

Dr. G V Prabhushankar

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Education:

#	Degree	Year	Institute	Specialization
1	Ph.D.	2009	PSG College of Technology, Coimbatore	Innovative Six Sigma QMS
2	M.B.A	2004	Karnataka State Open University, Mysore	Advanced Marketing Management
3	M.E	1991	B.V.B College of Engineering & Technology, Huballi	Production Management
4	B.E	1989	Siddaganga Institute of Technology, Tumakuru	Mechanical Engineering

Professional Experience:

#	Date (from-to)	Designation	Organization
1	14-8-2009 to Till date	Professor	S.I.T., Tumakuru
2	05-9-2008 to 13-8-2009	Assistant Professor	S.I.T., Tumakuru
3	11-2-2005 to 04-9-2008	Selection Grade Lecturer	S.I.T., Tumakuru
4	11-2-2000 to 10-2-2005	Senior Lecturer	S.I.T., Tumakuru
5	19-8-1991 to 10-2-2000	Lecturer	S.I.T., Tumakuru

Positions held:

1. Head – Department of IEM, 1st February 2023 till date (2nd Term).
2. Dean Academics, 03rd October, 2017 to 15th December, 2022.
3. VTU Nominee for BoS in Industrial Engineering and Management at RVCE, Bangalore, 08-04-2025 to 07-04-2027

4. Member – BoE in (IP/IM/MA Board) of VTU Belagavi for the A.Y 2023-24.
5. Treasurer – Siddaganga Institute of Technology Alumni Association (SITAA) since 02-10-2022.
6. Member – Internal Quality Assurance Cell, SIT Tumakuru, 2017 to 2022
7. Management Representative for implementation and sustenance of ISO 9001 Quality Management System at SIT, Since Feb 2009.
8. Chairman – Academic Audit Committee, Govt. First Grade College, Gubbi, 10/11/2020 to 10/11/2024
9. Member – BoS (MBA in Business Analytics) Tumakuru University, 01-08 2019 to 31-07 2021
10. Member –Advisory Committee, DSCE, B’lore, A.Y 2016-17
11. Member – Department Advisory Board (IEM), JSSATE, B’lore, A.Y 2016-17.
12. Member – BoE (IEM), MSRIT, B’lore, A.Y 2016-17 & 2017-18
13. Head of the Department, 31st Jan. 2014 to 31st Jan. 2017(1st Term)
14. Training and Placement Officer (i/c), 8th June 2009 to 12th October 2009.
15. Coordinator – M.Tech. & Ph.D. programmes, IEM Department, 2010 to 2014.

Affiliations of Professional organizations:

- Fellow of IIE (Indian Institute of Engineers).
- Life Member ISTE (Indian Society for Technical Education).
- Life Member ORSI (Operations Research Society of India).
- Life Member IIIE (Indian Institution of Industrial Engineering).
- Life Member of IIMM (Indian Institute of Materials Management).
- Member of IEOMS (Industrial Engineering and Operations Management Society, Florida, USA).

Awards and Honors:

- Citation of appreciation for serving as a **Speaker** at the symposium on “Digital transformation through Quality 4.0” held on 23-24, January, 2025 organised by Indian Society for Quality in association with RVCE Bengaluru
- Certificate of appreciation for serving as a **Reviewer** and as **Session Chair** at the 8th IEEE international conference on Computational Systems & Information Technology for Sustainable solutions held from 7th to 9th November, 2024 at RVCE Bengaluru organised in association with Florida International University.
- Citation of appreciation awarded by Indian Institution of Industrial Engineering – Bangalore chapter, in the year 2009, for the **outstanding contribution towards the field of Industrial Engineering**

- Citation of appreciation awarded on 31st October 2012 by Indian Institution of Industrial Engineering – Bangalore chapter for the **role played in organizing 54th National convention and international conference** of Indian Institution of Industrial Engineering with the theme “Paradigms for Global Challenges and Opportunities: Vision 2025”
- Citation of appreciation awarded on 28th September 2013 by QCFI – Bangalore chapter and M/s. Fitwel Tools and Forgings Pvt. Ltd., for being **expert panel member** for the Industry Institute Interaction Workshop on “Improvement in Culture Building through People Involvement.

