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IMPLEMENTATION OF STATISTICAL TOOLS AND TECHNIQUES IN TO MANUFACTURING SECTOR-A BRIEF ANALYSIS OF SUITABLE TOOLS AND TECHNIQUES

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ABSTRACT

The manufacturing sector has always been a cornerstone of economic growth, driving innovation, efficiency, and productivity. This made me think in the research of implementation of these statistical tools and techniques in to manufacturing sector speciously which are the tools we can try to implement towards bringing in to interface between the statistical tools to the manufacturing. Since the literature studies and researches till now being notice very rare part of statistical tools being added or used in this sector. So, here in the current study we have picked several tools like SIPOC diagram, Control chart and Brain Storming methos as a initial tools and techniques in briefing the how we can synchronise the interface this tools to the manufacturing. The statistical tools and techniques that can be effectivelyimplementedinthemanufacturingsectortooptimizeprocesses, reduce variability, and enhance product quality. The paper also discusses the relevance and application of these tools in addressing common challenges within the industry.

KEYWORDS: *Statistical Tools, SIPOC, Control Charts, Brain Storming*

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