

ENRICHING ROBOTIC KNOWLEDGE: INTEGRATING CHATGPT

*Project report submitted in partial fulfillment of the requirements for the award of the
Degree of*

BACHELOR OF TECHNOLOGY

In

COMPUTER SCIENCE AND ENGINEERING

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AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE, New Delhi & Permanently affiliated to JNTUGV VIZIANAGARAM)
(Accredited by NAAC, UGC & NBA, AICTE)
MAKAVARAPALEM, NARSIPATNAM,
VISAKHAPATNAM-531113
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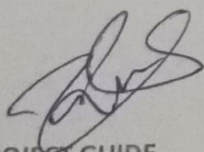
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CERTIFICATE

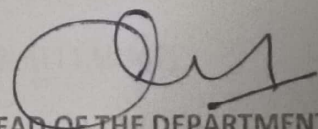
This is to certify that the project entitled "ENRICHING ROBOTIC KNOWLEDGE: INTEGRATING CHATGPT" in partial fulfillment for the of degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING, at AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, MAKAVARAPALEM, VISAKHAPATNAM is an bonafied work carried out by K.BHARATHI (20811A0555), B.ELISHA RAJU (20811A0508), V.SAIKUMAR (20811A05B3), N.GOWTHAM (20811A0567), P.SAISUMANTH(20811A0583) under the guidance and supervision during 2023-2024.



PROJECT GUIDE

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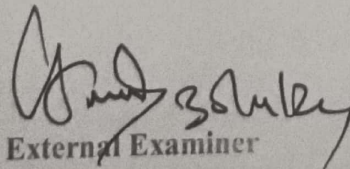


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ABSTRACT:

"Enriching Robotic Knowledge with OpenAI's ChatGPT Integration" harnesses the extensive knowledge available on the internet through OpenAI's ChatGPT integration. By leveraging this integration, robots gain access to a wealth of information spanning various domains and topics available on the internet. Through ChatGPT, robots can answer queries, provide explanations, and offer insights derived from diverse online sources, thereby enhancing their knowledge base and improving their ability to assist users effectively. This integration enables robots to tap into a vast repository of internet knowledge, empowering them to provide valuable and informed responses to user inquiries across a wide range of subjects.

This project aims to enrich robotic knowledge by integrating ChatGPT, a powerful conversational AI model developed by OpenAI. By incorporating ChatGPT into robotics systems, we can enhance the ability of robots to engage in natural language interactions with humans, thereby improving their usability, adaptability, and overall performance. This integration involves leveraging ChatGPT's extensive language understanding capabilities to enable robots to comprehend and respond to a wide range of user queries, commands, and conversational prompts. Additionally, the project explores methods for integrating ChatGPT with existing robotic frameworks and platforms, considering factors such as real-time processing, resource constraints, and security. Through this integration, we aim to advance the field of human-robot interaction and facilitate the development of more intelligent and intuitive robotic systems for various applications, including customer service, healthcare, education, and personal assistance.