

## *Set Up a Bridge Between the Classroom and the Real World*

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### **Abstract**

The research project will be named as “Set up a Bridge between the Classroom and the Real World”. This plan integrates the realities and theories of service learning, training methods and curricula, interdisciplinary research results in Industry-university cooperation, betterness education, and social expectations to create a new pedagogical praxis research platform. For the new generation with a fierce competition, how to enhance the ability to survive is an important issue in the future. There are seven competitiveness factors of communication skills, problem-solving ability, planning ability, information analysis ability, ambition, time management ability and leadership. Participating students can increase the professional skills through actual participation in the service learning process in the future world. Through service learning of activities enhance children knowledge and information technology applications of life in rural primary school. Service learning emphasizes the concept of "learning" combined with "service", and enhances each of these skills with professional coaching and curriculum design, service learning projects, and specialized studies. In the service learning process, different job attributes can train different abilities. Training and review of results will be conducted through various mechanisms and rotation of works. The researchers will observe whether there is a difference in the ability of seven aspects through these processes. Before doing project, the learner will be asked to fill in a competency analysis questionnaire. The learners need to fill in the working log in service process. After the service is completed, the learners will fill in the service experience and questionnaire. The final data will be analyzed by one-way multivariate analysis of variance (MANOVA).

Keywords: pedagogical praxis, service learning, technical and vocational education, rural, Information and technology applied in life

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## **Introduction**

Today, many scholars agreed with that the skills taught by schools are not sufficient for college graduates to work on an increasingly-changing and challenging workplace. Then how to strengthen students' ability to thrive in the future world becomes an important issue in higher education. This study proposes restructuring the educational goal using the principles and practices used by successful businesses to enhance student learning and ability. Seven New Generation Basic Skills are proposed: (1) the ability to communicate effectively with others both orally and in writing; (2) the ability to plan a new project; (3) the ability to solve problems; (4) the ability to read and analyze information; (5) the ability to manage one's time; (6) the ability to lead a group; (7) the ability to work in groups with persons of different backgrounds. The conclusion of this study can be used both by researchers to guide their investigation of student development—and by college administrators and faculty—to help them design more effective curriculum and learning environments in higher education.

## ***Research Motivation***

For the new generation with a fierce competition, how to enhance the ability to survive is an important issue in the future. Many things are not taught at school.

## **Literature Review**

Govekar and Rishi (2007) claimed that Service-Learning is an educational approach that combines community service projects with credit-bearing educational experience.

## **Methodology**

This section describes the methodology that will be used in this research. It includes the research model, description of the sample, instrument, and the statistical procedures.

## Research Model

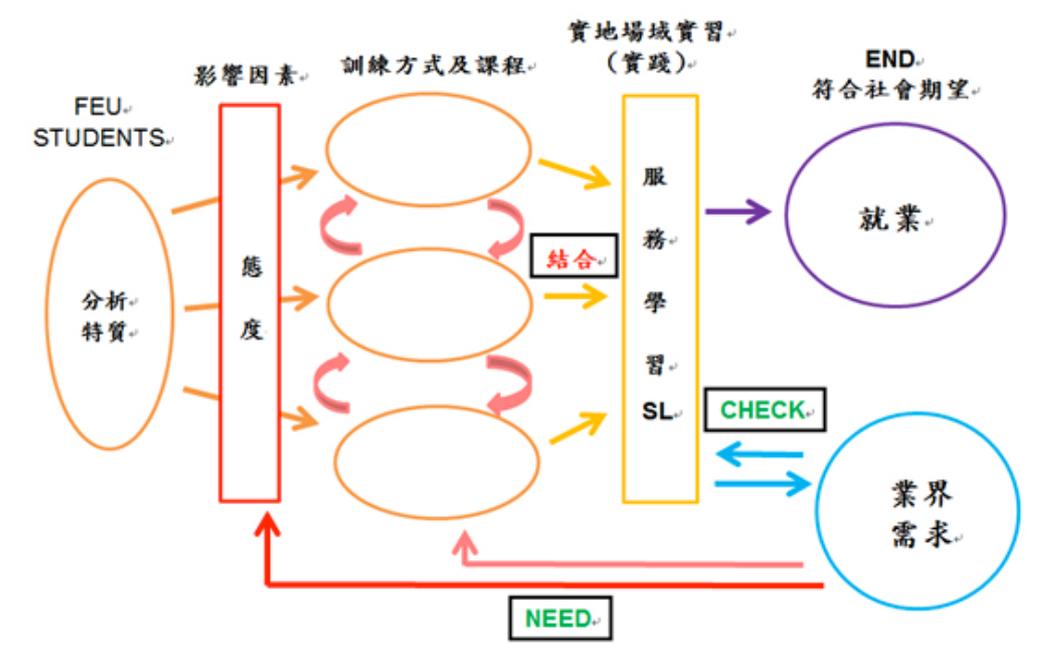


Figure 1: Research Model

## Instrument

- Before doing project, the learner will be asked to fill in a competency analysis questionnaire.
- The learners need to fill in the working log in service process.
- After the service is completed, the learners will fill in the service experience and questionnaire.

## Research Area

- A rural area elementary school in the Southern of Taiwan
- Information and Computer Winter Camp

## Data Analysis

The final data will be analyzed by one-way multivariate analysis of variance (MANOVA).

## Collecting Data

The researcher will collect data in winter vacation 2019.

## **References**

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