

Supervisor assessment of Bachelor's Thesis

Student: Zembjaková Martina

Title: Futuristic Aircraft Cockpit Design (id 20746)

Supervisor: Chudý Peter, doc. Ing., Ph.D. MBA, UPGM FIT VUT

1. Assignment comments

The investigated topic represents a complex task with the effort evenly distributed between futuristic cockpit design and its seamless integration into a large aircraft flight simulator. Beyond the scope of the original assignment, but driven by the ambition to propose a flight deck layout for future Single Pilot Operation concept, the author has directed her effort into a novel holographic visualization design, which she for the reasons of convenience integrated into a virtual reality environment of the flight simulator laboratory at FIT. The author has successfully delivered a thesis which exceeds the originally defined requirements.

2. Literature usage

The author worked successfully with a scope of references, all of which were content-wise related to the topic of the thesis. The author performed a careful research on futuristic aircraft cockpit design. The author has mastered the utilization of published resources and along with her individual contributions successfully designed and implemented a futuristic aircraft cockpit layout.

3. Assignment activity, consultation, communication

The author's enthusiastic work attitude resulted into a high level of commitment in achieving excellent results. The author attended the scheduled meetings regularly and was well prepared. She meaningfully contributed to the meeting discussions and was subsequently able to draw individual conclusions and transforming them into an operational concept. Communication with the author was professional, conclusive and punctual.

4. Assignment finalisation

The implementation part as well as the text part of the thesis have been finished in advance of the deadline and the content has been thoroughly examined. Minor modifications originating from meeting discussions and periodic reviews have been included into the thesis.

5. Publications, awards

NIL

6. Total assessment

excellent (A)

The author's commitment and motivation were at high levels throughout her entire work on the thesis. The accomplished results contribute to the overall fidelity of the designed and implemented futuristic aircraft cockpit layout for Single Pilot Operation concept. The design itself has been successfully tested in a series of evaluation runs at FIT's large aircraft flight simulator laboratory. The amount of demonstrated knowledge and dedication needed for a successful accomplishment of the thesis were beyond the usual expectations. I recommend the thesis for defense. Suggested grade as based on the above mentioned: **Excellent (A)**.

In Brno 1. June 2018

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