

# CZECH UNIVERSITY OF LIFE SCIENCES PRAGUE

Faculty of Economics and Management

## Evaluation of the Diploma Thesis by Opponent

Thesis Title **Design of a smart baby cradle prototype: A case of the traditional Uzbek Beshik cradle**

Name of the student **Bc. Tokhirjon Sirojiddinov, BSc**

Thesis supervisor **Ing. Miloš Ulman, Ph.D.**

Department **Department of Information Technologies**

Opponent **Ing. Vít Bareš**

Institution **Broaddy s.r.o.**

Position **Software Architect**

Evidence of a logical process being used	<input type="checkbox"/> 1	<input checked="" type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
The structure of paragraphs and chapters	<input type="checkbox"/> 1	<input checked="" type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
Formal presentation of the work, the overall impression	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input checked="" type="checkbox"/> 3	<input type="checkbox"/> 4
Formulation of objectives	<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
Choice of appropriate methods and methodology used	<input type="checkbox"/> 1	<input checked="" type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
Professional contribution of the work and its practical usage	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input checked="" type="checkbox"/> 3	<input type="checkbox"/> 4
Work with data and information	<input type="checkbox"/> 1	<input checked="" type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
Work with scientific literature (quotations, norms)	<input type="checkbox"/> 1	<input checked="" type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
Clarity and professionalism of expression in the thesis	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input checked="" type="checkbox"/> 3	<input type="checkbox"/> 4
Summary and key-words comply with the content of thesis	<input type="checkbox"/> 1	<input checked="" type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
Fulfillment of objectives	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input checked="" type="checkbox"/> 3	<input type="checkbox"/> 4
Thesis topic and thesis significance (relevance)	<input type="checkbox"/> 1	<input checked="" type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
Theoretical background of an author	<input type="checkbox"/> 1	<input checked="" type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
Comprehensibility of the text and level of language	<input type="checkbox"/> 1	<input checked="" type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
Formulation of conclusions	<input type="checkbox"/> 1	<input checked="" type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
Evaluation of the work by grade (1, 2, 3, 4)				<b>2</b>

Evaluation: 1 = the best

Date 27/04/2023

*el. signed by* Ing. Vít Bareš on 27/04/2023 17:05  
Signature of Opponent

**Other comments or suggestions:**

This diploma thesis topic and objectives are well formulated. In the theoretical part author briefly describes the history of Uzbek Beshik (cradle), however relevancy for the rest of the work is questionable. Next topic is the overview of current mobile application development in relation to the Internet of Things concept with examples from previous attempts of building similar project.

In the practical part author fulfills the main goal. Basic design of the cradle and the mobile app is presented including screenshots from development environment and from the graphical tool. The reasoning behind this design is also presented and is relevant to the outcomes.

However this thesis has many stylistic mistakes – duplicated paragraphs, confusing sentences and incoherent "I" versus "Author" addressing.

Some of the author's statements also lack evidence or relevant source.

Analysis of the user requirements is oversimplified and there are no details about the mobile app development itself.

Despite the overall lower quality of the work, it addresses interesting topic and the main goals are fulfilled, therefore I recommend it for the final defense.

**Questions for thesis defence:**

In your work you mention improving safety of the infant many times. Which safety features of your design would you highlight as improvement when compared to other solutions.

Which technology did you use to build the mobile app for Android and iOS and why?

What will happen in case the cradle loses connection to the internet and/or to the IoT server? Are there some safety features related to this scenario?

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