

STOCK MARKET PREDICTION WITH SENTIMENTAL REVIEWS

*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

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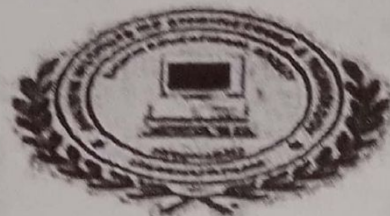
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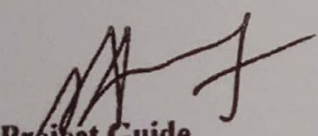
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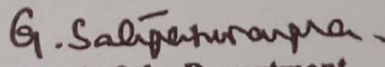
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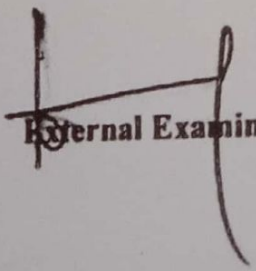


CERTIFICATE

This is to certify that the project entitled "STOCK PREDICTION WITH SENTIMENTAL REVIEWS" in partial fulfillment for the degree of Bachelor of Technology in COMPUTER SCIENCE AND ENGINEERING, at AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, MAKAVARAPALEM, VISAKHAPATNAM is a bonafied work carried out by G.PYDITHALLI (15811A0524), G.DEEPIKA (15811A0520), I.PRASANNA (15811A0530), M.MAHIDHAR REDDY (15811A0542) under the guidance and supervision during 2018-2019.


Project Guide


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ABSTRACT

Stock market volatility is influenced by information release, dissemination, and public acceptance. With the increasing volume and speed of social media, the effects of Web information on stock markets are becoming increasingly salient. However, studies of the effects of Web media on stock markets lack both depth and breadth due to the challenges in automatically acquiring and analyzing massive amounts of relevant information. In this study, we systematically reviewed 229 research articles on quantifying the interplay between Web media and stock markets from the fields of Finance, Management Information Systems, and Computer Science. In particular, we first categorized the representative works in terms of media type and then summarized the core techniques for converting textual information into machine-friendly forms. Finally, we compared the analysis models used to capture the hidden relationships between Web media and stock movements. Our goal is to clarify current cutting-edge research and its possible future directions to fully understand the mechanisms of Web information percolation and its impact on stock markets from the perspectives of investors cognitive behaviors, corporate governance, and stock market regulation.