



APROB

ANUNȚ DE PARTICIPARE

1. Privind achiziționarea: Echipamentului din cadrul Proiectului „ Fostering university-enterprise cooperation and entrepreneurship of students via smart cafes - SMART ”
2. Prin procedura de achiziție: **Licitație Publică**
3. Denumirea autorității contractante: **Universitatea Agrară de Stat din Moldova**
4. IDNO: **1007600002710**
5. Adresa: **Str. Mircești 44**
6. Numărul de telefon/fax: **(022) 432-340 ,069204216**
7. Adresa de e-mail și de internet a autorității contractante: **v.cocieru@uasm.md**
8. Adresa de e-mail sau de internet de la care se va putea obține accesul la documentația de atribuire: *documentația de atribuire este anexată în cadrul procedurii în SIA RSAP "MTender"*
9. Cumpărătorul invită operatorii economici interesați, care îi pot satisface necesitățile, să participe la procedura de achiziție privind livrarea/prestarea/executarea următoarelor bunuri /servicii/lucrări.

Nr. d/o	Denumirea bunurilor solicitate	Specificarea tehnică deplină solicitată, Standarde de referință	Cantitate a/ Unitatea de măsură	Valoarea estimată	Justification / Comments
1.	Full HD AVCHD / XAVC S camcorder	<p>Full HD AVCHD / XAVC S camcorder with 40x zoom (Clear Image Zoom and built-in wireless functionality, Three 1/2.8-inch CMOS sensors)</p> <p>General: Mass: Approx. 2500 g (with lens hood, eyecup, battery) Dimensions (W x H x D): 176.0 × 199.5 × 385.0 mm (With the accessories (lens hood, large eyecup), excluding the grip belt and including the projecting parts) Power Requirements: DC In: 8.4V, Battery: 7.2 V Power Consumption: Approx. 7.8 W (while recording with LCD and AVCHD 1080/50i or 60i FX) Operating Temperature: 0°C to 40°C Storage Temperature: -20°C to +60°C Battery Operating Time: Approx. 240 min. (while recording with LCD, AVCHD 1080/50i or 60i FX), Approx. 440 min. (while playing with LCD, AVCHD 1080/50i or 60i FX) Recording Format (Video): XAVC S HD: MPEG4-AVC/H264 4:2:0 Long profile, AVCHD: MPEG-4 AVC/H.264 AVCHD 2.0 format compatible, DV Recording Format (Audio): XAVC S HD: Linear PCM 2ch, 16bit, 48kHz. AVCHD: Linear PCM 2ch, 16-bit, 48 kHz / Dolby Digital 2ch, 16-bit, 48 kHz. DV: Linear PCM 2ch, 16-bit, 48 kHz Recording Frame Rate:</p>	1 buc	62 559,24	The HXR-NX5R handheld camcorder with wireless workflow will be a multi-purpose workhorse for organising everything from educational trainings to SMART Caffe live videos, live events to live presentation, live streaming and recording across a wide number of applications, recording of inovational conferences, start-up competition.

XAVC S (1920 x 1080)@50p, 25p, 50 Mbps or @59.94p, 29.97p, 23.98p, 50 Mbps, AVCHD (1920 x 1080)@50p or 59.94p, PS mode (28 Mbps), AVCHD (1920 x 1080)@50i/25p or @59.94i/29.97p/23.98p, FX mode (24 Mbps) FH mode (17 Mbps), AVCHD (1440 x 1080)@50i or 59.94i, HQ mode (9 Mbps) LP mode (5 Mbps), AVCHD (1280 x 720)@50p or 59.94p, FX mode (24 Mbps) FH mode (17 Mbps) HQ mode (9 Mbps), DV (720 x 576) @50i or 59.94i, 25 Mbps

