

**CHRIST**(DEEMED TO BE UNIVERSITY)
BANGALORE | DELHI NCR | PUNE

Notice for the PhD Viva Voce Examination

Ms Liya Mathew, Registration Number: 2090053, PhD Scholar at the School of Education, CHRIST (Deemed to be University), will defend her PhD thesis at the public viva-voce examination on Thursday, 01 October 2026, at 11.30 am in Room No. 044, Ground Floor, R & D Block, CHRIST (Deemed to be University), Bengaluru - 560029, Karnataka, India.

Title of the Thesis	:	TPACK and Acceptance of Technology Integration among Higher Secondary School Teachers of Kerala
Discipline	:	Education
External Examiner - I	:	Dr Amruth G Kumar Professor Department of Education Central University of Kerala Tejaswini Hills Periye - 671320 Kerala
External Examiner - II	:	Dr R C Patel Professor Faculty of Education and Psychology The Maharaja Sayajirao University of Baroda Vadodara Gujarat - 390007
Supervisor	:	Dr Louis George Professor (Former) School of Sciences CHRIST (Deemed to be University) Bengaluru - 560029 Karnataka

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:** 12 September 2026

ABSTRACT

The interaction between the Technological Pedagogical and Content Knowledge (TPACK) framework and the Unified Theory of Acceptance and Use of Technology (UTAUT) model among schoolteachers working at the higher secondary level in Kerala is examined in this quantitative study. The study aims to give a comprehensive understanding of how teachers' knowledge dimensions influence their acceptance of technology. It also examines the effect of the moderation of demographics like age, gender, teaching experience, school types, and additional qualifications in technology integration with AMOS.

The data, collected from 496 teachers using validated TPACK and UTAUT questionnaires and analyses with SPSS Statistics, reveal that Pedagogical

knowledge, PK; Content knowledge, CK; and Pedagogical content knowledge, PCK have a feeble positive correlation with technology acceptance. At the same time, other TPACK components show a strong positive correlation. Anxiety in the UTAUT model is negatively correlated with TPACK, whereas other factors are positively correlated. Regression analysis reveals significant moderating effects of demographics. Specifically, additional qualifications, a factor many teachers possess, have a moderate positive impact on technological acceptance, while age and type of school show weaker but statistically significant effects.

Gender and teaching experience, as well as other critical demographics, do not have a significant moderation in the relationship between TPACK and technology acceptance. These results, with their practical implications, underscore the importance of enhancing specific TPACK components to improve technology acceptance among teachers. The study recommends tailored professional development programs for technology integration in teaching. The study also coins the varying impacts of demographic factors on technology acceptance, giving fruitful insights for policymakers and educators, which will nurture the use of effective technology in educational paradigms, making this study extremely relevant and applicable.

Keywords: Demographic variables, Higher Secondary School teachers of Kerala, TPACK, UTAUT

Publications:

1. **Mathew, L., & George, L. (2026).** Examining the relationship between acceptance of technology integration and dimensions of TPACK among higher secondary school teachers in Kerala. In *Studies in systems, decision and control* (Vol. 645, pp. 301–312). Springer.<https://link.springer.com/book/10.1007/978-3-032-10016-0>
2. **Mathew, L., & George, L. (2025).** Real-time analysis of technological pedagogical content knowledge (TPACK) and correlation with user technology acceptance (UTAUT) constructs (Indian Patent Application No. 202541074901). Office of the Controller General of Patents, Designs & Trade Marks.<https://ipindiaservices.gov.in/PublicSearch>