Supervisor's Opinion on the Doctoral Thesis

Doctoral student's name(s) and surname	**Naveed Anwar**	
Degree programme	**P 8206 Visual Arts**	
Degree course	**8206V102 Multimedia and Design**	
Mode of study	**Full-time Acad. Year**	**2016/2017**
Thesis Title	**An Investigation into Shoe Style for Prevention of Heel Pain**	
Supervisor	**Doc. MgA. Petr Stanický M.F.A.**	

The subject of the doctoral thesis *An Investigation into Shoe Style for Prevention of Heel Pain* submitted by MgA. Ing. Naveed Anwar is, as its name suggests, the issue of suitable footwear design and material to help heel pain prevention. No matter how many scientific studies and publications focus on research in this field, it still remains relevant today, as it concerns both medical and footwear phenomena in which negative processes can be observed due to increasing number of people wearing poor-quality and ill-designed footwear. In this respect, I assess this thesis as highly important, particularly with respect to the environment of origin of the research student as well as the target environment where the results of research can potentially be applied.

We should mention here Naveed Anwar's preceding professional carrier that became impetus for him to implement research and that attracted him to doctoral studies at TBU in Zlin. Since its very beginning, whether during his studies in native Pakistan and Great Britain or later as part of his professional employment at the firm Bata, his carrier has specifically been targeted at footwear design, modelling and branding. His choice of issues and his current progress stems from strong focusing on the field of footwear design and modelling. It is characteristic of Naveed Anwar that he tries hard in his work to get acquainted with current trends, to examine and analyse them. For the whole period of his studies at the Faculty of Multimedia Communications at TBU, Naveed Anwar, as a research student, also tends to use new innovative materials. It must be noted here, that Anwar's preoccupation and a broad field of interests can be seen in a broad choice of bibliography used for the thesis, but his choice does not always correspond with the selected topic and pursued issues.

In the introduction to his work Anwar examines and analyses different research methods related to the role of design with regard to anatomical and mechanical functions of a foot in movement. He describes historical background and development of applied technologies and trends. Author's abstract is too wide-ranging going into details that are redundant, e.g. enumerating used tools, etc. In some passages there are excessive duplications to emphasise

facts that are evident from the previous context. However, the work is well structured in an effort to make it clear. It must be said that some chapters include subjective evaluation of research carried out by other authors which is not the goal of the thesis and can lead to misinterpretation. I leave this fact up to an expert debate.

In general, the work proves Anwar's ability to monitor and study relevant literature for the following research, to take part in expert seminars and present new development of technologies. The specialist and creative synthesis is evident from the whole authentic research. His research and practical design work shows significant progress both thanks to study stays and internships abroad and thanks to his pro-active involvement and enthusiasm.

During the study several digital pressure measurements of human feet have been carried out for the purposes of research. However, only few results have been described in the submitted thesis. I suggest the research student to get back to these measurements since they may lead to interesting footwear prototypes and new design of insoles designed directly on the basis of pressure measurements of human feet, mainly in disadvantaged groups of population. It is disappointing that the study has not been reflected in the thesis and has not been more elaborated. I suppose that some of the measurements of feet, pressure and foot deviations are not sufficiently evaluated.

Although the final practical output has also gradually evolved in the recent two years, it is not evident from the work itself. The questionnaire dealing with issues of fashion style, colour, etc. had strong impact on forming final footwear design by the author as the result differs from the original sports footwear. The final model more closely resembles to open-heel footwear that can affect the stability of a heel, an issue which is dealt with in this thesis, which is a factor that may be subject to a constructive debate.

Moreover, the research student interchanges and overlaps pain symptoms caused by the diabetes foot syndrome and problems caused purely by using ill-designed footwear which can generate other misinterpretation and it would be interesting to outline the results in greater detail.

Expert assessment of the thesis brings scholars' opinions, but they are not cited namely, which would surely be better and clearer in the context of the work.

Regarding the final product, it was created abroad and, in the work itself, it is presented only in visuals. We have no other choice but to look forward to a final functioning model which will become a convincing manifestation of author's vision created on the basis of the study of the issue.

I therefore believe that the thesis by MgA. Ing. Naveed Anwar is beneficial not only for a limited circle of experts. I recommend the thesis for the final submission and suppose Naveed Anwar will deserve to gain a doctoral degree.