Recording/Playback Time: XAVC S HD@LPCM 2ch 50 Mbps: Approx. 155 min with 64 GB memory card, AVCHD@LPCM 2ch PS Mode: Approx. 290 min with 64 GB memory-card, Approx. 145 min with 32 GB memory card, AVCHD@LPCM 2ch FX Mode: Approx. 340 min with 64 GB memory card, Approx. 170 min with 32 GB memory card, AVCHD@LPCM 2ch FH Mode: Approx. 450 min with 64 GB memory card, Approx. 225 min with 32 GB memory card, DV: Approx. 280 min with 64 GB memory card, Approx. 140 min with 32 GB memory card

Lens: Lens Mount: Fixed **Zoom Ratio:** 20x (optical), 40x(Clear Image Zoom), servo/manual

Focal Length: f=4.1 - 82.0mm, equivalent to f=28.8 - 576mm on 35 mm lens(16:9), equivalent to f=35.2 - 705mm on 35 mm lens(4:3) **Iris:** F1.6(Wide) - F3.4(Tele) auto/manual selectable

Focus: AF/MF selectable, 10 mm to ∞ (Wide), 800 mm to ∞ (Tele) **Image Stabilizer:** ON/OFF selectable, shift lens **Filter Diameter:** M72 mm

Camera Section: Imaging Device (Type): 3-chips 1/2.8 type "Exmor" CMOS Sensor

Effective Picture Elements: Approx. 2.07M

Built-in Optical Filters: OFF: Clear, 1: 1/4ND, 2: 1/16ND, 3: 1/64ND

Minimum Illumination: 50i: 1.0lux(1/25 Shutter Speed, iris/gain Auto) or 60i: 1.2lux(1/30 Shutter Speed, iris/gain Auto). **Shutter Speed:** 1/3 -1/10,000, **Slow & Quick Motion Function:** 1080p: Frame rate selectable 1.2.3.6.12.25,50 fps, **White Balance:** Preset (Indoor: 3200K, Outdoor: 5600K±7 steps, Color temperature set range: 2300-15000K), Onepush A, B, Auto selectable, **Gain:** -6, -3, 0, 3, 6, 9, 12, 15, 18, 21, 24, 27, 30 dB, AGC, **Gamma Curve:** Selectable

Input/Output: Audio Input: XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable **Video Output:** BNC (x1), Composite 1.0Vp-p, 75 Ω **Audio Output:** Stereo mini jack (x1) **SDI Output:** BNC type (x1), SD/HD/3G(Level-B) selectable SMTPE 259M/292M/424M/425M standards **USB:** Multi/Micro USB jack (x1) **Headphone Output:** Stereo mini jack (x1) **Speaker Output:** Monaural **DC Input:** DC jack **Remote:** Stereo mini mini jack (x1) **HDMI Output:** Type A (x1)

Monitoring: Viewfinder: 1.0 cm (0.39 type) OLED Approx. 1.44 M dots **LCD:** 8.8 cm (3.5 type) Approx. 1.56 M dots.

Built-in Microphone: Omni-directional stereo electret condenser microphone.

Media: Type: Memory Stick Pro Duo(TM) and SD/SDHC/SDXC compatible (x1) SD/SDHC/SDXC (x1)

Built-in LED Light: Luminous intensity: MAX: 1.0m/Approx. 200 lx, 0.5m/Approx. 800 lx, MIN: 1.0m/Approx. 20 lx, 0.5m/Approx. 80 lx **Lighting angle:** Approx. 30° **Color temperature:** Approx. 5,500K

