



**FINAL YEAR PROJECT REPORT**

**FAKE PRODUCT REVIEW DETECTION FOR  
GENUINE ONLINE PRODUCT USING OPINION  
MINING**

**In fulfillment of the requirement  
For degree of  
BS (COMPUTER SCIENCES)**

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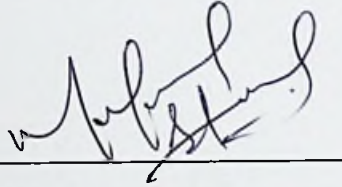
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**DECLARATION**

We herewith declare that this project report relies on our original work aside from citations and quotations that are punctually acknowledged. we have a tendency to additionally declare that it's not been antecedent and at the same time submitted for any other degree or award at Bahria University or other institutions.

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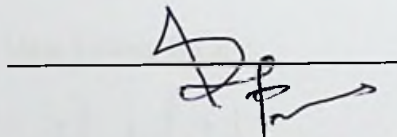
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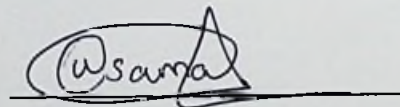
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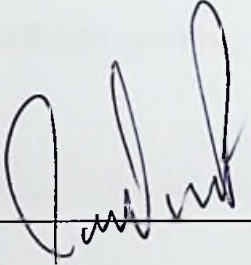
**APPROVAL FOR SUBMISSION**

I certify that this project report entitled **“FAKE PRODUCT REVIEW DETECTION FOR GENUINE ONLINE PRODUCT USING OPINIONMINING”** was prepared by **M. Shoaib, Sadiq M Younus and Usama Shahid**

has met the specified customary for submission in partial fulfilment for the award of Bachelor of Computer Science science (Honours)at Bahria University

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Signature



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## **FAKE PRODUCT REVIEW DETECTION FOR GENUINE ONLINE PRODUCT USING OPINION MINING**

### **ABSTRACT**

It is important for future customers to make choices on the basis of online feedback. The utility, though, gives rise to a curse – a false opinion spam. Deceptive opinion spam misleads prospective consumers and organisations to reshape their companies and inhibits opinion-mining strategies from drawing correct conclusions. Thus, the identification of misleading feedback has become more and more forceful. In this project, we try to figure out how to differentiate between fake reviews and genuine reviews by using the linguistic features of the Yelp Filter Dataset. We have suggested an approach for features extraction dependent on the Latent Dirichlet Allocation (LDA). The findings of the experiment have shown that the procedure is efficient. The growing prevalence of online reviews also encourages the false review writing industry, which relates to paying human writers creating disappointing reviews to manipulate the opinions of readers. Our project solves this issue by developing a classifier that takes the evaluation text and its reviewer's specific data as inputs and outputs if the review is valid.

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