Courses Taught:

Undergraduate Courses

- Production Planning and Control/ Production Management
- Operations Management
- Quality Assurance and Reliability/ Total Quality Management / QMS
- Marketing Management
- Management and Entrepreneurship
- Industrial Engineering/ Work System Design and Ergonomics
- Lean Manufacturing System
- Six –Sigma Methodology
- Facilities Planning and Design (Process and Layout Drawing)
- Systems Engineering/ Simulation Modelling & Analysis
- Technology Management
- Soft skills

Postgraduate Courses

- Operations Management (for MBA)

Research Guidance:

#	Name of the Scholar	Title	Year of completion
1	Mrs. T. R. Veena	Design of Lean Six-Sigma Quality Management System for SMEs	2020

Research Areas:

- Implementation of ISO 9001 Quality Management System in SMEs
- Implementation of IATF 16949:2016 in Automotive Companies

- Implementation of Lean and Six Sigma tools and techniques in SMEs
- Implementation of Outcome Based Education in Higher Educational Institutions

Certification Courses:

1. Statistical Process Control, 11th to 30th August 2003, I.S.I., Bangalore
2. Six Sigma Green Belt, 18th to 22nd January 2007, Benchmark Six Sigma
3. Six Sigma Black Belt, 15th to 19th August 2007, Benchmark Six Sigma
4. Intellectual Property Rights, Jan 2009
5. Innovative Teaching Methodologies, Oct 2009 – Mission 10X, Wipro Technologies
6. Soft Skills, Nov 2009, Infosys – Campus Connect Program
7. NBA Evaluators/ Train the Trainers certification 14th – 17th February 2013 conducted by NBA at RVCE, Bangalore.
8. ISO 9001:2008 Lead Auditor Certification, 19th to 23rd June 2014, BSCIC
9. Certified “Lean professional” from TUV Nord, 2019
10. Advanced Lean Manufacturing Practices, February 2025 to March 2026, IIMB, Bangalore.

Publications:

Journals

- Anil K.C., Kumaraswamy J., **Prabhushankar G.V.**, Sahana S. (2025) ‘Role of Solid Lubricant and Bauxite Residue on the Tribological Behaviour of Aluminium Hybrid Composites’ *Tribology in Industry, Vol. 47, pp. 164-173*
- Adaveesh B., **Prabhushankar G.V.**, Nagaral M. (2023) ‘Tribological and tensile behaviour of Si₃N₄ reinforced Cu-Sn matrix composites’ *Materials Physics and Mechanics, Vol. 51, pp. 11-22*
- T.R.Veena and **G.V. Prabhushankar** (2020) ‘Roadmap for integration of Lean Sigma methodology with ISO 9001:2015 QMS standard’, *International Journal of Advanced Operations Management, Vol. 12 No. 4, pp. 303-329*
- T.R.Veena and **G.V. Prabhushankar** (2020) ‘Identification of critical success factors for implementing Six Sigma methodology and grouping the factors based on ISO 9001:2015 QMS’, *International Journal of Six Sigma and Competitive Advantage Vol. 12 No. 1, pp. 1-19*
- T.R.Veena and **G.V. Prabhushankar** (2019) ‘A literature review on lean, Six Sigma and ISO 9001:2015 in manufacturing industry to improve process performance’, *International Journal of Business and Systems Research, Vol. 13 No. 2, pp. 62-180*
- Siddharth Shekar and **G.V. Prabhushankar** (2018) ‘Implementation of Lean Manufacturing Practices to Achieve Progressive Development in Automobile Industries’, *Shanlax International Journal of Management, Vol. 06 No. 4, pp. 31-35*

