



**Dr. Sachin K. Patil**

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2. Nationality : Indian

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**Dr. Sachin K. Patil**

HOP, M.Tech. (Mechanical-Production Engineering)

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4. Date of Birth : 29<sup>th</sup> July 1982

**5. Educational Qualifications:**

Degree	Divisison/Grade	Year	Specialization	Name of the University/Institute
Diploma (Mechanical)	First Class (69.58 %)	2000	Mechanical Engineering	Mharrashtra State Board of Technical Education
B.E. (Mechanical)	First Class with Distinction(67.33%)	2003	Mechanical Engineering	Shivaji University
M.E. (Mechanical)	First Class (68.17 %)	2007	Production Engineering	Shivaji University
Ph.D. (Mechanical)	Awarded	2015	Mechanical Engg.	SVNIT, Surat

## 6. Professional Experience : 12 Years

Address of the Institution	Post Held	Duration	Nature of Experience
R.I.T. Rajaramnagar, Maharashtra	Assistant Professor	11 Years and 3 months (2004 to till now)	(i) Teaching Courses at U.G. Students (ii) Conducting research at P.G. Levels (iii) Administrative Works
Manugraph India Ltd, Kodoli	V.R.D. Engineer	8 Months (2003-2004)	(i) Solve the technical queries of the vendors. (ii) Develop new products (iii) Develop new vendors

## 7. Current interests and assignments

- Production and Operation Management,
- Decision Support Models,
- Planning, Scheduling and Control Problems of Manufacturing System,
- MCDM in Fuzzy Environment,
- Logistics and Supply Chain Analysis,
- Computational Intelligence in Manufacturing and Logistics,
- Knowledge Management,
- Computer Integrated Manufacturing.

## 8. Details of Research Publications : 22

### (A) International Journal : 8

1. Patil, S. K. and Kant, R. (2014) 'A fuzzy AHP-TOPSIS framework to ranking the solutions of Knowledge Management adoption in Supply Chain to overcome its barriers', *Expert System with Applications*, Vol. 41, No. 2, pp.679-693 (Elsevier Publisher, Netherlands).
2. Patil, S. K. and Kant, R. (2014) 'A hybrid Approach based on fuzzy DEMATEL and FMCDM to predict success of Knowledge Management adoption in Supply Chain', *Applied Soft Computing*, Vol. 18, pp. 126-135 (Elsevier Publisher, Netherlands).

3. Patil, S. K. and Kant, R. (2014) 'Methodological literature review of Knowledge Management Research', *TÉKHNE - Review of Applied Management Studies*, Vol. 12, No.1- 2, pp.3-14 (Elsevier Publisher, Netherlands).
4. Patil, S. K. and Kant, R. (2014) 'Ranking the barriers of Knowledge Management adoption in Supply Chain using fuzzy AHP method', *International Journal of Business Innovation and Research*, Vol.8, No.1, pp.52-75 (Inderscience Publisher, UK).
5. Patil, S. K. and Kant, R. (2014) 'Knowledge Management Adoption in Supply Chain : Identifying Critical Success Factors using Fuzzy DEMATEL approach', *Journal of Modelling in Management*, Vol 9, No. 2, pp. 160-178 (Emerald Publisher, UK) .
6. Patil, S. K. and Kant, R. (2014) 'Predicting the success of Knowledge Management adoption in Supply Chain using fuzzy DEMATEL and FMCDM', *International Journal of Business Performance and Supply Chain Modelling*, Vol. 6, No. 1, pp. 75-93 (Inderscience Publisher, UK).
7. Patil, S. K. and Kant, R. (2013) 'A Fuzzy DEMATEL method to identify Critical Success Factor of Knowledge Management adoption in Supply Chain', *Journal of Information and Knowledge Management*, Vol. 12, No. 3, pp. 1-17 (World Scientific Publisher, Singapore).
8. Patil, S. K. and Kant, R. (2012) 'Organizational culture a HR strategy for successful knowledge management', *Journal Strategic HR Review*, Vol. 11, No.6, pp. 322-328 (Emerald Publisher, UK).

**(B) National Journal : 2**

9. Patil, S. K. and Telsang M. T. (2007) 'Humanware-A critical Dimension for achieving Competitive Advantage in JIT Environment', *Manufacturing Technology Today (CMTI)*, Vol. 6, No.9, pp. 10-14.
10. Patil, S. K. and Telsang M. T. (2007) 'Performance Benefits From Successful Implementation of Just-in-Time in An Engineering Firm – A Case Study', *Udyog Pragati Journal (NITIE)*, Vol. 31, No.2, pp. 14-22.

