THE DEVELOPMENT OF WEB-BASED SCHOLARSHIP APPLICATION SYSTEM FOR THE LOCAL GOVERNMENT UNIT OF CASTILLEJOS

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In Partial Fulfillment of the Requirements for the Degree
Bachelor of Science in Computer Science

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APPROVAL SHEET

The thesis project entitled **"The Development of Web-Based Scholarship Application System for The Local Government Unit of Castillejos"** was prepared and submitted by **Ryan Mercullo, Jaycee Calderon, John Joshua Canilang, and Glenn Mauricio** in partial fulfillment of the course requirements for the degree of **Bachelor of Science in Computer Science** has been examined and recommended for the oral examination.

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ABSTRACT

The global pandemic has posed many challenges not only in the field of education, but also in commercial and educational institutions. To address the pressing problems in applying and submitting requirements for the scholarship without going out because of lockdowns the researchers propose a web-based scholarship system that will able to accept applicants, and receive their documents in more convenient way.

The researchers used an agile approach on developing the system, in which the researchers deemed to be the most suitable methodology to use. In developing the system, the researcher collaborated to iterate and design the system to adapt to the requirements and the suggestions of the panel.

A modified adapted survey questionnaire following the domain of the ISO 25010 Software Quality Standard was used by the researchers to assess the functionality, reliability, usability, efficiency and maintainability of the system. IT Experts and respondents evaluated the proposed system and gained a "Strongly Agree" rating in all the domains under the survey.

Considering the data' summary and the draw conclusions, the researchers recommended, include in the portal how many days that the scholarship applicant will wait to get the email verification, add an option where user can easily change files that been submitted, improve the security of the system, put a scholar identifier in name, Usage of SMS (Short Message Service) as a way to contact the scholars and include transaction history of the scholar.