



KNOWLEDGE MANAGEMENT AMONG BUILDING CONTRACTOR

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ABSTRACT

Knowledge Management was a complex tool, able to produce potentially significant result (profit) used existed knowledge and intellectual capital. The purposes of this research were to investigate the basic knowledge of building construction project among building and to identify the most popular knowledge management that building contractor practices. Questionnaires were used for the collection of data for this final project. The respondents in this study were the building contractors in Kuantan, Pahang. These contractors were taken as the respondents to gather the relevant data and information for this research. Subsequently, seventy-three (73) questionnaires were distributed to all respondents through email and personal distributions. It was found that construction technology is the basic knowledge and the most popular that implemented by the building contractors. It was concluded that building contractors need to gain the knowledge about construction technology information to get the project successfully achieve the objectives and reach the condition of a learning organization several critical elements that need to be overcome.

INTRODUCTION

Basic knowledge was becoming one of the critical driving forces for construction success. It was the one sure sourced of lasting competitive advantages. The building contractor would become more knowledge intensive and the needs for leveraged the value of knowledge were increased. The role of effective management of knowledge is evident in improved innovation, reducing project time, improved quality and customer satisfaction. The failure to capture and transfer project knowledge leads to the increased risk of reinvented the wheel, wasted activity, and impaired project performance.

PROBLEM STATEMENT

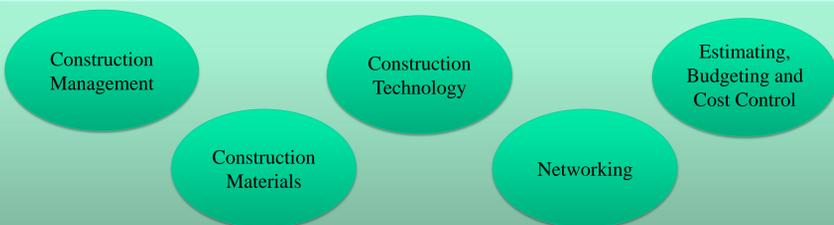
- Basic knowledge has become one of the critical driving forces for construction success. It is the one sure source of lasting competitive advantages (Nonaka and Takeuchi, 1995).
- The role of effective management of knowledge is evident in improving innovation, reducing project time, improving quality and customer satisfaction (Kamara et al., 2002; Love et al., 2003).

OBJECTIVES

The objectives of the research are:

- To investigate the basic knowledge in building construction project among building contractor
- To identify the most popular knowledge management that building contractor practices.

FRAMEWORK



RESEARCH QUESTION

The research questions are:

- What are the basic knowledge that needed by the building contractor for doing a project?
- What are the most popular knowledge management practices by building contractor?

METHODS

- Questionnaires
- Email
- Personal distribution
- SPSS Version 22
- Descriptive analysis

CONCLUSION

In conclusion, the objective of the research was achieved. Construction technology was the basic knowledge and the most popular that implemented by the building contractors. Building contractor need to gain the knowledge about construction technology information to get the project successfully achieve the objectives.

RESULTS

1) Summary finding for basic knowledge among building contractor

Section B	Basic Knowledge among Building Contractors	Mean	Ranked
1	Construction Management	4.22	5
2	Construction Materials	4.33	2
3	Construction Technology	4.37	1
4	Networking	4.21	6
5	Estimating, Budgeting and Cost Control	4.33	3
6	Procurement System	4.25	4
TOTAL MEAN		25.71	
AVERAGE MEAN		4.29	

2) Summary finding for most popular knowledge management that building contractor practices

Section B	Most Popular Knowledge Practices among Building Contractor	Mean	Ranked
1	Construction Management	4.32	2
2	Construction Materials	4.26	4
3	Construction Technology	4.34	1
4	Networking	4.27	3
5	Estimating, Budgeting and Cost Control	4.25	5
6	Procurement System	4.16	6
TOTAL MEAN		25.60	
AVERAGE MEAN		4.27	

Cronbach's Alpha	N of Items
0.822	36

The cronbach's Alpha for the items are 0.822, note that a cronbach's Alpha of 0.70 or higher is considered "acceptable" in most social science research situation. Its mean that the scale has a consistency or reliabilities as a measurement tool (Hair et al., 2006)

RECOMMENDATION

- Have a good insight into this knowledge gap
- Advances in technology and
- Development in the field of IT
- Identified the needs of the construction and scope involved and appropriate technologies
- Find and introduce materials for green construction