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Abstract Details

Titile: Modeling Towards The Augmentation Of Manufacturing Efficiency – An Ism Approach

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Abstract: Increasing Business Competition Is Bound To Compelthe Manufacturers In Improving Their Operational Efficiency For The Sake Of Their Own Survival. Promoting Manufacturing Efficiency Calls For Restructuring Of Business Process, Saving Of Resources Including Energy Resources, Cultivating Skill Of Employees, Waste Reduction, Periodic Maintenance Of Machines, Focus On Standardization, Automation And Several Such Other Steps. In Order To Improve Manufacturing Efficiency Different Issues That Affect Manufacturing Process Need To Be Analyzed And Efforts To Be Put To Optimize Them. Review Of Literatures And Expert's Opinion Helped Inrecognizing Important Metrics Considered As Vital Issues Towards Enhancing Manufacturing Efficiency. These Relates To Quality, Efficiency, Product, Process, Environment, Market, Economy And Related Issues. These Are Also Criticalfrom Sustainable Manufacturing Viewpoint. The Identifiedmetrics Has Been Used To Formulate An Ism Modelfor The Enhancementof Manufacturing Efficiency. The Analysisreveals That Employee Training & Participatory Teamwork And Innovations & Use Of Advanced Manufacturing Technologies Are Two Significant Drivers For The Enhancement Of Manufacturing Efficiency.

Keywords: Manufacturing; Efficiency; Interpretive Structural Modeling (Ism); Micmac; Transitivity; Metrics