**(C) International Conference: 9**

11. Patil, S. K. and Kant, R. (2013), 'Forecasting the success of Knowledge Management adoption in Supply Chain' in *Proceedings of the IEEE International Conference on Industrial Engineering and Management, (IEEE-IEEM-2013)*, IEEE Bangkok.
12. Patil, S. K. and Kant, R. (2013), 'Ranking the enablers of Knowledge Management adoption in Supply Chain by using Trapezoidal fuzzy AHP Method' in *Proceedings of the 2<sup>nd</sup> International Conference on Industrial Engineering, (ICIE- 2013)*, S.V.N.I.T. Surat, pp. 277-283
13. Patil, S. K. and Kant, R. (2012), 'Identifying Critical Success Factors of Knowledge Management adoption in Supply Chain: A fuzzy DEMATEL approach' in *Proceedings of the IEEE International conference on Industrial Engineering and Management (IEE-IEEM-2012)*, IEEE Hongkong, pp.217-221.
15. Patil, S. K. and Telsang M. T. (2011), 'Just in Time Manufacturing implementation issues and performance in selected Indian Industries' in *the Proceedings of the 1<sup>st</sup> International Conference on Industrial Engineering (ICIE-2011)*, SVNIT Surat.
16. Patil, S. K. and Telsang M. T. (2007), 'Supplier Evaluation and Purchasing in JIT Environment – A survey of Indian Firms' in *the Proceedings of the International Conference on Advances in Manufacturing & Technology Management*, IIT, Mumbai.
17. Patil, S. K. and Telsang M. T. (2006), 'Relationship Between Work Culture Operational Performance in JIT Environment' in *the 3<sup>rd</sup> IEEE International conference on Management and Innovation and Technology (ICMIT-2006)*, IEEE Singapore.
18. Patil, S. K. and Telsang M. T. (2006), 'Supply Chain Management – A Critical Success Factor For JIT Manufacturing Effectiveness - A Case Study' in *the 4<sup>th</sup> International Conference on Globalization and Sectoral Development*, IILM Delhi.
19. Patil, S. K. and Telsang M. T. (2006), 'Empirical Investigation Of Benefits From Implementation Of Just In Time Manufacturing' in *the 6<sup>th</sup> International Conference on Emerging Issues in Accounting, Information Technology, Business & Management*, Research Association Jaipur.

20. Patil, S. K. and Telsang M. T. (2005), 'Impact of Workforce Flexibility and Organisational Culture on Just in Time Manufacturing – An Empirical Study' in *the 11<sup>th</sup> International conference on Productivity and Quality Research (ICPQR-2015)*, IIT, Delhi.

**(D) National Conference : 2**

21. Patil, S. K. and Kant, R. (2011), 'Literature review of Knowledge Management practices in Supply Chain' in *the Proceedings of the 2<sup>nd</sup> National conference on Recent Advances in Manufacturing (RAM-2011)*, SVNIT Surat, pp.165-169.
22. Patil, S. K. and Telsang M.T. (2006), 'Impact of Kanban and Supply Chain Management on Just in Time Manufacturing –An Empirical Study' in *the Proceedings of the National Conference on Emerging trends in Mechanical Engineering*, BMS, College, Bnaglore

**9. Reviewer of International Journals**

- Decision Support Systems (Elsevier, USA)
- Applied Soft Computing.(Elsvier, USA)
- Journal of Cleaner Production (Elsvier, USA)
- Total Quality Management & Business Excellence (Taylor and Francis, USA)
- Journal of Tourism Research & Hospitality (SciTechnol)
- Neural Computing and Applications journal (Springer UK)
- VINE The Journal of Information and Knowledge Management System (Emerald, UK)
- Industrial Management & Data System (Emerald, UK)
- International Journal of Safety and Security (UK)
- Journal of Research in Economics and International Finance (USA)

**10. National Conferences Organized : 1**

RIT-National Conference for Engineering Post Graduate Students (RIT-NConPG-15) on 1<sup>st</sup> June, 2015.

