



Notice for the PhD Viva Voce Examination

Ms Nitha Varghese, Registration Number: 2090055, PhD Scholar at the School of Education, CHRIST (Deemed to be University), will defend her PhD thesis at the public viva-voce examination on Monday, 28 September 2026, at 11.00 am in Room No. 628, 6th Floor, R & D Block, CHRIST (Deemed to be University), Bengaluru - 560029, Karnataka, India.

Title of the Thesis : **Effectiveness of Interactive E-Content on Listening Skill, Language Comprehension and Achievement in English Language among Secondary School Students**

Discipline : **Education**

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The members of the Research Advisory Committee of the Scholar, the faculty members of the Department and the School, interested experts and research scholars of all the branches of research are cordially invited to attend this open viva-voce examination.

Registrar (Academics)

Place: Bengaluru

Date: 18 September 2026

ABSTRACT

This study employed a quasi-experimental two-group pre-test, post-test, delayed post-test design to examine the effectiveness of interactive e-content in enhancing listening skills, language comprehension, and achievement in English among secondary school students. Purposive random sampling technique is used for the study. The population comprised secondary school students following the Kerala State Syllabus, in Thrissur district and selected 200 students from two schools one from urban and another school from rural locality. The researcher developed interactive e-content using the ADDIE model and validated by three content experts and two media experts, yielding high validation scores of 95.5% and 91.5%, respectively, confirming its appropriateness and quality. A standardized listening skill test (Aravind, 2019) and researcher-developed language comprehension test, were utilized for data collection. The achievement test employed in the study consisted of summative evaluation question papers of 8th standard the Kerala State Syllabus. Data collection proceeded through sequential phases, beginning with the pre-test, followed by the intervention wherein the control group received conventional instruction and the experimental group engaged with interactive e-content. This process concluded with the administration of the post-test and a delayed post-test. Data were analyzed using t-tests and effect sizes. Results revealed statistically significant improvements indicating the superiority of the experimental group across listening skill ($t = 27.01$, $p = 0.0001$, $r = 0.62$), language comprehension ($t = 26.70$, $p = 0.0001$, $r = 0.62$), and achievement in English ($t = 48.92$, $p = 0.0001$, $r = 0.61$), all indicating large effect sizes. These findings demonstrate that interactive e-content is highly effective in strengthening listening skills, improving language comprehension, and enhancing overall achievement in English among secondary school learners.

Keywords: Achievement in English language, Interactive e-content, Interactive e-content language comprehension, Interactive e-content listening skills

Publications:

1. Varghese, N., & Thomas, K. A. (2026). Development of interactive e-content to enhance listening skill and language comprehension among secondary school students. *IJERE*, 15(1), 670-679. <http://doi.org/10.11591/ijere.v15i1.33599>
2. Varghese, N., & Thomas, K. A. (2026). Effect of Interactive E-Content on Enhancing Listening Skill and Language Comprehension in English Language among Secondary Schools Students. *Journal of Education and Learning (EduLearn)*, 20(3), 1876-1886. <https://doi.org/10.11591/edulearn.v20i3.24682>