

# **An Industrial Engineering Approach of Improving Competitiveness within Automotive Part Manufacturing Industries in SA.**

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## **Abstract (12 font)**

Manufacturing companies are faced with a number of problems which includes productivity output, supplies and most especially competitive methods, which is the greatest part that defines the company wellbeing within the constantly changing environment. Due to these reason, it is important to find a strategic competitive method that can keep the industries floating in order to stay in business. Our paper demonstrate and outline a number of techniques that can be use to remedy a number of this problem , which includes the use of Industrial engineering techniques to identify the problem and proposing a way forward. According to our findings and results, it show that gaining competitiveness in the constantly changing environment requires that speed, quality, cost and time must be critically utilize in the best possible way.

**Keywords Competitiveness, Manufacturing, Productivity, Suppliers.**

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Add acknowledgement if need

## **Biography**

**John M Ikome** is a lecture at the Vaal University of Technology and a Phd Student at the Tshwane University of Technology. He was an Innovation Research Analyst with Technology Transfers and Innovation and Later joint the French Schneider Electric Education in Vanderbijlpark. He holds a Master's degree in Industrial Engineering, specialization Technology Management. He also studied at the Vaal University of Technology and holds a number of degree which includes Baccalaureate Technology Industrial. He is interested in research Innovation and technology management. He has a great experience working with manufacturing industries and also developed a production scheduling model as a feedback control system to minimized disruption, which is currently being used in a number of manufacturing companies around the world. He has published over twenty five conference and journal papers within the past three year. Ikome worked with UNIDO and IOL under a joint project which included consulting and rescuing manufacturing organization from collapsing. He is a member of a number of organization which includes, Southern Africa Institute of Industrial Engineer, Engineering council of South Africa etc. and also an International reviewer in a number of conference and journal.