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

| Conference paper | First Online: 27 July 2022

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Advances in Computing and Data

<u>Sciences</u>

(ICACDS 2022)

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Part of the book series: Communications in Computer and Information Science ((CCIS, volume 1614))

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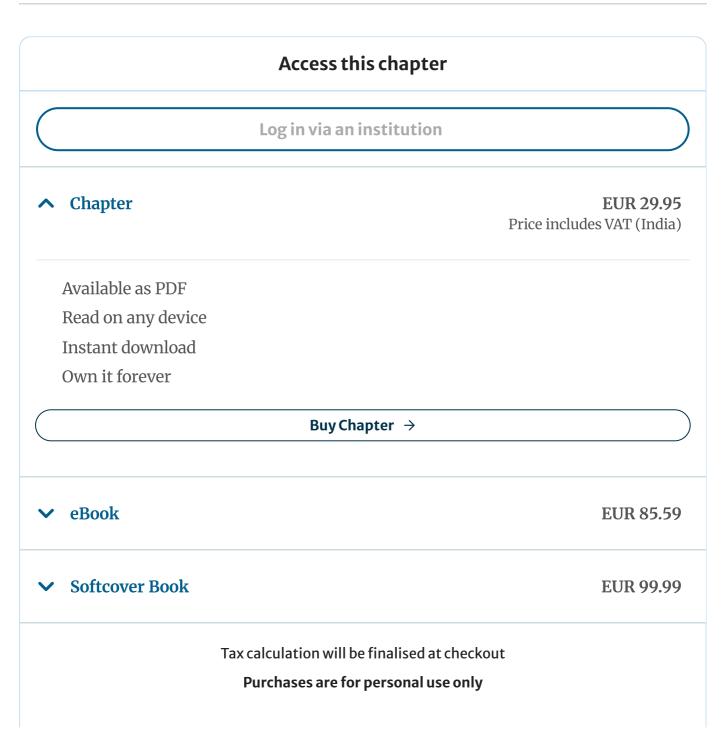
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Abstract

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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Acknowledgment

The authors would like to acknowledge thanks to Chattrapati Shahu Maharaj Research Training & Human Development Institute (SARTHI), Pune they awarded fellowship, CSRI DST Major Project sanctioned No. SR/CSRI/71/2015(G), and also thanks to Computational and Psycholinguistic Research Lab Facility supporting this work and Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra, India.

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Cite this paper

Kankhar, M.A., Mahender, C.N. (2022). Subjective Examination Evaluation Based on Spelling Correction and Detection Using Hamming Distance Algorithm. In: Singh, M., Tyagi, V., Gupta, P.K., Flusser, J., Ören, T. (eds) Advances in Computing and Data Sciences. ICACDS 2022. Communications in Computer and Information Science, vol 1614. Springer, Cham. https://doi.org/10.1007/978-3-031-12641-3_19

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DOI	Published	Publisher Name
https://doi.org/10.1007/9	27 July 2022	Springer, Cham
78-3-031-12641-3_19		

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