

Robotics Applications in Healthcare and Industry Sectors: Review

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Abstract. *The detailed inspection surveys the literature surveys the significant influences that robotics has been on many different fields, like healthcare and industry. This study takes a look at the advantages and the challenges of robots in different industries, following their development from simple devices into complex and very intelligent components today. The research demonstrates how robots have been developed from traditional manufacturing to more effective types that are used in healthcare and industry by depending on academic research, technical progress and real data. The use of robots has dramatically increased the efficiency of production in the industrial field, eliminating the error limits which resulted in cost savings as well as maximum quality articles. Many usages that, appear for robots, like those in healthcare for the monitoring and diagnostics of patients, as well as increase the precision of surgical operations. This full change explains the robot's potential to transform the care of patients as a whole. Also, many studies focused on the robot's growing importance in the service sector. This article confirms the robot's potential to transform multiple industries to be under the control of robots to obtain more precision, quality and improved production in various fields.*

Keywords: Robotics; Technology Impact; Industry; Healthcare.

1. INTRODUCTION

Robotics represent a group of technology currently in the untimely fields of field. The design of robots is essential in order to implement tasks with more accuracy and speediness than humans which produce at maximum efficiency and minimum time in different industries like medical services. Also, robots may work in dangerous environments which may cause risks for humans. The initial digital robotic system was designed by 'George Devol' in 1954 [1].

Recently, the robotics sector has achieved great progress with major influences on numerous different domains. The aim of the literature review is the examination of the development of robotic techniques and their applications. The robotic is used in various sectors such as healthcare, education and industries, solving interesting problems. The aim of this review is to offer an overview of robotics, which is utilized a lot in our lives today by studying the important trends, changes and problems in many fields. The review has been organized to show the applicable research in the past years. The role of networks, artificial intelligence and information technology is essential in developing robotic systems. The dependence on information networks enables robotic connectivity to accomplish the work, given the