

## Profile Page



Name : Dr. Rakesh K. Sharma

Designation : Associate Professor

Department : Industrial & Production Engg.

Qualification : Ph.D. Mechanical and Industrial Engineering (Indian Institute of Technology Roorkee)  
M.E. Mechanical Engineering (Production) (Panjab University Chandigarh)  
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### **Research Interests :**

1. Manufacturing Flexibility, Factories of the Future and Design of Manufacturing Systems
2. Engineering Management, Engineering Economics, Industrial Psychology and Entrepreneurship
3. Multi-objective Optimization and Discrete Event Simulation
4. Outcome Based Education (OBE); Engineering Education Optimization

### **Journal Publications :**

<b>Year</b>	<b>Journal</b>	<b>Publication</b>
2019	Int. J. Technology policy and Management (Accepted for publication)	An Investigation of Drivers for Need of Flexibility in Indian Manufacturing Industries
2017	Global Journal of Flexible Systems Management, Vol. 18, No. 2, pp. 123-137	The Relationship between Flexibility of Manufacturing System Components, Competitiveness of SMEs and Business Performance: A Study of Manufacturing SMEs in Northern India
2017	Journal of Advanced Research in Dynamical and Control Systems, Vol. 9, No. 8, pp.131-141	Optimal Configuration Assignment Plans of Multi Flow-Line RMS Using NSGA-II
2017	Journal of Advanced Research in Dynamical and Control Systems, Vol. 9, No. 8, pp.142-150	Performance based optimal capacity utilization in RMS

2017	Indian Journal of Science and Technology, Vol. 10, No. 16, pp.1-8	RMS Cell formation using Block Diagonalized Matrix
2017	Global Journal of Engineering Science and Research Management, Vol. 4, No. 9, pp.49-58	Part family formation for reconfigurable manufacturing system considering alternative operation sequences
2017	International Journal of Engineering and Technology, Vol.9, pp.1365-1373	Part Family and Operations Group Formation for RMS Using Bond Energy Algorithm
2017	International Research Journal of Management & Commerce, Volume 04, Issue 10, pp 58-72	Manufacturing SMES Vis- a- Vis Women Entrepreneurship : A State of the Art Review
2017	International Journal of Pure and Applied Mathematics, Vol. 117, No. 7, pp.231-254	Empirical investigation of part family formation in Reconfigurable Manufacturing System
2016	Journal of Engineering, Project, and Production Management, Vol. 6, No. 1, pp. 63-76	Impact of Flexibility of Manufacturing System Components on Competitiveness of SMEs in Northern India
2016	Int. J. Indian Culture and Business Management, Vol. 13, No. 2, pp. 205–225	Impact of competitiveness on business performance: a case study of manufacturing SMEs in Northern India

### Conference Publications :

Year	Conference	Publication
2017	3rd National Conference on Advances in Manufacturing System &#40;CAMS-2017&#41;, MechEnggDeptt, SBSSTC, Ferozepur	Performance Measures in Reconfigurable Manufacturing System
2017	National Conference on Frontiers in Materials Research & Applications, Chemical Engg and Civil EnggDeptt., SBSSTC, Ferozepur	Comparison of Traditional Manufacturing Systems with Modern Manufacturing Systems
2015	2nd National Conference on Advances in Manufacturing System, MechEnggDeptt, SBSSTC, Ferozepur	Reconfigurable Manufacturing System-A new class of systems
2014	1st National Conference on Advances in Manufacturing System, MechEnggDeptt, SBSSTC, Ferozepur	Use of Reconfigurable Manufacturing Systems in Industries
2014	5th International and 26th National- All India Manufacturing Technology Design and research Conference, MechEnggDeptt. IIT Guwahati	Group Technology in the Design of Manufacturing Systems- A Review