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Joint master program
Artificial Intelligence and Data Science
Deggendorf Institute of Technology and
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Your letter of

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Date

Deggendorf,
September 6, 2023

Master thesis evaluation

Dear exam committee,

I am pleased to provide an evaluation of the master's thesis titled "Enhancing Vehicle Interior Action Recognition using Contrastive Self-Supervised Learning with 3D Human Skeleton Representations" submitted by Yasser El Bachiri as a part of the joint Master degree program in Artificial Intelligence and Data Science at Deggendorf Institute of Technology and the University of South Bohemia.

The thesis explores a significant topic within the field of self-supervised machine learning. Mr. El Bachiri demonstrated a solid understanding of the topic, as evidenced by the comprehensive literature review and well-defined research objectives. The research question addresses a current gap in the existing body of knowledge.

The methodology employed in this study is appropriate for the research goals and is meticulously applied. Mr. El Bachiri adapted recent advances in video processing to process 3D skeleton data and perform action recognition. He evaluated two novel self-learning models on two different data sets. With this thesis, he showcases a strong grasp of analysis techniques, skillfully interpreting the findings in relation to the research question.

The organization of the thesis is coherent and facilitates a logical progression of ideas. The thesis is well written and presented professionally presented.

Due to the contributions made by Mr. El Bachiri to the field of self-supervised learning, I recommend awarding the master's thesis a grade of '1,3'. The work demonstrates intellectual rigor, originality, and scholarly maturity.

Sincerely,

Prof. Dr. Florian Wahl

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