

Materials List for

Artificial Intelligence-based System for Detecting Attention Levels in Students

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Materials

Name	Company	Catalog Number	Comments
4 GPUs Nvidia A40 Ampere	NVIDIA	TCSA40M-PB	GPU for centralized model processing server
FusionServer 2288H V5	X-Fusion	02311XBK	Platform that includes power supply and motherboard for centralized model processing server
Memory Card Evo Plus 128 GB	Samsung	MB-MC128KA/EU	Memory card for the operation of the raspberry pi 4b 2gb. One for each raspberry.
NEMIX RAM - 512 GB Kit DDR4-3200 PC4-25600 8Rx4 EC	NEMIX	M393AAG40M32-CAE	RAM for centralized model processing server
Processor Intel Xeon Gold 6330	Intel	CD8068904572101	Processor for centralized model processing server
Raspberry PI 4B 2GB	Raspberry	1822095	Local server that receives requests from the clocks and sends them to the general server. One every two students.
Samsung Galaxy Watch 5 (40mm)	Samsung	SM-R900NZAAPHE	Clock that monitors each student's activity. For each student.
Samsung MZQL23T8HCLS-00B7C PM9A3 3.84Tb Nvme U.2 PCI-Express-4 x4 2.5inch Ssd	Samsung	MZQL23T8HCLS-00B7C	Internal storage for centralized model processing server
WebCam HD Pro C920 Webcam FullHD	Logitech	960-001055	Webcam HD. One for each student plus two for student poses.