VISVESVARAYA TECHNOLOGICAL UNIVERSITY,

BELAGAVI

A PROJECT REPORT ON

"DIGITAL COMPLAINT PORTAL"

Submitted in partial fulfillment for the award of Degree of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE & ENGINEERING

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CERTIFICATE

This is to certify that the project entitled **"DIGITAL COMPLAINT PORTAL"** 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** ofthe **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2023–24. 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.

15/05/24

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ABSTRACT

In an era marked by the prevalence of digital communication, the internet serves as a vast repository of information. However, it also harbors an array of online threats, misinformation, and illicit activities that necessitate early detection and mitigation. This project seeks to harness the power of web mining and machine learning techniques to identify and preemptively address suspicious keywords and phrases across the web. The aim is to enhance online safety, protect users from emerging threats, and contribute to a moresecure digital environment. With the exponential growth of online activities, the identification and mitigation of cyber threats have become critical aspects of modern cybersecurity. This study delves into the realm of web mining for suspicious keywords as a proactive approach to detect potential threats and malicious activities on the internet. The aim is to develop advanced techniques for analyzing web content to uncover patterns and anomalies associated with suspicious keywords that may indicate cyber threats, phishing attempts, or other maliciousactivities.

The research utilizes a combination of data mining, natural language processing, and machine learning algorithms to sift through vast amounts of web data and identify patterns that deviate from normal online behavior. By focusing on the extraction and analysis of suspicious keywords, the study aims to enhance the efficiency and accuracy of threat detection systems. The investigation involves the development of a comprehensive framework that encompasses web crawling, data preprocessing, feature extraction, and modeling to effectively identify and classify suspicious keywords