**ABSTRACT**

**“AGILE MANUFACTURING”**

**(PRODUCTION ENGINEERING)**

This paper deals with the review of different research and literature papers related to Agile Manufacturing in the field of Production Engineering. In today‘s rapidly changing global economy, it is necessary for industries to introduce Agile Manufacturing in their firms so as to cope up with unpredictable and ever changing consumer demands. The implementation of agile manufacturing also increases the competitiveness of the firm over the global scale irrespective of the varying customer demands. Agile applies the principal of flexibility, adaptability and responsiveness in order to handle the changes in the routine events, without affecting the mass production. Unlike Lean manufacturing, which concentrates to produce products with minimum inventory, agile is less concerned with minimizing inventory than with meeting the consumer demands. The actual necessity of Agile in a firm is to bring in the quick decision making and response towards the ever fluctuating desires of the customers. Agile manufacturing is an effective method of lowering manufacturing costs, increasing market share and satisfying customer demands. The flexible manufacturing, elimination of waste and adaptability to lean allows industries to attend maximum success.

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