OPPONENT ASSESSMENT OF DIPLOMA THESIS

Student´s name: Shriram Rajendra Chougule

Title of thesis: Reinforcement of Riverbank using Non-woven

Thesis supervisor: Ing. Jiří Chvojka, Ph.D.

Opponent: Karthik Kolappan

1. Evaluation of diploma thesis

Evaluation	A	A-	B	B-	C	F
Fulfillment of aim and the assignment of work	x					
Choice of keywords	x					
Quality of the research part	x					
Methodology of the work		x				
Evaluation of the typographic level of the work. Correct division into subchapters	x					
Evaluation of the stylistic level of the work	x					
Consistency in explaining the meaning of abbreviations and symbols	x					
Correct quotation of the sources		x				

*Mark correct grade by using **x** in the corresponding cell.*
The final evaluation of the supervisor of the diploma thesis is given by the overall subjective evaluation.
The classification of work in point 5 is given verbally, not numerically, or by letter.

2. Comments and remarks on the diploma thesis

a. Interesting topic and well-presented literature.
b. Additional information would be appreciated of polypropylene fibers for comparison with respect to polyester fibres since PP fibers are commercially used more into geotextiles.

3. Questions regarding to diploma thesis

a. Explain Sorption and wetting properties for hydrophobic fibers.
b. Elaborate reinforcement function of geo-textiles – fibres, structures
c. Define retention properties of polyester fiber
d. Explain concept state of matter and glass transition temperature for PES fibers.
e. Differentiate ageing properties between PP and PES fibers
f. Describe water holding capacity of aquadesk with respect to slope, thickness and weight.
g. Describe Off-flow characteristic for different slopes graphically.

4. Opponent's statement whether the diploma thesis meets the requirements for the award of an academic degree and whether it is recommended for defense

Recommend for defence

INTERNAL

5. Classification of the opponent of the diploma thesis
Excellent

In Liberec, on
20.01.2021

signature of the opponent of the diploma thesis