

**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**

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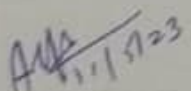


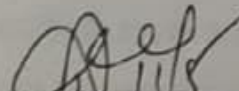
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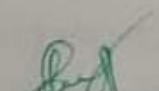
This is to certify that the project entitled "**NEXT WORD PREDICTION USING N-GRAM**" has been successfully completed by

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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 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.


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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.