

**DEVELOPMENT PLAN OF ATI REGION IV COMPLEX  
AT TRECE MARTIRES CITY**

*Design Project*

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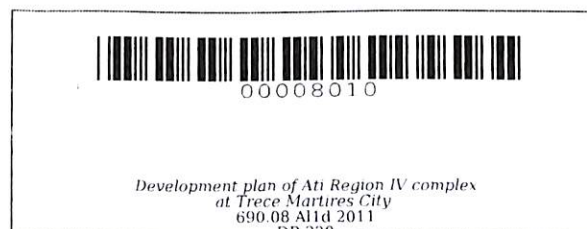
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**DEVELOPMENT PLAN OF ATI REGION IV COMPLEX  
AT TRECE MARTIRES CITY**

An Undergraduate Design Project  
Submitted to the Faculty of the  
Cavite State University  
Indang, Cavite

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



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## ABSTRACT

**ALANO, JOYCEL C. and GRUESO, MARY ROSE A. Development Plan of ATI Region IV Complex at Trece Martires City.** Bachelor of Science in Civil Engineering. Cavite State University, Indang, Cavite. April 2011. Adviser: Engr. Renato B. Cubilla.

The development plan of ATI Region IV Complex at Trece Martires City was conducted from June 2010 to February 2011 at Cavite State University, Indang, Cavite.

The study addressed the need of the Agricultural Training Institute of having a physical development plan. This study involved two major parts: the site development plan and the structural design of the proposed dormitory inside the ATI Complex.

The study included the site development plan, design of structural members and cost estimate.

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.

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# **DEVELOPMENT PLAN OF ATI REGION IV COMPLEX AT TRECE MARTIRES CITY<sup>1/</sup>**

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<sup>1/</sup>An undergraduate design project submitted to the faculty of the Department of Civil Engineering, College of Engineering and Information Technology, Cavite State University, Indang, Cavite, in partial fulfillment of the requirements for the degree of Bachelor of Science in Civil Engineering with Contribution No. \_\_\_\_\_. Prepared under the supervision of Engr. Renato B. Cubilla.

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## **INTRODUCTION**

Planning and design occur as a process, by which a logical sequence of actions or events that must be carried out to arrive at a viable solution must be followed. It is a multi-disciplinary problem-solving operation often involving architects, landscape architects and engineers, and frequently may require input from physical scientists as well to address environmental issues. It requires a logical objectivity for some steps, but also allows room for subjective design interpretation at others.

The Agricultural Training Institute (ATI) is the training arm of Department of Agriculture (DA) located at Trece Martires City, Cavite. It mobilizes collective efforts through human resources development and creates appropriate structures for their viability focused to fundamental farm family focused, community based and farm and home management oriented agricultural and rural development.