World Academy of Science, Engineering and Technology International Journal of Computer and Information Engineering Vol:18, No:01, 2024

## **Factors Affecting Test Automation Stability and Their Solutions**

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**Abstract :** Test automation is a vital requirement of any organization to release products faster to their customers. In most cases, an organization has an approach to developing automation but struggles to maintain it. It results in an increased number of Flaky Tests, reducing return on investments and stakeholders' confidence. Challenges grow in multiple folds when automation is for UI behaviors. This paper describes the approaches taken to identify the root cause of automation instability in an extensive payments application and the best practices to address that using processes, tools, and technologies, resulting in a 75% reduction of effort.

**Keywords:** automation stability, test stability, Flaky Test, test quality, test automation quality **Conference Title:** ICSTM 2024: International Conference on Software Testing and Methods

Conference Location: Bali, Indonesia Conference Dates: January 11-12, 2024