A WEB-BASED TELEOPERATION FOR AMR FOR ROBOT NAVIGATION CONTROL

A Project report submitted in partial fulfilment of the requirements for the award of degree

of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted by

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(NAAC Accredited, Approved by AICTE, Permanently Affiliated to J.N.T.U. VIZIANAGARAM)

TAMARAM (P.O), MAKAVARAPALEM (M.O), NARSIPATNAM (R.D)

ANAKAPALLI DISTRICT -531113

2020-2024

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CERTIFICATE

This is to certify that the program entitled "**A WEB-BASED TELEOPERATION OF AMR FOR ROBOT NAVIGATION**" in partial fulfilment for the degree of Bachelor of technology Department of ELECTRONICS AND COMMUNICATION ENGINEERING at AVANTHI INSTITITUTE OF ENGINEERING AND TECHNOLOGY , Makavarapalem , Narsipatnam is an bonafied work carried out by, B.PRASANTHI (20811A0413), M.SRIVANI (20811A0440), A.RENUKA (20811A0403), T.AZAD (20811A0405),Under the guidance and supervision during 2023-2024.

PROJECT GUIDE

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ABSTRACT

The "Web-Based Tele-operation for AMR" project introduces a user-friendly interface accessible via web browser, enabling remote control and navigation of Autonomous Mobile Robots (AMRs). Through this interface, users can command AMRs to move, turn, and navigate within their environment in real-time, regardless of their physical location. By empowering remote navigation control, the project enhances the flexibility and accessability of AMRs in various applications, including logistics, survelliance, and exploration.