



Applied Research in Project Management Subject Teaching

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ABSTRACT

The importance of research application in degree level teaching has been outlined in this paper. The paper shows the new planning model is being taught in the project management subject. The new model has been developed as research previously undertaken in University of Auckland. The model is particularly useful in large information system covering the production organizational types. New planning model has been presented in teaching to give students wider perspective of the methods and tools used for the particular planning problems.

1. Introduction

The paper covers the issue of the research role in degree teaching. The particular interest is in the area of Project Management teaching. The project management area in our national and most international teaching has been based on the most common techniques: Gantt chart and network diagrams. The teaching of network diagrams is mostly based on usage of one particular tool, such as Microsoft Project or similar. New research has shown that are new models are applied and used for a lot of projects (particularly large one) in very different areas including information system projects. New planning model has been presented in project management teaching to give our students wider perspective of the methods and tools used for the particular planning problems.

2. The Information System Planning Module

The planning problem is usually very complex in the production information project type. There are a large number of methods for solving separate types of planning and scheduling: line Gantt diagrams and network planning techniques which are used for project management and assembly planning and production scheduling. A planning module which fulfils most of the requirements for planning and scheduling for the given type of information systems would connect three levels of planning:

- ◆ Basic plan elaboration - Level 1 (plan for offer, plan for design, construction plan, overhaul plan)
- ◆ Planning after checking available resources - Level 2 (distribution of the main activities in advance)
- ◆ Production scheduling - Level 3

3. Conclusion

The model has shown the other aspect of problem solving in information systems project management area and has taught our students to approach the problem with understanding of the variety of the solutions in our working environment, and the understanding of the criterion and the model applications.