Central Philippine University
Iloilo City, Philippines

PROPOSED
ENGINEERING COMPUTER LABORATORY EXPANSION
OF CENTRAL PHILIPPINE UNIVERSITY

A Special Problem Paper

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ABSTRACT

The Proposed Engineering Computer Laboratory Expansion of the Central Philippine University will cover the civil, electrical, and network rehabilitation. The project will allow to increase the number of computers inside the laboratory room. The project will utilize the existing laboratory room at En 106 and 107 with the additional space of the hallway at the back of En 107. The expansion will increase the floor area of the laboratory room by 27.85 m^2. The electrical system will be designed to carry the projected load of the laboratory. Additional computer units and accessories and software will also be purchased to upgrade the laboratory room. The tables will also be re-designed to reduce the space used by each unit of the computer to only 0.50-meter working space per user.

The estimated budget of the said project is P 2,916,071.00 with the available prices subject to change. This will cover all the construction, renovation, and installation of structures and equipment inside the expanded laboratory room. This will also include the budget for the software licenses to be procured.

The estimated time of completion of the project is about 8 weeks. For the civil works, it would take 4 weeks to construct all the structures and setup the tables. The electrical works will take 4 weeks to be completed. Networking which will include the cabling and installation of servers will take about 8 weeks. Works will be done simultaneously or as soon as the prerequisite structure has been set.

At the end of this project, it is expected that the problem of computer availability for the engineering students will be minimized if not solved.