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(INSTRUMENTATION)

PROJECT REPORT
ON

A STUDY OF INDUSTRIAL ROBOTICS

BY

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SYNOPSIS

In this study, we are interested in the use of robotics in industry. Our aim is to identify deeply what is meant by robotics and its application in industry. This study includes an introduction to both the technology and the application of industrial robotics. The coverage include :configurations and specifications, industrial applications, control theory and technology, computer consideration, end effectors and workhandling, sensor and sensory feedback, safety, economic and social consideration.

As an introduction, a definition of what exactly is a robot is necessary since wrong interpretation have been made by a number of people.

The next step is to categorize robot power whether it is hydraulic, electrical or pneumatic or maybe it will use either both or even all three. The reason for this is to determine which type of robots give more or less power compare to weight ratio. In conjunction to that, a discussion of type of work is also given. Therefore this will also include robot movement (degree of freedom) and the robot working envelope.

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