VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"Jnana Sangama" Belagavi – 590 010

PROJECT REPORT ON

"THE BUNK - YOUR VIRTUAL ASSISTANT"

Submitted in partial fulfillment of the requirements for the award of degree

BACHELOR OF ENGINEERING IN

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Submitted By

Name	USN
NITIN HEMA RAJ	4AL20AI027
ULLAS H U	4AL20AI048
H BHAVANA	4AL20AI016
KEERTHANA K	4AL20AI020

Under the Guidance of
Prof. Harish Kunder
Associate Professor
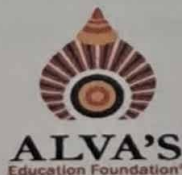
ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(Unit of Alva's Education Foundation (R), Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi &
Approved by AICTE, New Delhi. Recognized by Government of Karnataka.
Accredited by NAAC with A+ Grade
Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka
2023-2024

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(Unit of Alva's Education Foundation (R), Moodbidri)
Affiliated to Visvesvaraya Technological University, Belagavi &
Approved by AICTE, New Delhi. Recognized by Government of Karnataka.
Accredited by NAAC with A+ Grade
Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

CERTIFICATE

Certified that the project work entitled **"THE BUNK - YOUR VIRTUAL ASSISTANT"** is a bona fide work carried out by

NITIN HEMA RAJ	**4AL20AI027**
ULLAS H U	**4AL20AI048**
H BHAVANA	**4AL20AI016**
KEERTHANA K	4AL20AI020

in partial fulfillment for the award of **BACHELOR OF ENGINEERING** in **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 project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

Signature of the Guide
Prof. Harish Kunder

Head of the Department
Dept. of Artificial Intelligence & Machine Learning
Alva's Institute of Engineering and Technology
Signature of the HoD
Shobhavana Campus, Mijar
Prof. Harish Kunder
Moodubidire - 574 225, D.K. Karnataka, India

Signature of the Principal
PRINCIPAL
Alva's Institute of Engg. & Technology
(Dr. Peter Fernandes) - 574 ?

EXTERNAL VIVA

Name of the Examiners	Signature with date
1. Harish Kunder	28/05/2024
2. Manjunath H	05/5/24

ABSTRACT

The development of the "BUNK" multifunctional virtual assistant application represents a significant endeavor aimed at providing users with a seamless and intuitive interaction experience across various platforms. Incorporating voice command recognition, a chat interface, and communication functionalities such as calls, video calls, and emails, BUNK is designed to streamline daily activities and tasks. Its modular architecture enables the efficient handling of distinct components, leveraging speech-to-text technology for voice commands and integrating relevant APIs and libraries for communication features. The user interface prioritizes accessibility and ease of use, ensuring that users can navigate effortlessly and access all functionalities with convenience. Rigorous testing methodologies, including unit tests and user acceptance testing, guarantee the reliability and robustness of the application. The ongoing efforts focus on enhancing existing features and introducing new functionalities to continually improve the capabilities of the virtual assistant. In essence, BUNK represents a comprehensive solution for users seeking intelligent assistance in managing their daily routines and optimizing productivity.