		<p>Wi-Fi/NFC: Supported Format: IEEE 802.11 b/g/n Frequency Band: 2.4 GHz bandwidth Security: WEP/WPA-PSK/WPA2-PSK NFC: NFC Forum Type 3 Tag compliant Streaming: MPEG-2 TS/UDP, RTMP(USTREAM) FTP: FTP, FTPS Supplied Accessories: Battery Charger (1), Lens cover with hood (1), Large eyecup (1), Shoe cap (1), USB cable (1), Video light diffuser (1), Rechargeable battery pack (1), AC Adaptor (1) Power cord (mains lead) (1), Wireless Remote Commander (1), Lithium battery (for the Wireless Remote Commander) (1), Pre-installed to the Wireless Remote Commander, Accessory shoe kit (1), Operating Guide (2), CD-ROM (1), Warranty (1) Warranty: 36 months</p> <p>Analog: Camera Sony HXR-NX5R</p>			
2.	Interactive touch display 75"	<p>Interactive touch display 75" with fast & accurate touch technology (20-point touch, finger and pen)</p> <p>DISPLAY SPECIFICATIONS Display technology Liquid Crystal Display (LCD) with DirectLED lighting Panel active screen area 1650.0 x 927.9 mm 64.96" x 36.54" Display aspect ratio 16:9 Display native resolution 3840 x 2160 pixels - 4K Ultra High Definition Brightness 330 cd/m² Contrast ratio 1200:1 Viewing angle 178° / 178° Colour depth 1.073 billion colors (10 bit) Response time (typ.) 8 ms Refresh rate 60 Hz (@ UHD) Pixel pitch 0.372 x 0.372 mm Supported orientation Landscape Glass 4 mm Hardened Anti-Reflection Safety Glass Life time 30,000 hours</p> <p>CONNECTIVITY Digital audio-video inputs 2x HDMI 2.0 Digital audio-video output 1x HDMI 2.0 Analogue audio-video input 1x VGA (DE-15 male) + audio jack (3.5 mm TRS connector) Analogue video output 1x AV (TRRS connector) Analogue audio output audio output 1x audio jack (TRS connector) Digital audio output audio output 1x digital coax (RCA connector) USB data ports 2x USB 3.0 2x USB 2.0 Integrated PC slot OPS-PC slot (JAE TX24 connector) Control input 1x COM DE-9 (RS-232 standard) Network LAN: RJ-45 connector (100 Mbit/sec) Wi-Fi: 2.4 / 5 GHz (802.11 a/b/g/n/ac) Bluetooth: 4.0 Integrated loudspeakers 2 x 12 Watt</p> <p>OPERATIONAL FEATURES Operating System Android™ >=7.0 Architecture CPU: ARM CORTEX Dual Core A73 (2.8 GHz) GPU: ARM MALI-450 RAM: >=2 GB ROM: >=16 GB Interactive touch Technology: V-Sense Infrared Touch recognition Input Detection: 20 touch inputs</p>	1 buc	119 064,36	<p>This device aims to combine training delivery, assessment, student collaboration and game-based learning software. It will connect students, teachers and devices to turn lessons into enriching learning experiences. Designed for small and big groups or individual learning, the SMART board has all the essentials educators need to bring the devices SMART Caffe users love into any learning environment.</p>

