

Desuyo, Honey Fe A., Inventor, Queennie Ann R., Laurencio, Jerlyn R., Puig, Cyril S., Vargas, Rosy Mae P. and Wenceslao, Rhonaida B., **"Announcement System Using Smart TV With SMS Support,"** Unpublished Undergraduate Thesis. Bachelor of Science in Computer Science. Northern Iloilo Polytechnic State College, Estancia Iloilo. March 2019.

ABSTRACT

This study aimed to provide an efficient and easy way of posting announcements at the Institute of Information and Computer Studies, Northern Iloilo Polytechnic State College, Estancia Iloilo. Lost items that were found can be posted thru the announcement system and would then be shown using the output device cum Smart TV strategically located outside the IICS Faculty Room for easy accessibility. Similarly, information on upcoming events is likewise posted for both faculty and students to see. Development research and descriptive research designs were used in the development of the system product and to depict the observation of the respondents based on the implementation criteria defined in the objectives of the study. A total of 105 respondents were surveyed as subjects of the study. The data were gathered through survey questionnaires that primarily solicited feedbacks from respondents using the researchers-made survey instrument. Moreover, the RAD model was used in the development of the system prototype. The Mean statistics was employed to describe the levels of usability and performance efficiency. Findings revealed that in terms understandability, attractiveness of operability that the developed system was described as "Very Good" while its level of performance efficiency in terms of time behaviour and resource utilization was also described as "Very Good". The findings further suggested that the respondents were satisfied by the response time and throughput processes of the developed system.