AI-GUIDED ASSISTANTANCE FOR THE VISUALLY IMPAIRED: SCENE EXPLANATION

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

Of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMUNICATION ENGINEERING

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CERTIFICATE

This is to certify that the project entitled **"AI GUIDED ASSISTANCE FOR THE VISUALLY IMPAIRED: SCENE EXPLAINTION"** in partial fulfilment for the of degree of Bachelor of technology in ELECTRONICS AND COMUNICATION ENGINEERING, at AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, **MAKAVARAPALEM, VISAKHAPATNAM** is an bonified work carried out by B.LOKESH (20811A0410), M.SURESH (20811A0438), M.MONALI (20811A0437), N.JAYA LAKSHMI (20811A0434) **Under the guidance and supervision during 2023-2024.**

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ABSTRACT

AI-guided Assistance for the Visually Impaired: Scene Description and Interpretation" offers tailored support to individuals with visual impairments by leveraging advanced Chatgpt AI vision model algorithms. Through computer vision technology, the system describes and interprets scenes in real-time, providing verbal explanations of objects, people, and surroundings. This assistance enhances the user's understanding of their environment, enabling greater independence and confidence in daily activities. The project emphasizes scene comprehension, focusing on delivering relevant information to empower visually impaired individuals in their surroundings.