conducted Academic Audit on **‘NBA-SAR Documentation’** on 29-30 January 2021 at Yenapoya Institute of Technology, Moodabidri.
 11. **Session Chair** during the International Conference on Emerging Trends in Science and Engineering (ICETSE-2020) held online on 10th and 11th of July 2020, at SMVITM, Udupi, Karnataka.
 12. Participated as Resource Person on 3-day intellectual intervention **“FEEL Employable – Learning and Development Intervention”**, held on 03 to 05 February 2020, organized by College for Leadership and Human Resource Development (CLHRD) and SIT, Tumkur.
 13. Delivered Lecture on **“Design of Experiments”** during five-day FDP on ‘Research Tools and Techniques’, held on 27th January 2020, at Yenepoya Institute of Technology (YIT), Mangaluru, organized by Department of Mechanical Engineering.
 14. Delivered Lecture on **“Writing TLOs, and COs, Course Articulation Matrix; Considering taxonomies, Program articulation matrix; CO- PO mapping from the perspective of NBA Accreditation, Course Assessment, Programme Assessment and Attainment from the perspective of NBA Accreditation”**, during Visvesvaraya Technological University (VTU) TEQIP 1.3 sponsored Five Day FDP on “Outcome Based Education and NBA Accreditation” from 30 December 2019 to 3 January 2020, Organized by Internal Quality Assurance Cell (IQAC), at **St Joseph Engineering College, Mangaluru**.
 15. Delivered Webinar on **"OBE Deployment and Sustainment to Develop Epistemic Curiosity among the Students: Application of Deming’s Model"** , during IUCEE Webinar Series with St. Joseph Engineering College, on 21st October 2019, organized by Indo-Universal Collaboration on Engineering Education (IUCEE), USA.
 16. Participated as Resource Person on 3-day intellectual intervention **“FEEL Employable – Learning and Development Intervention”**, held on 28 to 30 March 2019, organized by College for Leadership and Human Resource Development (CLHRD) and St Joseph Engineering College, Mangaluru.

17. Delivered Lecture on **“Critical Concepts, COs, Outcomes in OBE”**, during 5-day Bootcamp on “Active Learning Strategies”, held on 15-19 July 2019, organized by Internal Quality Assurance Cell (IQAC) and Teaching Learning Centre (TLC), at **St Joseph Engineering College, Mangalore**.
18. Delivered Lecture on **“Motivation Models, Inductive Teaching, and Assessment in Teaching-Learning Process”** during one-day FDP on “New Age Teaching Techniques for Teachers”, held on 27 May 2019, organized by St Aloysius Gonzaga School Mangaluru.
19. Delivered Lecture on **“Curriculum Gap Analysis, Modalities of DAB & PAC Meeting, Framing Effective Action Items”**, during three-day workshop on “Course Design and Management”, held on 22 to 24 January 2019, Organized by Internal Quality Assurance Cell (IQAC), at **St Joseph Engineering College, Mangalore**.
20. Delivered Lecture on **“Statement of Teaching Philosophy”**, during three-day workshop on “Course Design and Management”, held on 16 to 17 July 2018, Organized by Internal Quality Assurance Cell (IQAC), at **St Joseph Engineering College, Mangalore**.
21. Delivered Lecture on **“Design of Experiments”** during *Pre-conference workshop on Emerging Trends in Mechanical Engineering 2017 (eTime 2017)*, held on 4th of August 2017, at St Joseph Engineering College, Vamanjoor, co-organized by Department of Mechanical Engineering.
22. Delivered Lecture on **“PEOs, POs, PSOs, and Bloom’s taxonomy; Writing Course Outcomes; Course Articulation Matrix; Considering taxonomies, Program articulation matrix; CO- PO mapping, Course Assessment, Programme Assessment and attainment; Continuous improvement by Standard Operating Procedure (SOP)”** during *Two-Day workshop on “Quality Assurance in Engineering Education through OBE”*, held on 30 to 31st of January 2017, Organized by Internal Quality Assurance Cell (IQAC), at **St Joseph Engineering College, Mangalore**.
23. Delivered Lecture on **“Lean Thinking for Productivity Improvement”** during two-week *Faculty Development Programme on “Entrepreneurship for Academicians”*, held on 19th to 31st of December 2016, at **S.D.M. Institute of Technology, Ujire, sponsored by NSTEDB, DST, New Delhi and EDI, Ahmedabad**.
24. Delivered Lecture on **“CO, PO, and PSO Assessment Technique”** during *‘Integra 2016’- Faculty Development Programme on Preparation for Accreditation*, held on 19 to 21st of July 2016, at **St Joseph Engineering College, Mangalore**.

