

An Implementation On : Exam Ease with Online Exam Portal

**Prof. Atul Akotkar¹, Vishwajit Sarkar², Pranay Mahule³, Kunal Chakole⁴, Gulshan Raut⁵,
Gaurav Hajare⁶, Priyanka Siram⁷**

Professor, Department of Computer Science and Engineering¹

UG Students, Department of Computer Science and Engineering^{2,3,4,5,6,7}

Nagarjuna Institute of Engineering Technology & Management, Nagpur, Maharashtra, India

Abstract: *E-learning in higher education significantly expanded over the last ten years, as its undeniable advantages were observed in critical moments such as natural disasters (including the COVID-19 pandemic) and peace-time circumstances. The E-learning online exams is highly significant to the students because it is conducted within a short period of time and without any errors of cheating, unfairness, or carelessness. On the other hand, online test can be conducted over E-learning platform without being physically present at the examination centre at the same time. This raises several questions: for example does it pose the problem of integrity and security while taking online tests?*

Many of the researchers who were trying to handle such problems suggested their own approaches and instruments. Nevertheless, while there are some published literature works that bring together and compare recent advancements, especially in the field of online evaluation, these are seldom to be found. This paper applies an SLR on online exams and selects and analyses 53 papers from the last five years (period from January 2016 to July 2020). Further to that, five major online tests functions are evaluated in the pinpointed studies. In addition, the underlying implementation of development methods for online exams solution is innovatory. Besides that, 16 techniques / algorithms, and 11 datasets are also demonstrated. The other one is 21 online examination tools that are listed in the selected studies. Also, they are included.

Keywords: Online Examining, Online Proctoring, Systematic Literature Review, e-Learning, Exam Creation, Analyze Response.

REFERENCES

- [1]. A Systematic Review of Online Exams Solutions in E-Learning: Zhifang et al. (2021), IEEE Techniques, Tools, and Global Adoption. Current version date: March 2, 2021.
- [2]. Brisset, W., Talbi, O., Kolsk, C., & Hoogstoel, F. (2016) Multi-Role project (MRP): A Fresh paradigm for STEM that is learner oriented. IEEE Transactions on Education, Vol. 59, No. 2, pp. 137-146. Doi:10.1109/te.2015.2462809
- [3]. I.S.I., R.A., S.A.K.F.H., H.H.M.O., 2017 Evaluation and supervision of online project proposal process at the final year (OPENS). 2017 15th IEEE Student Conference on Research and Development (SCOReD). Doi:10.1109/scored.2017.8305392
- [4]. Yiang Jiang, and Jing Wang (2016). Partial copy detection in videos: The benchmark and the methods of the most renowned methods. IEEE Transactions on Big Data, 2(1), p32-42. Doi:10.1109/tbdata.2016.2530714
- [5]. R. Albastroi, A., Iova, F., Goncalves, M.C., Mihaescu, P., and Novais, P. "A platform e-Exam design to enhance the academic performance of University learning students," Proceedings. Int. Symp. Intell. Distrib. Comput., vol. 798. Cham, Switzerland: Springer, Sep 2018: pp.404-413.
- [6]. Students Views On Online Examination Practices in Universities: Wirkungsliteratur: <https://www.researchgate.net/publication/348663116>
- [7]. Tinoco L., Fox E. and Barnette D: Feedback on the online student evaluation of the courseware in the WWW-based course in the Proceedings of the 28 SIGCSE Technical Symposium (1997), p.194-198.
- [8]. Online Examination System, <https://www.eklavvya.in>

[9]. Online Exam System, <https://www.melimu.com>