

Determining suitable volume of flexibility with SWOT analysis

Farshad Sadeghiyan-Yekta

Industrial engineering, Ershad university of damavand, mmfm_s@yahoo.com

Abstract

In competitive industry, determining the volume of flexibility is one of the most important fields for surviving and creating competitive advantage for organizations. Flexibility takes many forms. In this article in addition to dissect research, try to provide a comprehensive solution for determining the volume of flexibility in Different parts of different organizations. For this goal we use of Internal Flexibilities Factor Evaluation (IFFE) Matrix and External Factor Evaluation (EFE) matrix and SWOT analysis. At the final determine volume of flexibility in Baghaee ceramics and tiles company.

Keywords: Flexibility, Volume of flexibility, SWOT analysis, Manufacturing flexible

1.Introduction

Short product cycles, advancement of technology, increasing production diversity, resource constraints, Lack of liquidity and etc make the industries more competitive than in the past. The organizations that haven't enough resistance in this competition Will be destroyed. Organizations which want to survive need to have flexibility, they should increase efficiency, reduce costs and have the ability to produce the variety of productions [1]. Flexibility has different aspects. The determining volume of flexibility in every aspect is not equal for every organization. Some times flexibility hasn't a good result and can effect on quality, discipline, costs and etc [2]. For examples, Bureau of Labor Statistics (BLS) in U.S.A reported over 70% of American companies use part time workers and approximately 20% workers are temporary workers also approximately 40% companies in USA use of temporary workers [3]. Researches in service show that number of employees is dependent on the volume of their demand so that over half the personals in service are temporary and part time [4,5].

In the result provide a comprehensive solution for the determine volume of flexibility in different parts of different organizations is so important. This article in addition to dissect research, try to provide a comprehensive solution for determine volume of flexibility in different parts of different organizations and for this goal use of Internal Flexibility Factors Evaluation (IFFE) Matrix, External Factor Evaluation (EFE) matrix and SWOT (Strengths,