## 11. Training Programme Organized : 1

Three days Workshop on 'Teaching Pedagogies' at RIT, Rajaramnagar during 17<sup>th</sup> to 19<sup>th</sup> July 2008.

## 12. Training Programme Attended : 12

1. TEQIP II sponsored Short Term Training Program (STTP) on "Supply Chain Management and E Business" organized by Mechanical Engineering Department, S.V. National Institute of Technology, Surat during June 22-26, 2015.
2. TEQIP-II sponsored One Week STTP on 'Mathematical, Statistical, Operation Research based Modelling and Simulation for Researchers, Engineers and Scientists' conducted by SVNIT, Surat during 27<sup>th</sup> to 31<sup>st</sup> January, 2014.
3. 3<sup>rd</sup> One day Seminar on 'Recent Trends in Industrial Engineering' conducted by SVNIT, Surat on 6<sup>th</sup> April, 2013..
4. 2<sup>nd</sup> One day Seminar on 'Recent Trends in Industrial Engineering' conducted by SVNIT, Surat on 21<sup>st</sup> April, 2012..
5. One Week IUCEE workshop on 'Sustainable Energy' conducted by LBR college of Engineering, Mylavaram during 5<sup>th</sup> to 9<sup>th</sup> July, 2010.
6. Two days workshop on 'Communication Skills' conducted by RIT, Rajaramnagar in collaboration with P.O.E.M.S. Trainer Pune during 28<sup>th</sup> & 29<sup>th</sup> June, 2010.
7. One day workshop on 'Advanced Manufacturing Techniques' conducted by RIT, Rajaramnagar on 27<sup>th</sup> March, 2010.
8. One Week workshop on 'Effective Communication Skills' conducted by RIT, Rajaramnagar and The Blacksmith, Mumbai during November, 2006.
9. One day workshop on 'Welding Processes and Applications' conducted by RIT, Rajaramnagar on 29<sup>th</sup> July, 2006.
10. Two days training on 'Intellectual Property Rights and Patentung in India & Abroad' conducted by RIT, Rajaramnagr during 26<sup>th</sup> to 27<sup>th</sup> June 2006.
11. One day workshop on 'Curriculum Development for B.E. (Mechanical)' conducted by RIT, Rajaramnagar 2<sup>nd</sup> November, 2004.
12. Three days National Conference on 'Recent Trends inn CAD/CAM/CAE' at RIT, Rajaramnagar during 21<sup>st</sup> to 23<sup>rd</sup> June 2004.

### **13. Special/Guest Lectures/Keynote speeches delivered: 5**

1. Invited talk on “Multi Criteria Decision Making (MCDM)” in the TEQIP II sponsored Short Term Training Program (STTP) on “Research Methodology: Tools and Techniques” organized by Mechanical Engineering Department, S.V. National Institute of Technology, Surat during June 15-19, 2015.
2. Invited talk on “Research Paper Writing” in the TEQIP II sponsored Short Term Training Program (STTP) on “Research Methodology: Tools and Techniques” organized by Mechanical Engineering Department, S.V. National Institute of Technology, Surat during June 15-19, 2015.
3. Invited talk on “Multi Criteria Decision Making (MCDM) in Supply Chain” in the TEQIP II sponsored Short Term Training Program (STTP) on “Supply Chain Management and E Business” organized by Mechanical Engineering Department, S.V. National Institute of Technology, Surat during June 22-26, 2015.
4. Invited talk on “Multi Criteria Decision Making (MCDM) in Knowledge Management adoption in Supply Chain” in the TEQIP II sponsored Short Term Training Program (STTP) on “Supply Chain Management and E Business” organized by Mechanical Engineering Department, S.V. National Institute of Technology, Surat during June 22-26, 2015.
5. Visiting Expert lecture for M.B.A. for the subjects ‘Production and Material Management’ and ‘Application of Operation Research in Management’ has been delivered at RIT Sakharale during 2008-2010.

### **14. Administrative Responsibilities Handled**

- HOP, M.Tech. (Mechanical-Production Engineering)
- Journal Manager, Journal of Engineering Education Transformations (JEET)
- Organizing Secretary, ‘RIT-National Conference for Engineering Post Graduate Students (RIT-NConPG-15)
- CAD/CAM Lab Incharge
- Oral Exam Coordinator, Class Test Incharge
- Technical-Event (Quantum) Coordinator
- Coordinator Competitive Exam Cell

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