		<p>Touch Connection: 1x USB-B Recognition: Finger or passive stylus (size ≥ 3 mm) Response time: < 4 ms (regular touch), < 25 ms (max touch inputs) Accuracy: ± 1 mm Supported Compatibility Windows, Android, Macintosh OS X, Linux, Chrome OS Maximum operating hours 18 hours / day Languages English, French, German, Romanian, Russian</p> <p>PHYSICAL PROPERTIES Product dimensions 1763 x 1016 x 100 mm 69.41" x 40.00" x 3.94" Mounting Pattern 800 x 400 Accessories: Power cable, USB cable (> 5m), HDMI cable (> 5m), Remocon + Battery, PEN 2 x, User Manual, Wall mount, Wifi dongle, Floor lift on wheels for Interactive touch display 75" VESA Mount: 800 x 400</p> <p>WARRANTY Standard warranty 5 years</p> <p>Analog: i3Tech E1075R Interactive display 75" 4K 20 touch + Floorlift on wheels 02 (https://assets.touchboards.com/assets/1/26/i3-Technologies-i3Touch-E1075R-Data-Sheet.pdf)</p>			
3.	24" touch-screen	<p>24" touch-screen All-in-One Desktop Computer</p> <p>Processor: Lithography 14 nm, Performance: # of Cores: 6, # of Threads: 6, Processor Base Frequency: 1.70 GHz, Max Turbo Frequency: 3.30 GHz, Cache: 9 MB SmartCache, Bus Speed: 8 GT/s DMI3, TDP; 35 W, Configurable TDP-down Frequency: 1.20 GHz, Configurable TDP-down: 25 W, Memory Specifications: Max Memory Size (dependent on memory type): 64 GB, Memory Types: DDR4-2666, Max # of Memory Channels: 2, Max Memory Bandwidth: 41.6 GB/s, Processor Graphics: Graphics Base Frequency: 350 MHz, Graphics Max Dynamic Frequency: 1.05 GHz, Graphics Video Max Memory: 64 GB, 4K Support: Yes, at 60Hz, Max Resolution (HDMI 1.4): 4096x2304@24Hz, Max Resolution (DP): 4096x2304@60Hz, Max Resolution (eDP - Integrated Flat Panel): 4096x2304@60Hz, DirectX Support: 12, OpenGL Support: 4.5, # of Displays Supported: 3, Expansion Options: Scalability: 1S Only, PCI Express Revision: 3.0, PCI Express Configurations Up to 1x16, 2x8, 1x8+2x4, Max # of PCI Express Lanes: 16, Package Specifications: Max CPU Configuration; 1, Thermal Solution Specification: PCG 2015A (35W), T_{JUNCTION}: 100°C, Advanced Technologies: Instruction Set64-bit, Idle StatesYes, (Analog: 8th Generation Intel® Core™ i5-8400T processor (9MB Cache, up to 3.3 GHz))</p> <p>Operating System: Windows 10 Home 64bit English Memory: 8GB, 1x8GB, DDR4, 2666MHz Hard Drive: 2TB 5400 rpm Hard Drive Video Card: Manufacturing Process: 14 nm, Base frequency: 1354 MHz, Memory Type: GDDR5, Memory Frequency: 1752 MHz, Memory bandwidth: 112.1 GB/sec, Memory Speed: 7 Gbps. Power consumption: 75 W, Cores: 640, Maximum frequency: 1493 MHz, Memory Capacity: 4 GB, Memory bus: 128-bit, DirectX: 12, OpenGL: 4.5, Bus Support: PCIe 3.0, Maximum Digital Resolution: 7680x4320@60Hz, Standard Display Connectors: DP 1.4, HDMI 2.0b, Dual Link-DVI</p>	7 buc	125 683,53	<p>Will be used by SMART CAFE users in all the activities related to idea generation, StartUp creation, communication with other stakeholders and help students and young researchers to create, develop, promote and commercialize their own innovative ideas .Processing of research results, communication with partners, documentation management, preparation of presentations.</p>

