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# **ABSTRACT**

This study aimed to design and develop an IOT Based Restaurant Information System with the following features: sensor-based availability for cottages, point of sales, in-house QR code-based ordering, virtual queue for orders, menu listing, and sales and reservation monitoring. The developed system utilized descriptive and developmental methods with the use of a Prototyping developmental model. The system evaluation resulted in a total of fifteen (15) respondents, and a mean score of 1.8 is achieved with a remark of "Strongly Agree" using the PSSUQ questionnaire. An additional set of IT experts, with three (3) respondents, evaluated the system using the ISO 25010 (SQuaRE) evaluation tool. It achieved a mean score of 3.94 with a "Very Highly Acceptable" remark. A user manual is developed to guide end users on properly using the system and its functions. According to the gathered results, the system can help restaurant businesses enhance their work methods and let the customers enjoy the advancement of technology through ordering and reservations. The system is recommended to have more functions especially with the payment method to achieve a satisfactory and improved overall function.

Keywords: IOT, Restaurant, Reservation, Ordering, PSSUQ, ISO 25010 (SQUaRE)

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