

**Aquitaine –Karnataka collaboration
Scientific Project for Pre-PhD student exchange**

Scientific Proposal

Project Title	Roadmap for Practicing and Sustaining Lean Production Systems in a Manufacturing Cluster of Peenya Industrial Area, India	
Scientific domain	Production Engineering and Manufacturing Engineering and Management	
Summary (ca. 10 lines)	This study involves a development of roadmap for adopting and sustaining lean production systems in a selected manufacturing cluster in Peenya Industrial Area, Bangalore India. There is a research scope to understand the demographic challenges and opportunities for lean production system and develop cluster specific roadmap. This roadmap will serve all the stake holders (both within and outside cluster) to practice and sustain lean production system. Data collection and analysis will be carried out using appropriate statistical methods. The roles and responsibilities of the stake holders and Key Performance Indices (KPIs) will to be developed for continuous monitoring and improvement	
Student profile wished	Graduate in production engineering / operations management. Acquaintance of Lean production systems , Tools and Techniques for Toyota production systems	
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Timing & duration for project	3- 4 Months
Representative References	J. R. Jadhav, S. S. Mantha, S. B. Rane, (2014)“Roadmap for Lean implementation in Indian automotive component manufacturing industry: comparative study of UNIDO Model and ISM Model”, Vol 10, pp. 74-94, Journal of Industrial Engineering International Jaiprakash Bhamu , Kuldip Singh Sangwan , (2014) "Lean manufacturing: literature review and research issues", Vol. 34 Iss: 7, pp. 876 – 940, International Journal of Operations & Production Management

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