- Biju PL, P R Shalij and **G.V. Prabhushankar** (2017) 'Sustainable Path Modeling (SPM): A Tool for Sustainable Product Development', *Int. J. of Industrial and Systems Engineering*, Vol. 25, No. 3, pp. 297-317
- Biju PL, P R Shalij and **G.V. Prabhushankar** (2017) 'An evaluation tool for sustainable new product development using analytic hierarchy process approach', *International Journal of Innovation and Sustainable Development*, Vol. 11, No. 4 pp. 393-413
- Biju PL, P R Shalij and **G.V. Prabhushankar** (2015) 'Evaluation of Customer Requirements and Sustainability Requirements through the Application of Fuzzy Analytic Hierarchy Process', *Journal of cleaner production*, Vol. 108, pp. 808-817
- **G. V. Prabhushankar**, K Kruthika, Souradeep Pramanik and Rajeshwar S Kadadevaramath (2015) 'Lean manufacturing system implementation in Indian automotive components manufacturing sector – an empirical study', *Int. J. of Business and Systems Research*, Vol.9, No. 2, pp.179-194
- Mohan Babu, **G. V. Prabhushankar**, Avinash M., Selvaraj M., (2014) 'Computer Aided Analysis and Optimization of Transmission Line Tower', *Int. J. of Manufacturing, Industrial and Management Engineering*, Vol. 2 No. 1, pp.35-44
- Shalij, P.R., Devadasan, S.R. and **Prabhushankar, G.V.** (2009) 'Design of ISO 9001:2000 based Supply Chain Quality Management System', *Int. J. of Process Management and Benchmarking*, Vol. 3, No. 1, pp.1-23
- V. Thirunavukkarasu, S. R. Devadasan, G. V. Prabhushankar, R. Muruges and K. M. Senthilkumar (2008) 'Conceptualization of Total Six Sigma Function Deployment through literature snapshots', *Int. J. of Applied Management Science*, Vol. 1, No. 1, pp. 97-122
- Shalij, P. R., Devadasan, S. R., **Prabhushankar, G. V.** and Anup Kumar, P. (2008) 'Integration of TQM with SCM: An ISO 9000 perspective through literature survey', *J. on Manufacturing Engineering*, Vol.7, No. 3, pp.74-80
- **Prabhushankar, G.V.**, Devadasan, S.R., Shalij, P.R. and Thirunavukkarasu, V. (2009) 'Design of Innovative Six Sigma Quality Management System', *Int. J. Process Management and Benchmarking*, Vol. 3, No. 1, pp.76-99
- **Prabhushankar G. V.**, Devadasan, S. R., Shalij P. R. and V. Thirunavukkarasu (2008) 'Origin, History and Definition of Six Sigma: A Literature Review', *Int. J. of Six Sigma and Competitive Advantage*, Vol. 4, No. 2, pp.133-150
- **Prabhushankar, G. V.**, Devadasan, S. R. and Shalij, P. R. (2008) 'Six Sigma in Indian Automotive Components Sector: A Survey', *ICFAI Journal of Operations Management*, Vol. 7, No. 3, pp.18-37
- **Prabhushankar, G. V.**, Devadasan, S. R. and Shalij, P. R. (2009) 'Journey of Indian automobile components sector: from Quality Management System certification to Innovation via Six Sigma', *Int. J. of Indian Culture and Business Management*, Vol. 2, No. 2, pp. 185- 210

Conference Proceedings:

