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BY

MAMIDALA KOMALI

(196B1A0546)

DECLARATION

I **MAMIDALA KOMALI** hereby declare that this project has been carried out entirely under the esteemed guidance of **P.SOUMYA, Asst. Prof** for the partial fulfilment of the award of the degree of B. Tech in Computer Science and Engineering at **Kakatiya Institute of Technology & Science for Women, Manikbhandar, Nizamabad, Affiliated to JNTUH** and further it has not been submitted to any other university or institutions for the award of any other degree.

BY

MAMIDALA KOMALI

(196B1A0546)

ABSTRACT

Information Retrieval (IR) in computing and information science is the process of obtaining information resources that are relevant to an information need from a collection of those resources. Searches can be based on full-text or other content-based indexing. Information Retrieval is searching for document in a file, searching for documents themselves, and also searching for texts, images from database. Automated information retrieval is used to reduce time intricacy. An IR system is a software system that provides access to documents , stores and manages those documents.

Here we are proposing Information retrieval using Natural Language Processing (NLP) and (PAC) Passive Aggressive Classifier algorithm to boost the accuracy instead of XGBOOST algorithm and SVM algorithm in IR.