

I. IDENTIFICATION DATA

Thesis title:	Image-Based 3D Reconstruction of Museum Artifact
Author's name:	Tomáš Fiala
Type of thesis :	master
Faculty/Institute:	Faculty of Electrical Engineering (FEE)
Department:	Dept. of Cybernetics
Thesis reviewer:	Ing. Vladimír Smutný, PhD.
Reviewer's department:	CIIRC CTU

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	challenging
<i>How demanding was the assigned project?</i>	
The assignment required the student to cope with many facets of engineering work, starting from physical setup of the experiment, using a large collection of third party SW and evaluation of the resulting data by student written SW.	

Fulfilment of assignment	fulfilled
<i>How well does the thesis fulfil the assigned task? Have the primary goals been achieved? Which assigned tasks have been incompletely covered, and which parts of the thesis are overextended? Justify your answer.</i>	
The assignment was fully covered in the thesis.	

Activity and independence when creating final thesis	A - excellent.
<i>Assess whether the student had a positive approach, whether the time limits were met, whether the conception was regularly consulted and whether the student was well prepared for the consultations. Assess the student's ability to work independently.</i>	
The student is very active and responsible. Communication with him is a real pleasure. His proposals for solving issues are competent. He is also very independent, but he likes to consult the future steps. He is one of the most communicative students I have ever met.	

Technical level	A - excellent.
<i>Is the thesis technically sound? How well did the student employ expertise in his/her field of study? Does the student explain clearly what he/she has done?</i>	
The student is competent in his job. He uses efficiently the obtained knowledge.	

Formal level and language level, scope of thesis	A - excellent.
<i>Are formalisms and notations used properly? Is the thesis organized in a logical way? Is the thesis sufficiently extensive? Is the thesis well-presented? Is the language clear and understandable? Is the English satisfactory?</i>	
The typography and formalism is on the high level. The thesis is well organized and presented. The student tends to concise text written by skilled English.	

Selection of sources, citation correctness	A - excellent.
<i>Does the thesis make adequate reference to earlier work on the topic? Was the selection of sources adequate? Is the student's original work clearly distinguished from earlier work in the field? Do the bibliographic citations meet the standards?</i>	
The thesis cites a large number of sources. The state-of-the-art part is rather broad than deep. The citations meet corresponding standards. The work of Mr. Fiala is clearly separated from the earlier work.	

Additional commentary and evaluation (optional)
<i>Comment on the overall quality of the thesis, its novelty and its impact on the field, its strengths and weaknesses, the utility of the solution that is presented, the theoretical/formal level, the student's skillfulness, etc.</i>



The work with Mr. Fiala is very pleasing. He communicates well, he is able to solve technical problems, he is able to sufficiently analyze the task from a higher perspective. He is enthusiastic in technology.

III. OVERALL EVALUATION, QUESTIONS FOR THE PRESENTATION AND DEFENSE OF THE THESIS, SUGGESTED GRADE

Summarize your opinion on the thesis and explain your final grading.

I was not the person who defined the research topic of his scholarship at Tokio University of Agriculture and Technology, but it fits into my and student interests. We decided to extend this topic to the diploma thesis. Mr. Fiala proved his ability to deal with the engineering problems in the field of computer vision.

The grade that I award for the thesis is **A - excellent**.

Date: **10.1.2025**

Signature: