

DEVELOPMENT PLAN OF LUMAMPONG NATIONAL HIGH SCHOOL

Undergraduate Project Design
Submitted to the Faculty of the
College of Engineering and Information Technology
Cavite State University
Indang, Cavite

In partial fulfillment
of the requirements for the degree
Bachelor of Science in Civil Engineering

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ABSTRACT

DE JUAN, ROMCY R. and GALOTOS, JULLY ANN A. Development Plan of Lumampong National High School. Undergraduate Project Design. Bachelor of Science in Civil Engineering. Cavite State University, Indang, Cavite. March 2013. Adviser: Engr. Cene M. Bago.

The Development Plan of Lumampong National High School was conducted from June 2012 to March 2013 at Lumampong National High School.

The study addressed the need of the students to additional facilities such as: architectural design, structural design, electrical and plumbing layout, cost estimate excluding the electrical and plumbing layout of the Three-Storey Industrial Building; architectural design of the Three-Storey Classroom Building; canal and drainage layout, fence, lighting and water supply layout of the whole area of Lumampong National High School. The estimated cost for Three-Storey Industrial Building was Php 12, 347,109.73.

All specifications needed were followed in the design process. Detailed analysis of the design was proven safe and economical after the manual computation of the design.