SUMMARY

Due to the recent developments in the management of construction projects with the aid of Information Technology, much attention is being given to "RISK ANALYSIS" under the vast field of "OPERATION RESEARCH".

In Singapore the number of school construction projects are increasing year by year. It is more practical to analyse the risks involved in the school projects in order to guide the contractors who are interested to bid for school projects.

For this dissertation a model and example construction programme has been developed for a school project using the Critical Path Method with the help of Microsoft Project software. This construction programme will be helpful to the Project Managers to analyse the effect of risks involved in the respective areas, by incorporating the time for each and every activity.

In this dissertation the problems faced by Contractors for the projects completed have been identified and discussed with particular emphasis on the time factor. A number of completed projects have been chosen for study and for discussion, and the respective Project Managers were interviewed with questionnaire survey to identify the problems faced by them.

Detailed and thorough discussions have been given while analysing the risks with the help of the model construction programme. From the responses of the questionnaire survey the problems faced by them were identified. The identified risks would be analysed with the help of model programme to have better understanding of the effect of the risk.
In conclusion, dissertation gives suggestions to Ministry of Education, Public Works
Department (PWD) and to the Contractors, and offers recommendations to pursue further
in depth study and to include more considerations.