The Impacts of Ergonomic Aspects on the Quality

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Received 4 November 2013; revised 4 December 2013; accepted 7 January 2014

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Abstract

In recent times, the relationship between quality and ergonomics discipline is a challenging topic. Although there are similarities and differences between these two areas, it is not so easy to describe the connection between these two issues. In this study by surveying several articles, different areas of ergonomics are divided into five categories including hardware ergonomics, environmental ergonomics, software ergonomics, work design ergonomics and macro ergonomics, then the impact on the quality of each of these areas will be discussed. Finally, the article concludes that, to reach an acceptable quality considering the ergonomic principles is an integral component of the organization policy.

Keywords

Ergonomics; Quality; Organization; Productivity

1. Introduction

Each issue of ergonomics and quality has their own discipline. There are many similarities between the two, although there are many differences with each other. Ergonomics and the quality of both the history and the issues are new [1]. Relationships between ergonomics and quality in recent years have been taken into account. Therefore, there is little information in this area [2]. There is not enough information about how various aspects of ergonomic can have an influence on quality. Clarifying the relationship between the two issues is not only helpful for managers who focus more on quality but also for ergonomists who are trying to show their ability. In this article, we have tried to collect detailed information about the relationship between ergonomics and quality and have outlined them. So firstly, brief definitions of ergonomics and quality will be given, then, the literature on how the relationship between the two applies was reviewed. Finally, it was concluded that ergonomists must do...