

A Review on Barriers in Implementation of Robotics Technology in the Construction Projects

S. B. Umesh¹ and U. Sindhu Vaardini²

Student, Department of Construction Management¹

Faculty, Department of Civil Engineering²

Kumaraguru College of Technology, Coimbatore. India

umeshpm2000@gmail.com and sindhuvaardini@gmail.com

Abstract: *One of the oldest and most important sectors of a country's economy is the construction sector. Through infrastructure projects, amenities, and real estate development, the Indian construction industry contributes significantly to the country's economic growth and nation-building. India is trailing behind the west in the application of robotics and automation in construction, while the west is seeing a rise in this field. An examination of the particular reasons limiting adoption in Indian building projects is presented in this research. The objective of the review is to identify and categorise the most critical challenges that are limiting the adoption of robotics in construction projects. The information provided will help those working in construction come up with mitigation plans. The results show that, while there is awareness of the benefits of adaptability and the use of robots in construction, there are a number of resistance factors that must be overcome for robotics to be successfully adopted in India. Generally speaking, professionals in the construction industry consider automation and robotics to be synonymous, and they believe that robotics is appropriate for a developing nation like India.*

Keywords: Automation, robotics, modern technology, construction industry, automated construction

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