HEALTH MONITORING IN SOCIAL MEDIA OVERTIME

A project report submitted in partial fulfillment of the requirements for the award of the Degree of

BACHELOR OF TECHNOLOGY

In

COMPUTER SCIENCE AND ENGINEERING

Submitted by

S. Tejaswari
Regd.No. **16811A0580**

MD.Gule Afsha
Regd.No. 16811A0582

N.Sateeswara rao
Regd.No. **16811A0557**

R.Ramu
Regd.No. 16811A0556

M.Tarun Sai
Regd.No. 16811A0551

Under the guidance of

Mr. K. VARA PRASAD, M.Tech
Assistant professor

Department of Computer Science and Engineering

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

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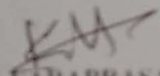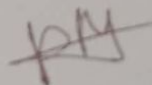MAKAVARAPALEM, NARSIPATNAM,
VISAKHAPATNAM-531113
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MAKAVARAPALEM, NARSIPATNAM

VISAKHAPATNAM-531113

CERTIFICATE

This is to certify that the project entitled " HEALTH MONITORING ON SOCIAL MEDIA OVER TIME " in partial fulfillment for the of degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING, at AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, MAKAVARAPALEM, VISAKHAPATNAM is an bonafied work carried out by S.TEJASWARI (168I1A0550), N.SATEESWARARAO(168I1A0557), MD.GELL VESHA(168I1A0552), M.MADHU TARUN SAI(168I1A0551) , S.RAMU(168I1A0556) under the guidance and supervision during 2019-2020.

(K.VARAPRASAD)
Project Guide

(P. MANIKANTA MANOHAR)
Head of the Department

External Examiner

ABSTRACT

Social media has become a major source for analyzing all aspects of daily life. Thanks to dedicated latent topic analysis methods such as the Ailment Topic Aspect Model (ATAM), public health can now be observed on Twitter. In this work, we are interested in monitoring people's health over time. Recently, Temporal-LDA was proposed for efficiently modeling general-purpose topic transitions over time. In this paper, we propose Temporal Ailment Topic Aspect a new latent model dedicated to capturing transitions that involve health-related topics. learns topic transition parameters by minimizing the prediction error on topic distributions between consecutive posts at different time and geographic granularities.