### A FIELD BASED PROJECT

ON

#### JOYSTICK CONTROLLED INDUSTRIAL AUTOMATION SYSTEM

**Submitted to the** 

### JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KUKATPALLY, HYDERABAD

In partial fulfillment of the requirement for the award of the degree of

# BACHELOR OF TECHNOLOGY IN ELECTRONICS & COMMUNICATION ENGINEERING BY

KOTA VENKATA RAGHAVA RAJA SASHANK

(227Y1A04C5)

Under the Guidance of Mrs. N. PARIMALA

Assistant Professor





## MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY & MANAGEMENT

(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)

NAAC Accredited Institution with 'A' Grade & Recognized Under Section2(f) & 12(B)of the UGC act,1956

### **Department of Electronics & Communication Engineering**

Date:

### **CERTIFICATE**

This is to certify that the project work entitled "JOYSTICK CONTROLLED INDUSTRIAL AUTOMATION SYSTEM" work done by KOTA VENKATA RAGHAVA RAJA SASHANK (227Y1A04C5), student of Department of Electronics and communication engineering, is a record of bonafide work carried out by the members during a period from December 2023 to June 2024 under the supervision of Mrs. N. Parimala, Assistant Professor. This project is done as a fulfillment of obtaining Bachelor of Technology Degree to be awarded by Jawaharlal Nehru Technological University Hyderabad, Hyderabad.

The matter embodied in this project report has not been submitted by me to any other university for the award of any other degree.

#### KOTA VENKATA RAGHAVA RAJA SASHANK

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

	The Viva-Voce Examination of above student, has been held
01	

FBP COORDINATOR

HEAD OF THE DEPARTMENT

PRINCIPAL/DIRECTOR

### Index

Acknowledgements	5
Abstract	6
Chapter 1: Introduction	
1.1 Introduction	7
Chapter 2: Components Required	
2.1 Components Required	8
2.2 Hardware Components	8
2.3 Problem Statement	9
2.4 Scenario	9
2.5 Software Components	9
Chapter 3: Project Objectives	
3.1 Project Objectives	10
Chapter 4: Literature Review	
4.1 Literature Review	11
<b>Chapter 5: Existing Technologies</b>	
5.1 Existing Technologies	16
Chapter 6: Proposed Technologies	
6.1Proposed Technologies	18
Chapter 7: Working methodology	
7.1 methodology	20

Chapter 8: Result	
8.1 Simulation Result	
8.2 Hardware Result	
Chapter 9: Advantages and Disadvantages:	
9.1Advantages and Disadvantages	
References	

