Funded by the European Union

Modernization of mechatronics and robotics for bachelor's degree
in Uzbekistan through innovative ideas and digital technologyMechaUz
609564-EPP-1-2019-1-EL-EPPKA2-CBHE-JP

MECHAUZ
Bringing your ideas and innovations to education

List of equipment purchased for the center within the framework of the project " Modernization of mechatronics and robotics for bachelor's degree in Uzbekistan through innovative ideas and digital technology"

#	Device name	Quantity	Technical characteristics	Picture
1	Server + UPS	1	Gen10 Server/2.4GHz/10-core/13.75MB/2400 MT/s/2@9.6GT/s/100W)/ Hot Plug Tower 4.5U /32GB (2x16GB) Single Rank x4 DDR4-2933 CAS-21-21-21 Registered Smart Memory / HPE Smart Array S100i SR Gen10 SW RAID (RAID 0/1/5/10) / 2 x Жесткий диск HPE 4TB SATA 7.2K LFF RW MV HDD 801888-B21 (max. 4 x LFF Hot-Plug) / HPE Embedded 2-Port (2x1Gb) Ethernet / 1 x 550W ATX Gen10 Power Supply Non Hot-Plug	
2	Projector	1	Characteristics: Device class - portable, Device type - LCD x3, Recommended area of application - for home cinema, Real resolution - 1920x1200, Wide format - in, Support HDTV - est, Power source Type - UHE, Service life - 4500 hours, Service life v economical mode - 7500 hours, Power - 210 W, Diagonal size - ot 0.76 to 7.62 m, Image ratio - 1.02:1 - 1.23:1, Optical zoom - 1.2x, Diaphragm - 1.58 - 1.7, Focusing - 18.2 - 29.2 mm, Contrast - 15000:1, Luminous flux - 3100 lumens, Correction of trapezoidal distortion - est (vertical/horizontal), Supported audio systems - PAL, SECAM, NTSC, Supported input signal formats - 480i, 480p, 576i, 576p , 720p, 1080i, 1080p, Interface: Input - VGA, HDMI x2, composite, component, audio RCA, Interface - USB (type A), USB (type B), Dimensions (WxHxD) - 302x91x251 mm, Weight - 2.7 kg, Additional: Vstroennye gromkogovoriteli - 1 x 2 W, Uroven shuma - 37 dB	

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| 3 | Laptop | 1 | Processor: 12th generation (10 cores: 2 performance cores + 8 efficiency cores, 12 threads, 12 MB Smart Cache), maximum turbo frequency up to 4.40 GHz with Intel Turbo Boost technology, RAM: 8 GB DDR4 3200 MHz , HDD: 512GB M.2 PCIe NVMe SSD, Graphics Card: Graphics RTX 360, Wi-Fi/Bluetooth: Wi-Fi 6E AX211 (2x2 802.11AX) (Gig+) and Bluetooth 5.2, Ports: 1 x USB 3.2 Gen 1 Type- A; 2 USB 3.2 Gen 2 Type-C ports (DP/data/power); 1 HDMI 1.4b port; Headphone/microphone combination; SD card reader, Dimensions: 31.39 x 22.7 x 1.77 cm, Weight - 1.56 kg, Battery - 3-cell, lithium-ion, 54 Wh. HD camera with built-in bi-directional digital microphone, Additional information: Housing material – plastic | |
| 4 | Aluminium white board | 1 | Suitable for use in education and offices. White glossy surface for writing with dry erase markers and attaching information using magnets. Anodized aluminum frame ALU23. Boards with dimensions of 120x180 cm are reinforced on the reverse side with galvanized steel sheet. Possibility of installing the board both vertically and horizontally. Hidden four-point wall mounting. Contents: mounting kit, shelf for markers 30 cm, 1 marker, 3 magnets. Packing: corrugated cardboard. Warranty: 2 years on product, 10 years on varnished surface. | |

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5	Desktop	1	Processor: 12th generation, Number of cores 6, Number of threads 12, Clock frequency 2900 MHz, Turbo Boost 2.0 4.30 GHz, Cache memory 12 MB Smart Cache, Motherboard H470, RAM 8 GB, Memory type DDR4, Frequency 2666 MHz , SSD drive 512GB, M.2 2280, PCI-E x4, read speed 2100 MB/s, write speed 1200 MB/s, Hard drive 1 TB, 3.5" 7200 rpm 128 MB, Interface: SATA-III, DVD-RW optical drive, Integrated video, Network interface: Bluetooth, Gigabit Ethernet (10/100/1000 Mbit/s), Wi-Fi 802.11b, 802.11g, 802.11n, Power supply 500 W, Headphone, microphone, RJ connectors -45, DisplayPort, HDMI, DVI, USB Type-C, 5xUSB 3.1, 4xUSB 2.0, Expansion slots: 2 x PCI-E M.2, PCI-E x1, PCI-E x4, PCI-E x16, Card reader Delivery set: keyboard, mouse Colors: black Dimensions 169 x 367 x 308 mm, Weight 8.2 kg, Operating system software Microsoft Windows Pro 10 32-bit/64-bit USB (FQC-09118) official licensed, MICROSOFT OFFICE Home and Business BOX PL PKC official licensed, Monitor 24" E2420H Diagonal 23.8, Matrix type IPS, LED backlight, Widescreen monitor, Screen resolution 1920x1080 (16:9), Matte screen surface, Brightness 250 cd/m2, Contrast 1000:1, Response time 5 ms, Viewing angle horizontally and vertically 178 °, Maximum number of colors 16.7 million, Frame refresh rate 60 Hz, Blue Light Filter/Shield, Flicker-free technology, Wall mounting (VESA) 100x100 mm, DisplayPort, VGA (D-Sub) interfaces, Built-in power supply, Consumable operating power 22 W, Color black, VESA 100x100	

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			mm, Dimensions (WxHxD) 551x420x171 mm, Weight 4.27 kg. Set of surge protectors Tripp Lite 3-meter 6-socket.	
6	Tablet	1	Processor: 12th generation, 4.4 GHz (10-Cores; 12-Threads), Video card, Screen diagonal 13.3'' FullHD (1920 x 1080) TouchScreen, Screen resolution, FHD, Matrix type, RAM 8GB DDR4, Storage 256GB M.2 SSD, Network: Bluetooth v5.1 Wi-Fi 6 (Gig+), 802.11 ax 2×2 (Wi-Fi 6E Ready), Keyboard With ENG backlight, Metal body, Blue color Webcam, HD 720, Audio, AKG | built-in microphone, Ports, 1 HDMI1, Thunderbolt™ 41, USB Type-C1, USB3.2 MicroSD, Multimedia card reader1, Headphone/microphone combo output	
7	All in one: printer, scanner, copy	1	Characteristics: ("print factory", A4) - Photo printer, scanner, copier, 6 colors, 37/38 ppm (10x15 cm - 12 s), 5760 x 1440 dpi, printing on CD/DVD, drop volume 1.5 pl, scanner 1200 x 2400dpi, includes 70 ml ink tanks (6 pcs), borderless printing, 6.9 cm LCD screen, touch control panel, direct printing from memory cards, USB drives and cameras, 12 month warranty. / 3000 prints, USB2.0	