

**HUMAN RESOURCE DIGITAL RECORD SYSTEM
FOR THE DEPARTMENT OF EDUCATION SORSOGON PROVINCE**

A Project Study Presented to the Faculty of
Master in Information Technology
Aemilianum College Inc.
Rizal St., Piot, West District, Sorsogon City
Sorsogon, Philippines 4700

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This study focused on the development of the Human Resource Digital Record System for the Department of Education, Sorsogon Province, using the Rapid Application Development (RAD) methodology. The system integrated division and school modules to streamline human resource processes, offering functionalities such as job posting, applicant tracking, mailbox communication, and resume management. The Applicant module allowed users to manage profiles, track applications, and communicate through chat and mailbox features, while the Admin module facilitated



job portal management, applicant status control, and statistical monitoring. The system was evaluated using the ISO 25010 software quality model, ensuring adherence to software quality standards.

The findings revealed that the Human Resource Digital Record System significantly improved human resource operations within the Department of Education, Sorsogon Province. The Applicant module enhanced user experience by allowing seamless job application management, while the Admin module optimized system control and monitoring. The evaluation results, with an overall rating of 3.76, indicated high functional suitability, performance efficiency, usability, reliability, compatibility, security, maintainability, and portability, proving the system's effectiveness.

Based on the findings, the study concluded that the developed system effectively streamlined human resource processes, enhanced applicant engagement, and ensured efficient administrative management. The system's adherence to software quality standards validated its reliability and applicability for its intended users.

It was recommended that the Department of Education, Sorsogon Province, continuously monitor and update the system to maintain its effectiveness. Regular reviews of the Applicant and Admin modules were advised to enhance user experience and operational efficiency. Further research should explore the scalability



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of the system to accommodate other departments or regions, ensuring long-term usability and broader implementation.