		<p>(Analog: NVIDIA GeForce GTX1050 with 4GB GDDR5 graphics memory) CD ROM/DVD ROM: No Optical Drive Wireless: 802.11ac + Bluetooth 4.1, Dual Band 2.4&5 GHz, 2x2 Keyboard: Black Wireless Keyboard Mouse: Wireless Mouse included with Keyboard LCD: 23.8" FHD 1920 x 1080 Anti-Glare Narrow Border Touch Display IPS: Power Supply: 180W A/C Adapter</p> <p>Warranty: 36 months</p> <p>Analog: Dell Inspiron 24 5000 Touch (Inspiron AIO 5477), ALL in ONE, 8th Generation Intel® Core™ i5-8400T processor, RAM 8GB DDR4 2666MHz, 2TB 5400 rpm Hard Drive, Mouse, Keyboard</p>			
4.	Professional 3D printer	<p>Professional 3D printer Printer and printing properties: Technology: Fused filament fabrication (FFF) Print head: Dual extrusion print head with an auto-nozzle lifting system and swappable print cores Build volume: XYZ: 215 x 215 x 200 mm (left or right nozzle only), XYZ: 197 x 215 x 200 mm (dual extrusion), Filament diameter: 2.85 mm, Layer resolution: 0.25 mm nozzle: 150 - 60 micron, 0.4 mm nozzle: 200 - 20 micron, 0.8 mm nozzle: 600 - 20 micron, XYZ resolution: 12.5, 12.5, 2.5 micron, Print head travel speed: 30 - 300 mm/s, Build speed: Up to 24 mm³/s Build plate: Heated glass build plate, Build plate temperature: 20 - 100 °C, Build plate leveling: Active leveling, Build plate heat time: <4 min (from 20 to 60 °C) Supported materials: Optimized for: PLA, Tough PLA, ABS, Nylon, CPE, CPE+, PC, PP, TPU 95A, PVA, Breakaway. (Also supports third-party materials) Nozzle diameter: 0.25 mm, 0.4 mm, 0.8 mm, Nozzle temperature: 180 - 280 °C, Nozzle heat up time: <2 min Build plate heat up time: < 4 min (from 20 to 60 °C) Operating sound: 50 dBA Connectivity: Wi-Fi, LAN, USB port Language support: English, Russian Monitoring: Live camera (view from desktop or app) Physical dimensions: Dimensions: 342 x 380 x 389 mm, 342 x 505 x 588 mm (with Bowden tube and spool holder), Net weight: ~10.6 kg Power: Required input: 100 - 240 VAC / 50 - 60 Hz Ambient conditions: Operating ambient temperature: 15 - 32 °C, 10 - 90% RH non-condensing Non-operating temperature: 0 - 32 °C Software: Supplied software: print preparation software and free printer management solution Supported OS: MacOS, Windows, and Linux Plugin integration: SolidWorks, Siemens NX, Autodesk Inventor File types: Ultimaker Cura: STL, OBJ, X3D, 3MF, BMP, GIF, JPG, PNG, Printable formats: G, GCODE, GCODE.gz, UFP Warranty: 12 months</p> <p>Analog: Ultimaker 3 (https://ultimaker.com/en/products/ultimaker-3)</p> <p>3D Printer Filaments</p>	1 buc	60 884,27	<p>This 3D printer has the aim to open the world of 3D printing possibilities for users of SMART Caffe, translate their vision into reality efficiently, reliable, precise, by creating sophisticated 3D models and intricate geometries during the process of Startups creation but also during trainings and daily usage. Enables students to produce complex (functional) shapes using less material than traditional manufacturing methods.</p>
		3D Printer Filaments collection for Professional 3D printer (above):	1 buc	10 090,20	Ultimaker filaments are formulated to ensure

