CCIT LABORATORIES EQUIPMENT AND ASSET MONITORING

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

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CERTIFICATION

This thesis entitled **"CCIT Laboratories Equipment and Asset Monitoring"**, prepared and submitted by **Aurea C. Molo, Jerick M. Razon, Jhon Patrick P. Mallari and Jonathan B. Baladiang,** in partial fulfilment of the requirements for the degree of **Bachelor of Science in Computer Engineering**, has been examined and recommended for Oral examination.

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APPROVAL

Approved by the Panel of Examiners on Oral Examination on March 10, 2020 with the grade of ____.

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ABSTRACT

CCIT Laboratories Equipment and Asset Monitoring is a project that design for the use of asset tracking and monitoring. This project will monitor and uniquely identified assets without a direct line of sight and can notify authorized person if something is stolen or borrowed without proper authorization. Passive type of tag is used. The flexibility and cost-effectiveness of passive RFID tags make it possible to attach or embed them to a wider range of objects or items. The system can alarm or notify the authorized person if an asset lost its track from the reader. The borrower and the items borrowed and the other details will be saved in database for future record. The system can show the list of objects inside of the room and will automatically updated it if its move from one room to another.

The researchers have used the descriptive research method and made used of System Development Life Cycle to construct the program of the study. The project was plotted at the College of Communication and Information Technology. The Dean, Faculty Member and Computer Technician serve as the respondents.

This CCIT Laboratories Equipment and Asset Monitoring was rated as Excellent in terms of its level of product quality considering functional suitability, performance efficiency, reliability, usability, maintainability and portability while rated as High Acceptable in the level of acceptability in terms of its functionality

and ease of use. The evaluation shows that hardware and software components being used was appropriate to the organization of the study.