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Subjective Examination Evaluation Based on Spelling Correction and Detection Using Hamming Distance Algorithm

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Abstract

The usage of Online examination systems in education is not a new concept for the past several years, Objective assessments have been conducted using examination systems.

This research examines E-examinations that include an E-assessment system that can be used for subjective questions. The present work aims to investigate the spelling errors, for experiment 12th standard Business studies paper is collected from a CBSC school. The exam was conducted on Microsoft teams. Hamming distance for word matching or spelling mistakes is deployed on one word and one sentence. Types of Error considered while evaluating spell mistakes are Inserting, Missing, Replacement or Substituting and Transposition error or Swap which resulted in a 46.62% correction on the overall result of subjective inspection for spell mistake in answer assessment.

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