

PROFESSIONAL

Academic & Professional Positions

Associate Dean – Quality Assurance & Accreditation

JSS Science and Technology University, Mysuru | December 2025 – Present

- Leads and supports institutional quality assurance, accreditation frameworks, compliance, and continuous-improvement initiatives.
- Serves as University Management Representative (MR) for ISO 9001:2015 Quality Management System and ISO 21001:2018 Educational Organisations Management System.
- Serves as ISO Programme Coordinator, overseeing internal audits, documentation, corrective-action processes, management reviews, and certification-readiness activities.
- Contributes to institutional accreditation and quality initiatives aligned with NAAC, NBA, and other relevant frameworks.

Academic Service – Department of Industrial & Production Engineering

Associate Professor	2025 – Present
Assistant Professor	2016 – 2025
Senior Teaching Fellow	2010 – 2016

Teaching and academic responsibilities include undergraduate and postgraduate instruction, curriculum development, student project supervision, mentoring, Boards of Studies and Examinations, and departmental and university-level academic activities.

Project Research Scientist – DRDO ADA / IIT Bombay / AR&DB

November 2022 – May 2023

Worked during sabbatical on the project “Information Display Design and Human Systems Integration for Advanced Fighter Aircrafts,” associated with the Aeronautical Development Agency (ADA), DRDO; IDC School of Design, IIT Bombay; and the Aeronautics Research and Development Board (AR&DB), Ministry of Defense, Government of India. The work involved cockpit information-display design and human-systems integration considerations for advanced fighter aircraft.

Subjects Taught

- Design thinking
- Additive Manufacturing
- Quality Engineering
- Operations Research
- Organizational Behaviour
- Intellectual Property Rights
- World Class Manufacturing

- Database Management Systems
- Power Plant Engineering
- Marketing Management
- Mechanical Engineering Science
- Computer-Aided Design using UG-NX
- Computer-Aided Engineering Analysis using ANSYS
- Engineering Systems Design
- Software Applications Laboratory

Academic & Administrative Leadership

- Associate Dean – Quality Assurance & Accreditation, JSS Science and Technology University.
- Management Representative for ISO 9001:2015 and ISO 21001:2018.
- ISO Programme Coordinator for audit planning, documentation, internal audits, management reviews, corrective actions, and certification activities.
- Served on deputation in the Office of the Controller of Examinations, supporting university-level examination management and Annual Convocation administration.
- Member, Board of Studies – Industrial & Production Engineering, JSS STU.
- Member, Board of Examinations – Industrial & Production Engineering, JSS STU and The National Institute of Engineering, Mysuru.
- Contributed to curriculum revision, academic documentation, institutional data management, student innovation initiatives, and quality-assurance activities.

Fellowship

Summer Faculty Research Fellowship Programme (SFRF 2015), Indian Institute of Technology Delhi, 28 May – 16 July 2015, under the guidance of Dr. Varsha Singh, Department of Humanities and Social Sciences, IIT Delhi.

Invited Talks & Academic Presentations

- “From Concept to Creation: The Power of Idea Generation and Creativity in Engineering” – National Digital Library of India (NDLI) Club, JSS STU, 18 September 2024.
- “Application of Pointing and Calling Method in Industries to Reduce Human Errors” – Applied Cognition and Human Factors Laboratory, IIT Indore, 26 April 2019.
- “A Comprehensive Study on the Cognitive and Behavioural Factors Affecting Human Reliability in Safety-Critical Industries” – Vishleshan 2019 Doctoral Colloquium, IIT Kharagpur, 15–16 February 2019.
- “Human Error – ‘Just Human, Not Just an Error’” – Symposium on Cognition and Safety, jointly organised by IIT Gandhinagar and National Frontiers of Engineering, September 2014.

