VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

A PROJECT REPORT ON

"NEXT WORD PREDICTION USING N-GRAM"

Submitted in partial fulfillment for the award of Degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE & ENGINEERING

By

B H RASHMI	4AL19CS018
BHOOMIKA M	4AL19CS020
CHINMAYA D KAMATH	4AL19CS026
DIVYASHREE S K	4AL19CS032

Under the Guidance of

Mrs. Anupama k

Senior Assistant Professor

ALVA'S

Education Foundation

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MOODBIDRI-574225, KARNATAKA

2022-23

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225, KARNATAKA

ALVA'S

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that the project entitled "NEXT WORD PREDICTION USING N-GRAM" has been successfully completed by

B H RASHMI	4AL19CS018
BHOOMIKA M	4AL19CS020
CHINMAYA D KAMATH	4AL19CS026
DIVYASHREE S K	4AL19CS032

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 2022–23. 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 Projectwork prescribed for the Bachelor of Engineering Degree.

Mrs. Anupama K Project Guide	Dr. Manjunath Kotari Head Of the Department	Dr. Peter Fernandes Principal

Dept. Of Computer Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

PRINCIPAL
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K

Name of the Examiners	Signature with Date
1.	
2.	

ABSTRACT

One of the most effective methods for improving conversation is to anticipate the word that will be chosen next. Socializing has gotten much simpler thanks to the development of mobile technologies and the widespread use of the internet. People use their mobile devices for a growing number of activities, including email, social networking, banking, and other things, all over the globe. It's critical to type as rapidly as you can because this conversation moves at such a rapid clip. This calls for the use of a predictive text application. Text prediction is one of the most widely used strategies for quickening communication. However, it's also important to consider how quickly text is expected in this scenario. The objective of this work is to develop a new word predictor algorithm that recommends words that are grammatically more suitable, with less strain on the system, and significantly lowers the number of keystrokes required by users. The predictor uses a probabilistic language model based on the N-Grams method as its text prediction tool.