VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI - 590018

Mini Project Report

On

"INTELLIGENT VIRTUAL ASSISTANT USING API'S"

A report submitted in partial fulfillment of the requirements for

MINI PROJECT (21AIMP67)
In
Artificial Intelligence & Machine Learning

Submitted by

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY MIJAR,

(Unit of Alva's Education Foundation ®, Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi,
Approved by AICTE, New Delhi, Recognized by Government of Karnataka.
Accredited by NACC with A+ Grade
Shobavana Campus, Mijar, Moodbidri, D.K., Karnataka
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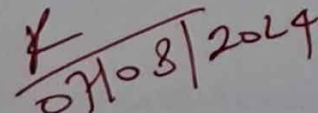## DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

This is to certify that the Mini Project entitled **"VIRTUAL ASSISTANT"** has been successfully completed by
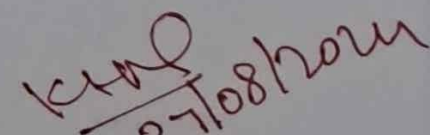
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The Bonafide students of the Department of Artificial Intelligence and Machine Learning, Alva's Institute of Engineering and Technology in the **DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING** of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2023–2024. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report deposited in the departmental library. The Mini Project report has been approved as it satisfies the academic requirements in respect of the Mini Project work prescribed for the Bachelor of Engineering Degree.

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ABSTRACT

In an era of rapid technological advancements, virtual assistants have become indispensable tools for enhancing daily productivity and efficiency. This report explores the development and functionality of an intelligent virtual assistant (IVA) that utilizes APIs to tackle everyday problems and streamline various tasks. The IVA is designed to perform a wide range of functions, including conducting Google searches, opening and closing websites, launching applications, providing the latest news updates, checking the weather and time, scheduling daily activities, executing system commands such as locking and shutting down the computer, and translating from English to Tulu. By integrating these features, the IVA simplifies routine tasks and significantly boosts overall productivity, making it a valuable asset in both personal and professional settings.