VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A PROJECT REPORT ON

"CHAT BOT"

Submitted in partial fulfillment for the award of Degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE & ENGINEERING

By

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ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that the project entitled "**CHAT BOT**" has been successfully completed by

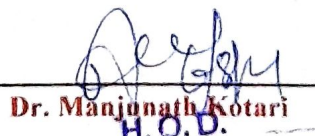|	
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the bonafide students of **DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING,**
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY of the **VISVESVARAYA**
TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2020–2021. It is certified
that all corrections/suggestions 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.

06/10/2021

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ABSTRACT

The information gathering is very time-consuming and repetitive, and often requires manpower to provide visitors with the necessary details. The user can ask questions relating to the university, then the query is applied as an input to an algorithm that processes the request and shows the resulting user response. A dialog-exchanging system generating a meaningful and empathetic conversation between human and a computer is called a chat-bot which processes the natural language input that can be either a speech or a textual form and gives the response in the same language and expression as of the human.

Various Natural Language Processing (NLP) techniques using the python library, Natural Language Tool Kit (NLTK) these inputs of speech from users can be processed and intelligent responses from such system engine can be gained to build up a human-like interaction. The chat-bot is built with a limited dictionary but uses a great algorithm to imitate a real person. The chat-bot can be used to find you an amusing partner and help you in bad times. If the users, ask the question to the chat-bot it will give suggestion based on that question. The answers are appropriate to the user's queries, if the user find his answer to be invalid, it will give default message and will notify to admin. The algorithm used here has an intelligently built-in logic and is designed to better chat with users.