

Original Objectives:

The main objectives of this study are to develop and implement a comprehensive LMS integrated with learning analytics capabilities to enhance the efficiency and effectiveness of training operations in the Extension Services Office at BatStateU - TNEU - Alangilan Campus.

Specifically, this study aims to:

1. Design and deploy a centralized LMS tailored to the needs of the Extension Services Office, facilitating seamless program management and content delivery.
2. Leverage the astuteness of learning analytics to identify patterns, analyze results and trends to create better data-driven decision making and improvements.
3. Streamline training processes and enhance operational efficiency through the automation of administrative tasks and data-driven decision-making.
 1. Automate enrollment procedures, program scheduling, and progress tracking within the LMS platform, reducing administrative burdens and minimizing delays.

Revised Objectives Of The Study:

The main objectives of this study are to develop and implement a comprehensive LMS integrated with learning analytics capabilities to enhance the efficiency and effectiveness of training operations in the Extension Services Office at BatStateU - TNEU - Alangilan Campus.

Specifically, this study aims to:

1. Develop and implement a **user-friendly** LMS platform, with the goal of increasing program management efficiency by **30% through centralized content delivery and streamlined access to resources**.
2. Utilize learning analytics to track **key metrics** such as student performance and course completion rates, ensuring data-driven improvements to optimize training programs.
3. Automate administrative processes within the LMS, including enrollment, scheduling, and progress tracking, to **reduce administrative workload by 40%**.
 1. Automate enrollment procedures, program scheduling, and progress tracking to streamline operations and improve efficiency.

Our Analysis:

Upon analyzing the current Objectives of the Study, we believe that the main objective and the specific objectives align well with each other. Our specific objectives effectively support the overall goal of developing and implementing a Learning Management System (LMS) integrated with learning analytics to improve training operations at BatStateU - TNEU - Alangilan Campus.

However, after reflecting on our earlier discussion and researching how to design better study objectives, we identified several areas that could be improved. Here's a breakdown of the suggested improvements:

1. Add Measurable Targets

- One area of improvement is the inclusion of measurable targets. While our current objectives outline general goals, it still lacks specific, quantifiable outcomes that would

allow us to gauge the system's success. For example, instead of just "enhance efficiency," we can say "reduce administrative processing time by 40%." Including measurable targets provides a clear way to track progress and evaluate whether the system is meeting the objectives.

2. Clarifying How Learning Analytics Will Be Used

- Our current objectives mention the use of learning analytics but don't explain in enough detail how these insights will be applied to improve decision-making. To improve our second objective, we need to specify what metrics will be tracked (e.g., student performance, and course completion rates) and how this data will help optimize training processes. By doing this, we ensure that learning analytics are not just being collected for the sake of data but are actively contributing to informed, data-driven decisions.

3. Focus on User Experience

- Another key improvement would be to reconsider the focus on user experience. While the technical aspects of developing and deploying the LMS are covered, there is currently no mention of ensuring that the platform is user-friendly. Although we initially included this focus on UI in our objectives, it was recommended to be removed. However, by reintroducing an objective related to testing and refining the user interface, we can emphasize the importance of making the system accessible and easy to use for both staff and trainees, which is critical for successful adoption.

With these adjustments, we believe that we can improve the clarity of our objectives. With added focus on the measurable and quantifiable goals, we can get clearer assessment on the effectiveness of the system.. By incorporating these improvements, we can strengthen the objectives of our study and ensure that Service Academy can effectively meet the needs of Batangas State University- The National Engineering University - Alangilan Campus and contribute to improving the training outcomes of its extension office.