Selected Professional Development

- Facilitator Certification in “Introduction to AI, Introduction to Machine Learning and AI for Sustainability” under the *AI for Future Workforce Program* - Intel Digital Readiness in association with JSS Science and Technology University, Mysuru, 11–20 August 2025.
- Faculty Development Programme on “Blockchain Technology and Applications” - Electronics & ICT Academies at IIT Guwahati, IIT Kanpur, IIT Roorkee, MNIT Jaipur, NIT Patna, NIT Warangal and PDPM IITDM Jabalpur, supported by MeitY, Government of India, 13–23 May 2025.
- AICTE Recognized Faculty Development Programme on “Refresher Course in Nanoscience and Nanotechnology” - NITTTR Chandigarh, 23 July–5 August 2024.
- Two-Week Online Faculty Development Programme on “Industry 4.0/5.0” - Department of Mechanical Engineering, Prasad V. Potluri Siddhartha Institute of Technology, Vijayawada, 15–27 April 2024.
- Two-Day Hands-on Training Workshop on “Statistics, Visualization, Data Analysis and Modeling using JMP Software” - Department of Industrial & Production Engineering in association with the Department of Library, SJCE, JSS Science and Technology University, Mysuru, 12–13 September 2022.
- AICTE-Sponsored Short-Term Course on “Research Methods in Organizational Behavior and Human Resource Management” - Centre for Continuing Education, IIT Madras, 21–26 February 2022.
- Online Faculty Development Programme on “Opportunities and Challenges in Entrepreneurship” - Science and Technology Entrepreneurs Park (STEP), JSSATE, Bengaluru, in association with the Center for Interdisciplinary Research (CIR), JSSATE, Bengaluru, 18–31 July 2022.
- Two-Day Faculty Development Programme on “Research Publication” - JSS Centre for Management Studies, Mysuru, 20–21 January 2022.
- NPIU-TEQIP Online Faculty Development Programme on “Future-Skill Technologies in 3D Printing & Design” - IIT Hyderabad, 19–26 June 2021.
- Two-Week Faculty Development Programme on “Entrepreneurship Development” - Department of Computer Science & Engineering, NITK Surathkal, sponsored by DST, Government of India, 15–27 February 2021.
- TEQIP-III Sponsored Short-Term Course on “Advances in Fatigue, Creep, Fracture and Failure Analysis of Materials” - Department of Metallurgy Engineering and Materials Science, IIT Indore, 7–11 December 2020.
- MHRD-Sponsored TEQIP-Assisted Course on “Foundational Concepts of Robotics” - Department of Mathematics, IIT Roorkee, 1–5 December 2020.
- TEQIP-III Online Short-Term Course on “Safety Management for Construction Projects” - Department of Civil Engineering, IIT Delhi, 9–13 November 2020.

- Webinar Series on “Healthy Lifestyle Management during and after COVID Scenario” - Department of Physical Education & COVID Cell, JSS Science and Technology University, Mysuru, 19–23 October 2020.
- Three-Day Webinar on “Cryogenics and its Applications” - Department of Mechanical Engineering, JSS Science and Technology University, Mysuru, 12–14 August 2020.
- One-Week Online Faculty Development Programme on “Quality Control and Safety in Polymer & Allied Industries” - Department of Polymer Science and Technology, SJCE, JSS Science and Technology University, Mysuru, 27–31 July 2020.
- Online Programme on “Experimental Stress Analysis” - Department of Mechanical Engineering, ATME College of Engineering, Mysuru, 22–24 July 2020.
- One-Week Online National Training Programme on “Disaster Risk, Vulnerability Assessment and Management” - National Institute of Disaster Management, Ministry of Home Affairs, Government of India, in association with Delhi Technological University, 29 June–3 July 2020.
- Two-Week Course on “Digital Transformation in Teaching Learning Process” - IIT Bombay under TEQIP-III/NPIU, 14 February–6 March 2020.
- Short-Term Course on “3D Printing (A Disruptive Technology of This Era),” IIT Bombay, 20–21 August 2018.
- GIAN Programme on “Emerging Intelligent Polymer Materials: From Science to Industrial Application,” SJCE, Mysuru, 15–27 August 2018.
- Short-Term Course on “Industrial Safety Engineering,” IIT Kharagpur, 16–18 February 2015.
- Workshop on “Design Innovation,” Centre for Product Design and Manufacturing (CPDM), Indian Institute of Science, Bengaluru, 21 July–2 August 2014.
- Workshop on “Ergonomics and Design Issues,” International Ergonomics Conference, IIT Guwahati, 1–5 December 2014.
- Workshop on “Research Methodologies & LaTeX,” organised by VTU at VVIET, Mysuru, 29–31 December 2014.

Reviewer

- Technical Reviewer - IEEE-sponsored **International Conference on Emerging Trends in Industry 4.0 (ETI 4.0)**, O.P. Jindal University, Raigarh, **19–21 May 2021**.
- Reviewer - **IEEE MYSURUCON 2022: The 2nd Edition of the Mysore Subsection Flagship International Conference**, **16–17 October 2022**.

Key Competencies

- Quality Management Systems – ISO 9001:2015 and ISO 21001:2018
- Institutional Accreditation – NAAC and NBA frameworks
- Human Factors & Ergonomics Research
- Academic Administration & Governance
- Curriculum Design and Delivery
- Research Supervision and Mentoring
- Cross-functional Team Leadership and Stakeholder Engagement