Abstract

Today Higher Productivity achievement is very important factor for the production field. With the Higher productivity other various factors must be taken in to consideration in manufacturing industries such as global competitors, lead time and customer need in terms of quality and quantity. A new Technique Six Sigma has been developed for dealing with all these needs. Six Sigma visions to improve the quality output of a process and product by identifying the causes in the process and removing the causes of defects and minimizing the variability in
manufacturing process. Since Motorola gave birth to Six Sigma in the late 1980s, these concepts have been implemented worldwide in firms striving for quality improvement in their processes. This concept was brought in by engineer Bill Smith while working at Motorola in 1986, it is a continuous quality improvement process and created from the concepts of Total Quality Management. The main objective of this paper is to review and examine the advancement of six sigma practices in global manufacturing industries and identify the technique and key tools of each step in successful Six Sigma project execution. In this paper the Six Sigma role has been examined through the case study of manufacturing industries. It is perceived through the study that Six Sigma has been contributed to improved financial status, productivity and customer satisfaction. In today's scenario, many global manufacturing industries operate their processes at the 2 to 4 sigma quality levels. [1][2]

References

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Index Terms

Computer Science Information Sciences

Keywords