Table. S1. Items used in the study

Factor	Code	Items	References
Agreeableness	AGR1	I feel little concern for others	Goldberg 1990 [20]
	AGR2	I am interested in people	
	AGR3	I take time out for others	
Openness to experience	OPE1	I have a creative imagination	Dutta and Hwang 2017 [51]; Goldberg 1990 [20]
	OPE2	I am quick to understand things	
	OPE3	I have excellent ideas	
	OPE4	I delight in thinking about things	
	OPE5	I delight in looking for a profound implication in things	
Neuroticism	NEUR1	I get stressed out easily	Goldberg 1990 [20]
	NEUR2	I am worried about the things	
	NEUR3	I am easily disturbed	
Conscientiousness	CNS1	I pay attention to details	Dutta and Hwang 2017 [51]; Goldberg 1990 [20]
	CNS2	I am always prepared	
	CNS3	I follow a schedule	
	CNS4	I make policies and stick to them	
Extraversion	EXT1	I am the life of party	Dutta and Hwang 2017 [51]; Goldberg 1990 [20]
	EXT2	I feel comfortable around people	
	EXT3	Generally, I start the conversation	
	EXT4	I don't mind being the heart of consideration	
Personal innovativeness	PI1	If I heard about a new e-learning system, I would look for ways to experiment with it.	
	PI2	Among my peers, I am usually the first to explore new educational information technologies such as e-learning system.	
	PI3	I like to experiment with new educational information technologies, e-learning system.	
	PI4	Generally, I would not hesitant to try out new educational information system such as e-learning.	
System usability	SU1	I expect using e-learning system will improve the quality of my learning	
	SU2	I believe using e-learning system will allow me to better control over my learning schedule	
	SU3	I expect using e-learning system would allow me to finish learning task more quickly	
	SU4	I expect using e-learning system would allow me to finish more learning task within my work schedule than before	
	SU5	I believe using e-learning system would improve my overall usability in my learning process.	
	SU6	Overall, using e-learning system would be a useful tool in my learning process	

E-learning adoption	BINT1	I intend to use e-learning environment in the near future to manage my learning process.	
	BINT2	I plan to use e-learning environment in the near future to manage my learning process.	
	BINT3	My willingness to use e-learning environment is high.	
	BINT4	Whatsoever the environments, I do not intend to use e-learning environment.	