

Resume

Dr Lokesh Kumar

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Dr Lokesh Kumar is currently an Assistant Professor in Mechanical Engineering Department at Jamia Millia Islamia, New Delhi. He is associated with Production and Industrial Engineering Research Group of the Department, since 1th September, 1999. He obtained his M.E.degree in Production and Industrial System Engineering from University of Roorkee, Roorkee (now IIT, Roorkee). He also obtained his Ph.D. in the area of Supply Chain Management from Indian Institute of Technology, Roorkee (IITR). He also recieved the scholarships during B.Tech and M.E. His research interest are: Reconfigurable Manufacturing Systems, Supply Chain Management, Production Planning and Control, Operations Management, Production Management, E-commerce, Operation Research, Modelling & Simulation, Reliability Engineering, Maintenance Management, Manufacturing Operations Planning, Life Cycle Costing, Soft computing and Applied Artificial Intelligence. Rapid Prototyping, Metal Casting, Machining, Non-Conventional Manufacturing Methods.

He has published several papers in the reputed International Journals such as : International Journal of Advanced Manufacturing Technology, International Journal of Production Research, Journal of Cleaner Production , International Journal of simulation and Modelling, Advances in Production and Management. He is reviewer of research papers from various journals such as: International Journal of Advanced Manufacturing Technology, European Journal of Operation Research, Robotics and Computer Integrated Manufacturing, Journal of Cleaner Production, Journal of Risk and Reliability, Journal of Engineering Manufacture UK, Operational Research Journal etc.

Teaching Experience:

Around 20 years

Awards Received:

Scholarship in Bachelor of Technology (B.Tech) and Master of Engineering (M.E.).

Specialization:

Industrial System Engineering, Production Engineering and Management.

Publications:

Among several publications, some noteworthy published research papers in International Conferences and International Journals are as follows:

1. Lokesh K, Jain PK (2008) Part machine group formation with operation sequence, time and production volume. International Journal of Simulation Modeling 7(4):198-209.
2. Lokesh K, Jain PK (2009) Part Machine group formation with ordinal-ratio data and production volume. International Journal of Simulation Modeling 8(2):90-101
3. Lokesh KS, Jain PK (2010a) Dynamic cellular manufacturing system design- a comprehensive model and HHGA. Advance in production Engineering and Management Journal 5(3):151-162.
4. Lokesh KS, Jain PK (2010b) Concurrently part machine group formation with important data. International Journal of Simulation Modeling 9(1):5-16.
5. Lokesh KS, Jain PK (2010c) Selection of rapid prototyping Technology. Advance in Production Engineering and Management Journal 5(2):75-84.
6. Lokesh KS, Jain PK (2011) Dynamic cellular manufacturing system design- a comprehensive model. International Journal of Advance Manufacturing Technology 53(14): 11-34.
7. Lokesh KS, Jain PK (2012a) A mathematical model for Reconfigurable Manufacturing System Design. International Journal of Production Research 50(12): 3359-3381.
8. Lokesh KS, Jain PK (2012b) An integrated model of dynamic cellular manufacturing and supply chain system design. International Journal of Advance Manufacturing Technology Vol. 62, 1-4:385-404.
9. Lokesh KS, Jain PK (2016) Tyre- remanufacturing supply chain management practices: an exploratory study to improve competitiveness and environmental friendliness. EBSCC 2016 Conference, IIT Kharagpur , India :12-14 February 2016, p. Excel India publisher Delhi, 346-357.
10. Lokesh K, Jain PK, Sharma AK (2018) Tactical supply chain planning for Tyre

remanufacturing considering carbon tax policy. International Journal of Advanced Manufacturing Technology 97:1505-1528. DOI:10.1007/s00170-018-1972-03.

11. Saxena L (2018) Greenfield/ Brownfield supply chain data-set-1, Mendeley Data, v2, <http://dx.doi.org/10.17632/d86k3d5648.1>
12. Lokesh K, Jain PK, Sharma AK (2018) A fuzzy goal programme with carbon tax for Brownfield tyre remanufacturing supply chain planning. Journal of Cleaner Production 198:1-17, DOI: 10.1016/j.jclepro.2018.07.005.
13. Saxena L (2018) Greenfield/ Brownfield supply chain data-set-1, Mendeley Data, v2, <http://dx.doi.org/10.17632/d86k3d5648.1>
14. Lokesh K, Jain PK (2006) Rapid Prototyping: A Review, Issues And Problems, International conference CARs & FOF,VIT, India ,19-22 July, 126-138.
15. Lokesh Kumar, Khan RA (2004) Rapid Design and Manufacturing, Global Conference on flexible System Management (GLOGIFT) March, 13-15, JMI ,Delhi.

Reviewer Invitations:

Research paper reviewer invitation from journals such as:

- International Journal of Advanced Manufacturing Technology
- European Journal of Operation Research
- Arabian Journal for Science and Engineering
- International Research Journal of Engineering Science, Technology and Innovation
- Scientia Iranica Journal.
- Advances In Business Management & Administration
- Robotics and Computer Integrated Manufacturing
- Journal of Risk and Reliability
- Journal of Engineering Manufacture UK
- Journal of Materials Processing Technology
- Operational Research Journal
- Journal of Cleaner Production
- Iranian Journal of Fuzzy Systems

Research Interests:

- Supply Chain Management
- Production Planning and Control
- Marketing Management
- Reliability and Quality
- Operations Management
- Manufacturing system design
- E-commerce
- Operation Research
- Production Management
- Industrial Engineering
- ERP
- FMS

- CMS
- CAD/CAM
- Scheduling
- Forming Process
- CIM
- CAPP
- Rapid Prototyping
- Metal Casting
- RMS
- Modeling & Simulation
- Machining
- Non-Conventional Manufacturing Methods

Course Teaching Interests:

Primary Teaching Interests:

- Supply Chain Management
- Operations Management
- Production Management
- Operation Research
- Industrial Engineering
- Production Planning and Control
- Scheduling
- E-commerce
- TQM
- Marketing Management
- Manufacturing system design
- Modeling & Simulation
- Reliability and Quality
- CIM
- FMS
- CAD/CAM
- CAPP
- RMS
- CMS
- ERP
- Engineering Economy

Secondary Teaching Interests:

- Machining Process
- Mechatronics
- Reverse Engineering
- Forming Process
- Rapid Prototyping
- FEM
- Metal Casting
- Non- Conventional Manufacturing Methods

Software Used:

- Programming in C
- UNIGRAPHICS
- MASTERCAM
- AutoCAD
- MS-Office
- SCILAB
- LINGO
- CATIA
- PROE
- ANSYS
- MATLAB
- CNC and ROBOT Programming
- MS-Word
- MS Excel
- PowerPoint Presentation