

CZECH UNIVERSITY OF LIFE SCIENCES PRAGUE

Faculty of Economics and Management

Evaluation of the Diploma Thesis by supervisor

Thesis Title **Artificial Intelligence methods for decision making**

Name of the student **Gaurav Keshavkumar Patel**

Thesis supervisor **doc. Ing. Arnošt Veselý, CSc.**

Department **Department of Information Engineering**

Formulation of objectives	<input type="checkbox"/> 1	<input checked="" 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
Logical process being used, work with data and information	<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
The structure of paragraphs and chapters	<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
Comprehensibility of the text and level of language	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input checked="" type="checkbox"/> 3	<input type="checkbox"/> 4
Clarity and professionalism of expression in the work	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input checked="" type="checkbox"/> 3	<input type="checkbox"/> 4
Formal presentation of the work, the overall impression	<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
Formulation of conclusions	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input checked="" 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
Summary and key-words comply with the content the thesis	<input type="checkbox"/> 1	<input checked="" type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4
Author's stance and approach to the addressed problems	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input checked="" type="checkbox"/> 3	<input type="checkbox"/> 4
Author's co-operation with supervisor and department	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input checked="" type="checkbox"/> 3	<input type="checkbox"/> 4
Evaluation of the work by grade (1, 2, 3, 4)				3

Evaluation: 1 = the best

Date 10/01/2022

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Other comments or suggestions:

The student in the theoretical part provides an overview of methods that are used to support decision-making. Although this section refers to many publications, it is written confusingly and incomprehensibly. Furthermore, the student had to choose a decision problem for which data are freely available, design a method for its solution and implement the selected method in freely available software. He chose the prediction of the development of the Indian stock market and the prediction method from the field of deep learning (LSTM method). Unfortunately, it is not clear from the submitted work whether the student managed to implement the chosen method correctly. The student did not present the executable code of the program with which he implemented the chosen method, although due to the implementation of the method in Python and Keras, this code would be about two pages long. In addition, the graphs he presents, which are intended to contain the results of the implementation, are not explained in the text, nor is it clear whether they are graphs obtained by the student himself or taken from somewhere.

I recommend the student's diploma theses to be recognized only if he will be able to convincingly prove that he has implemented the chosen prediction method and that he obtained the results he states in his work.



Plagiarism control: The system Theses.cz has not assessed the thesis as suspicious.

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