	3D Printer Filaments	1xNylon, 5xPLA, 1xTough PLA, 1xABS, 1xCPE, 1xCPE F, 1xPVA, 1xTPU 95A, 1xPP, 1xBreakaway, 1x PC Analog: https://ultimaker.com/en/products/materials			the highest print quality and cover a wide range of applications. In order students to enjoy a seamless 3D printing experience with Ultimaker Cura profiles or easily customize them for their prototyping needs.
5.	Desktop 3D Scanner	Desktop 3D Scanner Model: Desktop 3D Scanner, Scan Mode: Fixed scan, Auto Scan, Mode of Alignment: Fixed scan: Feature; Manual, Auto Scan: Turntable, Manual Single Shot Accuracy: ≤0.1 mm Minimum Scan Volume: 30 × 30 × 30 mm, Maximum Scan Volume: Fixed scan: 700×700×700mm, Auto Scan: 200×200×200mm, Range of Single Capture: 200×150 mm, Scan Speed: Fixed scan: <8 s, Auto Scan: <2 mins, Point Distance: 0.17 mm ~ 0.2 mm, Texture: Yes File Format: OBJ, STL, ASC, PLY Camera Resolution: 1.31 Mega Pixels, Light Source: White Light, Stand-off Distance: 290 ~ 480 mm Weight (unpacked): ~2.5 kg, Weight (packed): ~4.9 kg Dimension: ~570×210×210 mm Power Supply: 50 w, Input Voltage: DC: 12 v, 3.33 A Calibration Board: Standard, Turntable: Standard Load Capacity of Turntable: 5 kg Warranty: 24 months Analog: EinScan-SE	1 buc	26 234,52	This structured light 3D scanning technology, will be used in reconstruction of the real geometry of objects with fine details, providing high quality 3D data for 3D printer, which can be printed by 3D printer directly.
6.	13-inch laptop	13-inch laptop, 16GB LPDDR3, 512GB SSD Processor: Lithography 14 nm, Performance: # of Cores: 4, # of Threads: 8, Processor Base Frequency: 1.80 GHz, Max Turbo Frequency: 4.00 GHz, Cache: 8 MB SmartCache, Bus Speed: 4 GT/s OPI, TDP: 15 W, Configurable TDP-up Frequency: 2.00 GHz, Configurable TDP-up: 25 W, Configurable TDP-down Frequency: 800 MHz, Configurable TDP-down: 10 W Memory Specifications: Max Memory Size (dependent on memory type): 32 GB, Memory Types: DDR4-2400, LPDDR3-2133, Max # of Memory Channels: 2, Max Memory Bandwidth: 34.1 GB/s, Processor Graphics: Graphics Base Frequency: 300 MHz, Graphics Max Dynamic Frequency: 1.15 GHz, Graphics Video Max Memory: 32 GB, Graphics Output: eDP/DP/HDMI/DVI, 4K Support: Yes, at 60Hz, Max Resolution (HDMI 1.4): 4096x2304@24Hz, Max Resolution (DP): 4096x2304@60Hz, Max Resolution (eDP - Integrated Flat Panel): 4096x2304@60Hz, DirectX Support: 12, OpenGL Support: 4.4, # of Displays Supported: 3. Expansion Options: PCI Express Revision: 3.0, PCI Express Configurations: 1x4, 2x2, 1x2+2x1 and 4x1, Max # of PCI Express Lanes: 12, Instruction Set: 64-bit, Idle States: Yes Memory: 16GB LPDDR3 1866MHz Hard Drive: 512GB PCIe Solid State Drive Display: 13.3" FHD AG (1920 x 1080) Audio and Speakers: Stereo speakers 1W x 2 = 2W total Power: Battery: 60Whr battery (built-in), A/C Adapter: 45W AC adapter Camera: Widescreen HD (720p) webcam with dual array digital microphones	7 buc	177 587,52	Will be used by SMART CAFFE users in all the activities related to idea generation, StartUp creation, communication with other stakeholders and help students and young researchers to create, develop, promote and commercialize their own innovative ideas. Processing of research results, communication with partners, documentation management, preparation of presentations.

		<p>Wireless: 802.11ac 2x2 WiFi and Bluetooth 4.2 Ports: Ports (PRTS), 2 USB 3.0 - 1 w/Power Delivery, 1 Headset jack , 1 Noble lock slot, 1 Thunderbolt 3 (2 lanes of PCI Express Gen 3) supports: Power Delivery, Thunderbolt 3 (40Gbps bi-directional), USB 3.1 Gen 2 (10Gbps), VGA, HDMI, Ethernet and USB-A via Adapter Keyboard: Full size, backlit chiclet keyboard; 1.3mm travel. Mouse: Precision touchpad, seamless glass integrated button Mandatory: Adapter-USB-C to HDMI/VGA/Ethernet/USB 3.0</p> <p>Warranty: 36 months</p> <p>Analogue: DELL XPS 13, i7-8550U Processor, 16GB LPDDR3, 512GB PCIe SSD</p>			
7.	Digital Video Recorder and Streaming Media Player	<p>Digital Video Recorder and Streaming Media Player</p> <p>Specifications: Recording Capacity: 150 HD hours, Hard drive size: 1TB, Video output: 480i, 480p, 720p, 1080i, HDMI out: v2.0 (4k 24/60, 1080p, 24/60), HDMI: 1080p, 4K UHD, Power: 12V, Ethernet port: 10/100/1000 Mbps, Coax connector: Yes, Optical audio out: Yes, Analog audio: Yes, External storage port (eSATA): Yes, USB 2.0 ports: 2, CableCARD slot: Yes, Built-in WiFi (AC dual band, N, G, B, A): Yes, TV Source: Digital cable and Verizon FIOS Internet Connection: Built-in wireless, Ethernet port, Coax/built-in MoCA bridge Product Compatibility: iOS and Android app for mobile viewing and management, Expandable storage (eSATA) OneSearch - search broadcast TV and streaming content all at the same time, SkipMode - skip commercial breaks with a single button. QuickMode - watch shows 30% faster with pitch perfect audio. Watch shows on all screens via iOS & Android apps, Cast shows from mobile device to TV, Watch & record cable TV channels, Storage(Simultaneous recording):1TB, Tuners: Up to 6, 4K Ultra High Def, Remote Finder, RF Remote Included in box: Unified Entertainment System, remote control, Setup + Product Features guide, Power cord, 6 ft. 4K HDMI cable Warranty: 12 months</p> <p>Analogue: TiVo BOLT 1000 GB DVR: Digital Video Recorder and Streaming Media Player - 4K UHD Compatible.</p>	1 buc	4 036,08	This device allows users to get search results cross-referenced for all video sources, that is TV and online. Also manage the whole videos withing the SMART_Channel storage.
8.	VR Headset	<p>VR Headset Type: VR Headset, Material: Woolenex Cloth+PC/ABS+PP+High Elasticity Nylon(head band), FOV: 93°. Lens: Aspherical, IPD/Focus: 62mm / 45mm, Compatible: Mobile Phone with 4.7-5.7 inches screen size and with a screen resolution of up to 1080P; Package Contents: 1xVR Headset, 1xHead strap Warranty: 12 months</p> <p>Analogue: Xiaomi Mi VR Play 2</p>	5 buc	5 045,10	Creating an experience that is not possible in ordinary physical reality. Generate realistic images, sounds and other sensations that simulate a user's physical presence in a virtual or imaginary environment. This mobile VR tool is a must in the idea generation field and creating the planned SMART creative environment.

