

8th Symposium on Conceptual Modeling Education (SCME 2025)

Online Resources ER2388

Appendix 1. Pre-questionnaire for demographic and knowledge information

Section 1: Personal Characteristics Questions	Comments
What is your age?	>18, >25, >30, >35, >40
What is your gender?	M, F, X, Prefer not to say
Section 2: Modelling Skills	No, Little, Moderate, Extensive knowledge
I have previous knowledge on conceptual modelling from a previous course (Q1)	
I have previous knowledge on UML from a previous course (Q2)	
I have previous knowledge on any other modelling languages from a previous course (Q3)	
If you selected any other option than the first in the previous question please say which language do you use? (Q3.1)	
I have previous knowledge on MDE from a previous course (Q4)	
Section 3: Programming Skills	No, Little, Moderate, Extensive knowledge
I have previous knowledge on programming from a previous course (Q5)	
Years of programming experience (if applicable) (Q5.1)	0,]0..2],]2..5],]6..10],]10..[
Section 4: Technological Skills	Not at all, Probably not, Rather not, Rather yes, Likely yes, Totally confident
I could use a new software application well even if I had never used an application like it before (Q6)	
I could use a new software application well if I had just the built-in-help facility or manual for assistance (Q7)	
I could use a new software application well if I had first seen someone else using it before trying it myself (Q8)	
I could use a new software application well using only the internet for assistance (Q9)	
On average, I use computers (laptops, desktop, tablet) per day (Q10)	< 1 hour,]1..2],]2..4],]4..6],]6..8],]8..[

Appendix 2. Questionnaire to evaluate the MDE teaching method

Section 1: Easy of use / usability		Strongly disagree, Disagree, Agree, Strongly agree
The teaching method is easy to use/follow	EoU1	
The method is well organized so it is easy to find the necessary information	EoU2	
Section 2: Learnability		
I would imagine most of the students would start learning with this teaching method quickly	L1	
This teaching method is clear and understandable	L2	
I need a lot of background knowledge to be able to learn with this teaching method	L3	
I would need teacher support to start learning with this teaching method	L4	
Section 3: Perceived Satisfaction / confidence / comfort		
Overall, I am satisfied with learning based on this teaching method	PS1	
I felt confident learning with this teaching method	PS2	
I felt comfortable learning with this teaching method	PS3	
This method motivated me to learn	PS4	
I would recommend this method to other students	PS5	
Section 4: Perceived difficulties / complexity		
I found this teaching method unnecessarily complex	PD1	
I thought there was too much inconsistency in this teaching method	PD2	
I found the teaching method very cumbersome	PD3	
Learning with this teaching method is a frustrating experience	PD4	
I have spent too much time correcting things in this teaching method	PD5	
Section 5: Perceived Effectiveness / productiveness /efficiency		
I can effectively learn with this teaching method	PE1	
I can improve my learning performance using this teaching method	PE2	
I can improve my learning productivity using this teaching method	PE3	
It is easier to learn with this teaching capsule	PE4	
Section 6: Overall usefulness perception (Fit for purpose)		
This teaching method meets my learning requirements	OUP1	
This teaching method has all the content I expect it to have	OUP2	
I would like to use this teaching method frequently	OUP3	
I would find this teaching method useful in my learning process	OUP4	
It would be easy for me to become more qualified using this teaching method	OUP5	

Appendix 3. Questionnaire to evaluate the tool

Section 1: System supporting information and feedback		Strongly disagree, Strongly agree	Disagree, Agree,
The information (such as online help, on-screen messages, etc) is helpful	SSI1		
The information is effective in helping me complete the learning tasks	SSI2		
The organization of information on the screens is clear	SSI3		
The tool gives error messages that clearly tell me how to correct the problems	SSI4		
Whenever I make a mistake using the tool, I recover easily	SSI5		
Section 2: System Interface / Interaction			
The interface of the tool is pleasant	SI1		
I like using the interface of the tool	SI2		
The interaction with this tool is clear and understandable	SI3		
Section 3: Experience			
The experience was challenging and stimulating	GE1		
I was able to achieve the goals set in the tool	GE2		
I remained focused on the tool throughout	GE3		
Section 4: Usability			
It was easy to use/follow and well organized so it was easy to find the necessary information	U1		
Section 5: Learning Experience			
The learning goals of the tool were clear	LE1		
The tool provided opportunities to receive feedback	LE2		
I recognize the value as a tool for learning	LE3		