

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI**



**A PROJECT REPORT ON
“SENTIMENT ANALYSIS AND SUICIDAL
TENDENCY DETECTION USING TWITTER DATA”**

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
MOODBIDRI-574225, KARNATAKA 2019 – 2020**

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

This is to certify that the project entitled **“SENTIMENT ANALYSIS AND SUICIDAL TENDENCY DETECTION USING TWITTER DATA”** 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 2019–2020. 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.

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ABSTRACT

Depression (major depressive disorder) is a common and serious medical illness that negatively affects how you feel, the way you think and how you act. Depression, versus ordinary unhappiness, is characterized by longer and deeper feelings of despondency and the presence of certain characteristic symptoms. Depression is frequently ignored or untreated; the condition often prevents people from taking steps to help themselves. This distinction is important, because in severe cases, depression can be life threatening, with suicide as a possible outcome. Suicide is the second leading cause of death in young people. A major cause of suicide is mental illness, very commonly depression. Currently, methods for depression and suicidal tendency detection and diagnosis rely on self reporting coupled with the health care practitioners informed assessment. The provision of effective health monitoring systems and diagnostic aids could be crucial and important to improve health professionals work and lower healthcare costs. Sentiment and affective suicidal tendency sensing technology could help to tackle these objectives by providing effective tools and systems for objective assessment.