**Proposal Title:** Multi Event, Multi User Tabulation System

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**Abstract:** This study was designed and developed for the cultural office of the Iloilo State University Science and Technology Dingle Campus. Its purpose is to provide a tabulation system that can generate accurate and faster results in different contests with email certifying the judge's presence and participation. The researchers chose to have a developmental method of research for possible expansion of this system based on the needs of the Cultural Office of ISUFST Dingle Campus. The MEMU Tabulation system was subjected to quality evaluation using the Systems and software engineering – Systems and software Quality Requirements and Evaluation (SQuaRE) or known as ISO 25010. In the evaluation process, the researchers considered the responses of 10 identified IT experts and 40 target end users purposely selected from pageant enthusiasts, contest coordinators, faculty, and student participants. The results of the evaluation clearly show that the system is a highly usable quality system with a rating of 4.65.

***Keywords: Multi user, multi events, tabulation system, Automated tabulation system***

**Introduction**

In today's fast-paced world, efficient data management is essential for organizations and governments alike. One of the foundational elements of effective data handling is the tabulation system. It plays a crucial role in organizing and presenting data in a structured and meaningful manner.

Meanwhile, cultural contests represent an integral component of educational enrichment, fostering intellectual growth, competitive spirit, and collaboration among students. These contests provide a platform for individuals to showcase their knowledge, critical thinking abilities, and skills across a diverse range of talents and disciplines.

The field of academic contests has changed dramatically in recent years due to technological advancements. As a result, using technology in academic events improves sustainability, accessibility, communication, efficiency, and efficiency while also encouraging creativity and teamwork within the academic community.

Relying on manual tabulation for events in academia can impede efficiency, accuracy, transparency, scalability, and data analysis capabilities. A major constraint that depicts the use of manual tabulation is time, it requires significant time and effort to collect, record, and calculate event data, such as participant scores or attendance lists. The risk of human errors leads to inaccuracies in data entry, calculation, or transcription. Even small mistakes can have significant consequences, such as incorrect scoring or miscommunication of event details, Impacting the fairness and credibility of the event that the researchers try to address.

The existence of tabulation systems in the digital world is widely known for its single-use events like pageantry, in the study by Shoven M. Afable, & Janice Dyan G. Quiloña. (2020) covers the design, development, and evaluation of the pageant automated tabulation system in the local government unit of Can avid Easter Samar, Philippines. Likewise, the Pageant Tabulation System (PaTas) of Ricardo Vicente P. Navaiza, (2020) is a web-based Application used for the automated tabulation of pageantry. Judges score candidate performance using laptops and results are automatically calculated. The Multi Event Tabulation System can be used in any event, particularly in Cultural contests and pageantry. Where target users will have the option to change criteria depending on the contest names.

Transitioning to an automated tabulation system can help address these challenges, by improving the integrity of academic events. The researchers propose a Multi Event Tabulation system for Academe that can streamline event management processes and enhance the overall effectiveness and impact.

The researcher plans to develop a MEMU: Multi event, multi user tabulation system specifically in the academe stage that can (1) create customize competition with customized criteria, rate contestants, automatically calculate ratings (2) generate ranking results (3) print summary results in PDF, (4) can send Certificates of Appreciation and Appearance of the judges thru registered emails.

**Methodology**

1. **System Development**

The researcher plans to work closely with the target user with the use of a Rapid Application Development Model (RAD) in which specifications will transform into a working MEMU: Tabulation System. The possible way to solve the problem is by going through the planning,, user design, construction, and cut over phases. The logical feature of the system will allow novice users to use the application easily and conveniently. Researchers will take into consideration the interface that is user-friendly and easy to manipulate based on users' feedback. The RAD model is particularly well suited to the MEMU Tabulation System because the requirements are well understood and there is a need for rapid development.

**Fig 1 RAD Model of System Development Process**

**The researcher**

1. **System Evaluation**

III RESULTS AND DISCUSSION

1. System Output
2. System Evaluation Results

IV. CONCLUSION

REFERENCES

AUTHORS PROFILE