- Ravikumar K and Prabhushankar G. V., “Performance Analysis and Improvement of Production Control Logistics Operations of Automotive Company Using Lean Principles” National Conference on Emerging Trends in Engineering Management (ETEM-2016), 04th – 05th May, 2016, JSS Academy of Technical Education, Bengaluru
- T.P.Viraj and **Prabhushankar G. V.**, “Design and analysis of compound die for punching and trimming operation” National Conference on Advances in Research & Development and Dissemination of Interdisciplinary Developments for Sustainability, 25th – 27th April, 2015, R.V.College of Engineering, Bengaluru
- Mohan Babu, **Prabhushankar G. V.**, Avinash M., Selvaraj M., “Computer Aided Analysis and Optimization of Transmission Line Tower” International conference on Recent Advances in Engineering Sciences, 4th – 5th September, 2014, M.S.Ramaiah Institute of Technology, Bangalore
- Sushant Bhujanganavar and **Prabhushankar G. V.**, “Forging Die Design for Connecting Rod to Increase Productivity”, International Conference on Innovations and Emerging Trends in Mechanical Engineering, 13th June, 2014, Nagarjuna College of Engineering and Technology, Bangalore
- **Prabhushankar G. V.**, Latha Shankar B. and Veena T R., ‘Curriculum Re-Design In Higher Education Using QFD – A Case Study’, International Conference on Transformation in Engineering Education (ICTEE-Hubli-2014), January 16-18, 2014, BVBCET, Hubli
- **Prabhushankar G. V.**, Souradeep P. and Kruthika, ‘TS 16949 certification in Indian Automotive components manufacturing sector – An empirical study’, National conference on emerging trends in engineering management, June 4-5, 2013, JSSATE, Bangalore
- **Prabhushankar G. V.**, Souradeep, P. and Kruthika, ‘Lean manufacturing system implementation in Indian Automotive components manufacturing sector – An empirical study’, International Conference on Advanced Materials, Manufacturing, Management and Thermal Sciences, May 3 – 4, 2013, SIT, Tumkur
- T.R.Veena and **Prabhushankar G. V.**, ‘Value stream mapping using simulation for lean implementation’, International conference on “Paradigms for Global Challenges and Opportunities: Vision 2025”, October 29 – 31, 2012, Indian Institution of Industrial Engineering – Bangalore chapter
- T.R.Veena and **Prabhushankar G. V.**, ‘Tools used in Different Phases of Six Sigma’, International Conference on Advanced Materials, Manufacturing, Management and Thermal Sciences, May 2013, SIT, Tumkur

- **Prabhushankar, G. V.** and Devadasan, S. R. 'Quality Management System in Indian Automotive Components Sector: A Survey', International Conference on Advances in Manufacturing Engineering (ICAME-2007), October 24-26, 2007, MIT, Manipal.
- **Prabhushankar, G. V.**, Devadasan, S. R. and Shalij, P. R. and V. Thirunavukkarasu, 'Six Sigma in Indian Automotive Components Sector: A Survey', Team Tech- 2007 an International Conference, October 4-6, 2007, IISc, Bangalore.
- **Prabhushankar G. V.**, Devadasan, S. R. and V. Thirunavukkarasu 'Origin, History and Definition of Six Sigma: A View through Literature Perspective' International Conference on Modeling and Simulation, August 27-29 2007, Coimbatore Institute of Technology, Coimbatore
- V. Thirunavukkarasu, S. R. Devadasan, **G. V. Prabhushankar**, and K. M. Senthilkumar, 'six sigma in SME: A Case Study', International Conference on Global Manufacturing and Innovation (GMI- 2006), July 27-29 2006, Coimbatore Institute of Technology, Coimbatore.
- **G.V.Prabhushankar** and R.S.K.Mutt, "Demand forecasting using simulation" National Conference on Advances in Manufacturing Technology (AMT2003), February 15-16, 2003, Department of Mechanical Engineering, NSS College of Engineering Palakkad and Institution of Engineers (India).

Reviewer for Journals:

- International Journal of Supply Chain & Logistics Management
- Journal of Engineering, Production and Project Management
- International Journal of Education Research
- International Journal of Management and Business Studies
- African Journal of Business Management

Books:

- "Life Changing Thoughts" – a collection of 800 and odd inspiring quotations.
- Soft Skills Work Book.

Invited Lectures, talks and workshops:

- Delivered invited talks on wide range of topics related to Quality Management System and Lean Six Sigma in various forums.
- Conducted more than 50 *man-days* of Workshops/Training on Outcome Based Education for the faculty of various engineering colleges.
- Conducted more than 40 *man-days* of audit for ISO certification, NBA and NAAC accreditation.

- Organized VTU TEQIP 1.3 sponsored 5 days FDP from 8th -12th July, 2019 on Implementation of Outcome Based Education in HEI at SIT, Tumkur.
- Organized 3 days FDP on Implementation of OBE in Polytechnic Colleges from 24th – 26th June, 2019 at SPT, Tumkur.
- Organized 3 days FDP on Outcome Based Education for the faculty of Siddaganga College of Pharmacy 1st – 3rd November, 2019.