

Appendix B: The scale for design thinking mindset and abilities:

Instructions to respondents

Please read each statement and indicate the degree to which it currently describes your ability, using the scale below.

1 = I cannot do this at all 2 = I cannot do it 3 = I am unsure whether I can or cannot 4 = I can do it 5 = I can do it very well.

#	Item	1 I cannot do this at all	2 I cannot do it	3 I am unsure whether I can or cannot	4 I can do it	5 I can do it very well
1	When generating ideas about a topic or problem, I can set aside my previous thoughts and assumptions related to the subject					
2	I can generate a large number of alternative ideas about a topic or problem					
3	When generating ideas about a topic or problem, I let my imagination roam					
4	When generating ideas about a topic or problem, I can think in a systematic manner					
5	I find it necessary and meaningful to seek ideas from people relevant to the topic I am addressing (e.g., if working on operating rooms, I would talk to doctors, nurses, or patients)					
6	When generating ideas about a topic or problem, I can think beyond the existing solutions					
7	I can analyse and interpret the qualitative (non-numerical) information I obtain about the topic I am addressing					
8	I am curious and eager to generate as many ideas as possible about a topic or problem					
9	I can identify similarities among the different findings I obtain about the topic I am addressing and find connections					
10	I know and can use the necessary methods to convey my ideas concisely and efficiently to recipients					

#	Item	1 I cannot do this at all	2 I cannot do it	3 I am unsure whether I can or cannot	4 I can do it	5 I can do it very well
11	When conveying my ideas about a topic to others, I prefer to show and experience them (through drawings or tangible models) rather than just explaining					
12	I can apply the methods I have found effective on one topic or problem to other everyday situations					
13	I am skilled at critiquing the ideas and thoughts of others to help move them to a better point					
14	When I start generating ideas about a topic or problem, I tend to reach a clear conclusion quickly					
15	I can formulate questions about a topic of interest in a way that allows me to conduct research on it					
16	When addressing a topic or problem and presenting multiple solutions, I can objectively eliminate ideas based on set criteria					
17	When thinking about a problem, I make an effort to consider not only my own perspective but also those of others					
18	When generating ideas about a topic or problem, I tend to think that the first idea that comes to mind is correct					
19	When generating ideas about a topic or problem, I continue to think based on the first alternatives that come to mind					
20	When addressing a topic or problem, I am curious about others' thoughts and perspectives					
21	I am skilled at collaborating with multiple individuals and dividing tasks effectively					
22	When I receive negative feedback on my ideas about a topic, I tend to defend them without thinking					

#	Item	<i>1 I cannot do this at all</i>	<i>2 I cannot do it</i>	<i>3 I am unsure whether I can or cannot</i>	<i>4 I can do it</i>	<i>5 I can do it very well</i>
23	Before generating ideas about a topic or problem, I conduct research on the subject					
24	When working on a topic, I prioritise the success of the team I am part of over my individual success					
25	When I receive feedback from someone else on my ideas, creations, or presentations, I immediately start thinking about the negative points					
26	When I receive feedback from someone else on my ideas, creations, or presentations, I notice and reflect on the thoughts or concepts my work evokes in the other person					
