



Review of Master thesis

Students name: Nagarajan Murugan
Name of the thesis: Deasign of restoration information system
Thesis supervisor: Ing. František Koblasa, Ph.D., Ing.Paed.IGIP
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Aspects of the thesis	Level			
	Excellent	Very good	Good	Unsatisfactory
Fulfilling scope of thesis		X		
Professional level of the work		X		
Applicability in practice		X		
Use of the gained knowledge		X		
Initiative to solve problems		X		
Conceptual approach	X			
Level of the language and format		X		

The goal of this thesis was to create software architecture of Restoration Information system for Technical Museum in Liberec (TML).

Theoretical part is divided in two key areas. The first focuses on classification of the information systems, where author describes common approaches of technical preparation, manufacturing management and enterprise planning. The second part is then focused on used tools in system architecture part.

Practical part starts with defining requirements on the information system; however analysis of current state of planning methods and internal processes is very shallow. Major focus is then put on defining information system process flow by process diagrams, UML class diagrams and data transfers. Thesis is also taking in account contract calculation; however it is focusing only on machining operation and not on usual expenses as material, human resources etc.

Contract management and data visualisation is also taken in account. Practical part is closed with budget schedule which is rare in this field of expertise.

Thesis is written in clear language, pictures are readable taking in account complexity of diagrams, literature sources are adequate, however in some cases are not following citation standards [2,14-16, 18, 21 and 22] as it is not mentioning when source was accessed.

Author discussed formal and professional content regularly.

Generally, work fulfils standardized requirements and it is recommended for defence.





Additional questions:

- At page 59, you are talking about product configurator to customize-personalize product. Describe its possible use in TML restoration projects.
- At page 60, you are describing material requirement planning system based on keeping defined level of supplies before knowing order and booking them while there is actual demand. Why have you selected mentioned approach? Please describe in detail how do you expect material planning in TML should work.
- At page 69, you are mentioning use of scheduling algorithms, which algorithm you suggest to be implemented in the case of TML.

Overall level of thesis (mark): **very good**

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Ing. František Koblasa, Ph.D., Ing.Paed.IGIP