9.	Mobile battery-powered speaker	<p>Mobile battery-powered speaker General: Mobile battery-powered speaker with a wireless options including a handheld microphone, a headset and a lavalier mic! The Bluetooth and wireless UHF receiver allows to stream music from mobile device and operate the wireless microphones as well. Also it is possible to playback music using the USB or SD card slots. Using the included remote control, allowing operate the speaker's built-in MP3 player. Speaker with rechargeable battery.</p> <p>Specifications: Product features: Speaker connectors RCA input, 6.3 mm TS input, XLR input, USB for media player, Bluetooth, Battery included yes, Playback possibilities Bluetooth, USB, SD card, line in. Weight: ~15 kg. Included microphone: lapel, handheld with cable, handheld wireless, headset, RMS power in watts: 500 - 749 W. Wheels + extendable handle yes.</p> <p>Weight and dimensions including packaging: Weight: ~15.1 kg, Dimensions: ~34.5 x 42.0 x 63.5 cm,</p> <p>Product specifications: mobile battery-powered speaker, equipped with Bluetooth functionality, wireless UHF receiver for microphones, bright LCD display, technical information, woofer: 12 in, horn-loaded tweeter, power capacity: 600 W, frequency response: 50 Hz - 19 kHz, microphone frequency: 863.100 - 864.500 MHz, connectors: , 2x microphones (XLR and jack), 2x RCA (line I/O, L/R), SD card, USB sticks, Bluetooth, UHF wireless, microphones, power cable, controls: 4x mic level (2x wired, 2x wireless), line/MP3 level, mic echo, master volume, 5-band equalizer, controls for MP3 player, housing: material: ABS plastic, stand flange: 36 mm, extendible handle and wheels, dimensions: ~310 x 380 x 590 mm, weight: ~13.6 kg. included: 2x microphones (wireless and wired), bodypack, headset, lavalier mic, remote control</p> <p>Warranty: 24 months</p> <p>Analogue: Vonyx AP1200PA</p>	1 buc	6 054,12	<p>This portable sound system that includes speakers, an amplifier, audio inputs, and wireless Bluetooth technology all in one with two microphones will be used during project meetings and workshops, inside and outside events for a better quality understanding between participants.</p>
10.	Tower Desktop Computer + Monitor	<p>Tower Desktop Computer+Monitor</p> <p>Processor: Lithography 14 nm, Performance: # of Cores: 6, # of Threads: 12, Processor Base Frequency: 3.20 GHz, Max Turbo Frequency: 4.60 GHz, Cache: 12 MB SmartCache, Bus Speed: 8 GT/s DMI3, TDP: 65 W, Memory Specifications: Max Memory Size (dependent on memory type); 64 GB, Memory Types: DDR4-2666, Max # of Memory Channels: 2, Max Memory Bandwidth: 41.6 GB/s, Processor Graphics: Graphics Base Frequency: 350 MHz, Graphics Max Dynamic Frequency: 1.20 GHz, Graphics Video Max Memory: 64 GB, 4K Support: Yes, at 60Hz, Max Resolution (HDMI 1.4): 4096x2304@24Hz, Max Resolution (DP): 4096x2304@60Hz, Max Resolution (eDP - Integrated Flat Panel): 4096x2304@60Hz, DirectX Support: 12, OpenGL Support: 4.5, # of Displays Supported: 3, Expansion Options: Scalability: 1S Only, PCI Express Revision: 3.0, PCI Express Configurations: Up to 1x16, 2x8, 1x8+2x4, Max # of PCI Express Lanes: 16, Package Specifications: Max CPU Configuration: 1, Thermal Solution Specification: PCG 2015C (65W), T_{JUNCTION}: 100°C, Advanced Technologies: Instruction Set: 64-bit, Idle States: Yes, (Analogue: 8th Generation Intel® Core™ i7-8700 6-Core Processor (12MB Cache, up to 4.6 GHz))</p> <p>Memory: 32GB Memory: 16GB 2666MHz DDR4 DRAM + 16GB Intel® Optane™ Memory</p>	1 buc	28 252,56	<p>This device aims to be used as server for the SMART Caffer computer network, provides data to other computers. It will serve data to systems on the University local area network (LAN) or a wide area network (WAN) over the Internet.</p>