25. Delivered Lecture on “**Design of Experiments, and Taguchi’s Methodology**” during *Faculty Development Program on Applications of Statistical and Neural Network Techniques in Engineering*, held on 6 to 7th of June 2016, at Shri Madhwa Vadiraja Institute of Technology and Management (SMVITM) Bantakal, Udupi, co-organized by Department of Mechanical Engineering.
26. Delivered Lecture on “**OBE and New SAR Format for Tier-II Institutions**” during *‘Integra 2016’- Faculty Development Programme on Preparation for Accreditation*, held on 19 to 22nd of January 2016, at **St Joseph Engineering College, Mangalore**, co-organized by Department of Electronics and Communication Engineering.
27. Delivered Lecture on “**Preparation for Accreditation - New SAR Format**” during *‘Integra 2015’- Faculty Development Programme on Preparation for Accreditation*, held on 20th and 21st of July 2015, at **St Joseph Engineering College, Mangalore**, co-organized by Department of Mechanical Engineering.
28. Delivered lecture on “**Six Sigma**”, during *‘Quality Tools and Techniques-One day workshop for the students of engineering colleges’*, Organized by **Government of India, Ministry of MSME (Micro, Small and Medium Enterprise Development Institute) Mangalore**, held on 27th March 2014 at Hotel Deepa Comfort, Mangalore.
29. Delivered lecture on “**5s Work Place Organization**”, during *‘PRERANA-Three day workshop on Employability Skills for the benefit of Junior Training Officers (JTO) of various Industrial Training Institute’*, held on 6th March 2014 at **St Joseph Engineering College, Mangalore**, organized by Department of Mechanical Engineering.
30. Delivered lecture on “**Quality Tools and Techniques**”, during *‘PROTHSAHAN-Three day workshop on technical skill enhancement for technical staff of Engineering colleges’*, held on 24th January 2014 at **St Joseph Engineering College, Mangalore**, organized by Department of Mechanical Engineering.
31. Delivered lecture on “**Solid Edge software**”, during *‘Computer basics, CAD and Mat Lab-A week short term training program for the faculty of Polytechnic colleges’*, held on 19th January 2014 at **Karnataka Polytechnic, Mangalore**.

Membership:

Life Member of Indian Society for Technical Education (ISTE). LM 56596

Subjects Taught at UG Level:

1. Elements of Mechanical Engineering

2. Kinematics of Machines
3. Metrology and Measurement
4. Manufacturing Process
5. Engineering Economy
6. Operations Management
7. Total Quality Management
8. Computer Aided Engineering Drawing
9. Computer Aided Machine Drawing
10. Statistical Quality Control
11. Operations research

Subjects Taught at PG Level:

Quantitative Techniques for Management

Project carried out at UG level:

1. Design and Fabrication of Wall plastering Machine -2017
2. A Study on Implementation of Lean Methodology in Plywood Industry - 2017
3. A Study on Implementation of Lean Approach in Automobile Service Industry - 2016
4. Snag Analysis on Brakes and Antiskid Systems of Hawk Mk-132 AJT Aircraft -2016
5. Implementation of Lean Manufacturing Strategy in Food Processing Industry - 2015
6. Product Quality Improvement and Customer Satisfaction using 8D - 2015
7. Application of Lean Six Sigma Methodology in Engine Overhaul Facility of Air India - 2014
8. Application of Lean Six Sigma Methodologies in a Printing Industry – 2014
9. Process Improvement in Out-Patient Medical Records Department of a Hospital by Lean Six Sigma Methodology - 2013
10. Application of Lean Six Sigma methodologies in Medical Records Department of a Corporate Hospital – 2013
11. Study of the Behavior of Built Up Beams Under Point Load - 2011
12. Swing operated pump - 2009
13. Design and Fabrication of coconut De husker - 2008
14. Electric Rickshaw - 2008
15. Replacement of DEG condensation in dispersion plant at BASF India lmt. Mangalore - 2007

Project carried out at PG level:

1. A Study on Adaptation of Six Sigma Concepts in a Small Scale Production Industry - 2016
2. A Study on Effect of Inlet Air Temperatures On Performance and Emission Characteristics of C.I Engine with Cottonseed Oil Methyl Ester and Diesel - 2014
3. Computer Aided Design and Analysis of a High Speed Cam Operated Linkage Mechanism for A Two Axis Motion Control – 2013
4. Statistical and Experimental Investigation of the Effect of Aging Variables on the Properties of Al 606t-SiC Particulate Composite Material – 2012

Personal Details:

Date of Birth : 15 September 1981
Sex : Male
Marital Status : Married
Field of Interest : High Aptitude for teaching mechanical engineering subjects
Reading, singing classical songs, bharathnatyam etc.
Languages known : English, Hindi, Kannada and Tulu.

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

Date: 24 June 2023

Place: Mangalore



(SHREERANGA BHAT)