

## LIST OF PUBLICATIONS

1. Mallika Parveen and T. V. V. L. N. Rao **Optimal batch size in a single-stage and optimal number of kanbans in a multi-stage JIT production-delivery system with rework consideration**, Accepted for publication in *International Journal of Logistics Systems and Management*.
2. Mallika Parveen and T. V. V. L. N. Rao **Optimal batch sizing, quality improvement and rework for an imperfect production system with inspection and restoration**, *European Journal of Industrial Engineering*, Vol. 3, No. 3, 2009, pp.305-335.
3. Mallika Parveen and T. V. V. L. N. Rao **A JIT integrated inventory model for a buyer and a vendor considering the impact of quality improvement**, *International Journal of Manufacturing Technology and Management*, Vol. 18, No. 2, 2009, pp.210-227.
4. Mallika Parveen and T. V. V. L. N. Rao **An integrated approach to design and analysis of lean manufacturing system: A perspective of lean supply chain**, *International Journal of Services and Operations Management*, Vol. 5, No. 2, 2009, pp.175-208.
5. Mallika Parveen and T. V. V. L. N. Rao **The value of setup cost reduction and quality improvement on the optimal production run length and inspection schedules in a deteriorating production process**, *International Journal of Enterprise Network Management*, Vol. 3, No. 1, 2009, pp.1-22.
6. Mallika Parveen and T. V. V. L. N. Rao **Optimal cycle length and number of inspections in an imperfect production processes with investment on setup cost reduction and quality improvement**, *International Journal of Manufacturing Research*, Vol. 4, No. 1, 2009, pp. 17-36.
7. Mallika Parveen and T. V. V. L. N. Rao **Managing quality improvement, setup cost and lead time reductions in a just-in-time integrated inventory model**, *International Journal of Information Systems and Change Management*, Vol. 3, No. 2, 2008, pp. 147-156.
8. Mallika Parveen and T. V. V. L. N. Rao **Pricing, Investment and Order Quantity Decisions in Collaboration between a Manufacturer and a Retailer**, *International Journal of Business Innovation and Research*, Vol. 2, No. 2, 2008, pp. 141-176.

## **BRIEF BIOGRAPHY OF THE CANDIDATE**

Mallika Parveen is a Senior Lecturer of Mechanical Engineering at BITS, Pilani-Dubai. She holds an MS in Technological Operations from BITS, Pilani and is currently pursuing her PhD in Lean Manufacturing Systems from BITS, Pilani. Her research interests are Lean Manufacturing, Production/ Inventory Control and Supply Chain Systems.

## **BRIEF BIOGRAPHY OF THE SUPERVISOR**

T V V L Narasimha Rao is an Assistant Professor in Mechanical Engineering at BITS, Pilani. He received a Ph. D. in Tribology of Fluid Bearings from Indian Institute of Technology Delhi in 2000, and an M. Tech in Mechanical Manufacturing Technology from National Institute of Technology Calicut in 1994. He has undertaken research in the area of Stability and Cavitation phenomena of Fluid Film Bearings. His research interests are Tribology, Production/ Inventory Control and Supply Chain Systems. He has over 18 international journal publications. Some of his research works were published in the following journals: ASME Journal of Tribology, STLE Tribology Transactions, Tribology International and International Journal of Rotating Machinery. He has reviewed papers published in the following journals: STLE Tribology Transactions, Tribology International, International Journal of Acoustics and Vibration, and International Journal of Rotating Machinery and in the following conferences: ASME International Design Engineering and Technical Conferences and STLE Annual Meeting.