



Field Trips & Project Base Learning: Innovative projects built by students and company

Prachid Saramolee
Petrochemical and Polymer, School of Engineering and Technology

Overview

The polymer course shows you how material selection, compounding and processing influence end product properties. It provides an introduction to rubber materials and their properties. It covers the fundamental aspects of rubber technology from material selection, compounding, vulcanization, processing, through to mechanical properties, environmental resistance, testing and specifications and evaluation of product failure. These of all are the integrated learning by using senior projects. The most of research topics may be setting in-house university which can not meet with the company needs.

Aim and Objectives

- To create / develop the new innovative projects.
- To collaborate the company and student learning.

Activity

Field trips were used to communicate with companies.

We have done to observe the needs or problems from companies. The students can work with person from company. They can learn and exchange knowledge together.

Outcome

Student can integrate the knowledge to solve problems and develop new innovations for the company needs.

Impact

The project topics from the company are increasing which can solve the problems and create more innovation for the company.

Future development

- Consideration of the evaluations from companies or stakeholder.
- Improvement the course following the feedback from students.



Field Trips

Research Topic

Research Experiment

Reference

Lih, J. and Chan, L. 2008. Technology integration applied to project-based learning in science. *Innovations in Education and Teaching International*. 45-1, 55-65.