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*Educational Research for Resilience:  
Embracing Change and Navigating Challenges*

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**Editing & Formatting:** *Mr. Manju Sri Weerasena*

**Cover page design:** *Mr. H.P.S.G. Gunarathna*

## **The TPACK Competencies and Implementation Practices of Tamil Language Teachers in Digital Environments**

**Asana, M.N.F.<sup>1</sup> & Paunanthie, A.<sup>2</sup>**

<sup>1&2</sup> *Department of Humanities Education, University of Colombo, Sri Lanka*

### **Abstract**

In the contemporary era, Teaching and learning processes integrated with Technology hold a significant position and are bringing about innovative changes in the field of Education. Specifically, the TPACK competencies of Teachers are a crucial factor in determining the quality of language teaching and student engagement. Although the necessity of Digital integration in language Education has increased, it is observed that Tamil language teaching in Sri Lanka remains rooted in traditional teaching methods. This study, therefore, aims to investigate how Tamil language teachers utilise their TPACK knowledge in their teaching and learning processes within a digital environment. Based on the TPACK framework, the relationship between the teachers' technological competence, pedagogical methods, student engagement and achievement level improvement was evaluated. The descriptive survey method and a mixed-methods approach were used to investigate the current status. Data were collected from 55 Tamil language teachers working in the secondary sections of 35 schools, which are categorised as 1AB, 1C, and Type 11 in the Katugastota and Wattegama Education Zones. Data was gathered through structured questionnaires, interviews, and classroom observations and then analyzed using the content analysis method. The main findings of the research revealed that while the majority of teachers have strong content knowledge, they face challenges in integrating Technological and pedagogical expertise. Specific challenges acting as barriers to the holistic implementation of TPACK include a lack of self-confidence among teachers, technological limitations, time constraints, and inadequate training. Furthermore, it was found that learning platforms for experiential learning and digital learning resources have a positive impact on enhancing student engagement, language proficiency, and self-directed learning skills. The study offers essential guidance for educational planning and Teacher Training programs. Additionally, it presents policies and recommendations for elevating the quality of Tamil language teaching in technology-integrated learning environments in the future.

**Keywords:** TPACK, Tamil Language Teaching, Technology Integration, Digital Learning,