

Thesis Reviewer's Report

Student: John Ayobami Mokidi
 Title: Design a new library management system based on past experiences with the libraries in Nigeria
 Supervisor: Jech Jakub, Ing. Ph.D.
 Reviewer: Komárková Jitka, prof. Ing. Ph.D.
 Reviewer's job title: professor, Institute of Systems Engineering and Informatics, University of Pardubice

Assessment criteria

	excellent	very good	acceptable	unacceptable	N/A
Achievement of the aims of the thesis	x	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Use of appropriate methods	x	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Depth of analysis (in relation to the topic)	x	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Structure and extent of the thesis	x	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Use of Czech and foreign sources (including references)	x	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Formal aspects (text, diagrams, charts)	x	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Quality of language (style, grammar, terminology)	x	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Usability of the results

	high	medium	low	N/A
In theory	<input type="checkbox"/>	x	<input type="checkbox"/>	<input type="checkbox"/>
In practice	x	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other comments

The aim of the thesis was to develop and implement a web-based Library Management System (LMS), transitioning from a manual to an automated system to improve operational efficiency, enhance user experience, and streamline resource management.

The thesis represents a comprehensive piece of work focusing on the automation of work in the library. The author successfully conducted a detailed analysis, specified system requirements, and proceeded to design and implement the proposed solution.

The author used appropriate methods and systematic approaches. He fulfilled the given aim at a very high level of quality.

The thesis is a well-conceived work that demonstrates solid technical capabilities and a good understanding of systems engineering and informatics in a real-world context. The proposed LMS is well-documented visually and methodologically.

The thesis is well-organized and clearly written. Only minor grammatical and typographical errors can be found, which do not detract from the overall quality of the work.

Questions and suggestions for the defence

1. What practices would you recommend to ensure system reliability, minimize downtime, and support efficient maintenance and updates?
2. How could role-based access control be implemented to ensure that different user types (e.g., students, staff, librarians) are granted appropriate system permissions?

Overall evaluation

I **recommend** the thesis for defence.
The proposed grade for the thesis: A

In Pardubice on 20.5.2025

Signature: Jitka Komárková, b.o.h.