Acosta, Rose Mae A., Bachiller, Millenco B., Francisco 111, Wilfredo M., Marcelo, Merly A., Molo, Jhon Peter D..Pagayonan Sheila Mae S. "FACULTY TRAINING MANAGEMEHT SYSTEM USING K-MEANS CLUSTERING ALGORITHM". Undergraduate Thesis, Northern Iloilo State University, Estancia,, lloilo. June 2023.

ABSTRACT

The Web-based Faculty Training Management System for NISU Main Campus In Estancia, Iloilo designed and developed as a faculty training management system that uses a predictive algorithm for the head of the office of the College of Information and Computing Studies. The system aimed to Identify and recommend names of faculty to be sent to various seminars, trainings, and workshop based specialization. Furthermore, also on his/her evaluated the performance of the developed system in terms of accessibility and time behavior. The descriptive research and developmental research design were employed in this study. To have firsthand information on the processes at the office, the gathered data through a survey questionnaire that solicited the observation of respondents about the various of the developed system using McCall's Software Evaluation Criteria for Software Quality Model and the ISO/IEC 25010 Software Characteristics. There was a total of 50 respondents, including five experts in the field of information technology, forty students and five NISU employees. The RAD model was used as the Software Development Life Cycle. Additionally, the Mean statistics were used for statistical analysis. The system ran on online platforms, so It may be used in any device requiring an internet data connection. It also needed very little internet data consumption and supplied the user with accurate, real-time information. Findings showed that the developed Web-Based Faculty Training Management System was efficient in terms of operability. The respondents agreed that it was always available, operational, and accessible. Moreover, it has a high level of operability and understandability because the interface designs were simple and user-friendly. Both the Human Resource Officer and the employees agreed that the Web-Based Faculty Training Management System possessed a high level of operability.

Keywords: Predictive Algorithm, Faculty, Web-Based