Digital Leaning	Definitions/Description
modality	
Offline computer-	Offline digital education requires no internet or local area network
based education	connection and can be delivered through media including CD-ROM,
(Offline digital	external hard disc, and USB stick [18].
education)	
Online computer-	Online digital education can be defined as those that require the use of a
based education	"Transmission Control Protocol" (TCP) and an "Internet Protocol" (IP) as
(Online digital	a standard for the learning activities. Alternatively, these may also be
education)	referred to as being 'online', 'web-based', or 'networked' [17].
Serious gaming	Serious gaming and gamification (SGG) is a competitive activity in which
and gamification	learners are set educational goals intended to promote knowledge
	acquisition. The games may either be designed to promote learning or the
	development of cognitive skills, or else take the form of simulations
	allowing learners to practice their skills in a virtual environment [24].
Massive open	A massive open online course (MOOC) is an online course that is
online course	designed for the participation of large numbers of geographically
(MOOC)	dispersed learners [25].
Virtual Reality (VR)	VR as the computer-generated representation of a real or artificial
	environment that can be interacted with by external involvement, allowing
	for a first-person active learning experience through immersion. We define
	'immersive VREs' as "complex technologies that replace real-world
	sensory information with synthetic stimuli such as 3D visual imagery,
	spatialized sound, and force or tactile feedback" [21].

## Multimedia Appendix 1. Description of the digital education modalities

Virtual Patient (VP)	Virtual patients can be defined as "interactive computer simulations of
	real-life clinical scenarios for the purpose of medical training, education,
	or assessment" [26].
Psychomotor skills	PST involves training procedure skills that includes "mental and motor
trainers (PST)	activities required to execute a manual task" [27].
Mobile digital	Mobile digital education was defined as "learning across multiple contexts,
education	through social and content interactions, using personal electronic
	devices" [28].

## Footnotes