		<p>Chassis Options: Mainstream Chassis (460W) Hard Drive: 2TB 7200 rpm Hard Drive Video Card: GPU Engine Specs: CUDA Cores: 768, Graphics Clock (MHz): 1290, Processor Clock (MHz): 1392, Graphics Performance: high-6747, Memory Specs: Memory Clock: 7 Gbps, Standard Memory Config: 4 GB, Memory Interface: GDDR5, Memory Interface Width: 128-bit, Memory Bandwidth (GB/sec): 112, Feature Support: Supported Technologies: CUDA, 3D Vision, PhysX, G-SYNC, Ansel, Thermal and Power Specs: Maximum GPU Temperature (in C): 97, Maximum Graphics Card Power (W): 75, Minimum System Power Requirement (W): 300; (Analog: NVIDIA® GeForce® GTX 1050Ti with 4GB GDDR5 Graphics Memory) CD ROM/DVD ROM: Tray Load BDRE Drive (Reads and Writes to Blu-Ray disks) Sound: Integrated 5.1 Wireles: 802.11ac + Bluetooth 4.2, Dual Band 2.4&5 GHz, 1x1 Keyboard: Black Wired Multi-Media Keyboard (Analog: Dell KB216) Mouse: 6 Button Laser Mouse Documentation/Disks: Safety/Environment and Regulatory Guide (English/French Multi-language) Cable: US Power Cord</p> <p>Monitor: LED-backlit LCD monitor - 27" Power Consumption (On mode): 20 W, Panel Type: IPS, Aspect Ratio: 16:09, Native Resolution: 1920 x 1080 at 60Hz, Pixel Pitch: 0.3114mm x 0.3114mm, Brightness: 250 cd/m² (typical), Contrast Ratio: 1000:1 (typical), Response Time: 5ms typical (gray to gray), Color Support: 16.7 million colors, Input Connectors: 2x HDMI 1.4, 1x Audio Line-out, Screen Coating: Low Haze with 3H hardness, Dimensions (WxDxH) - with stand: 612.7 mm x 454.6 mm x 187.1 mm, Weight: 7.86 kg, Environmental Standards: ENERGY STAR Qualified Diagonal Size: 27", Features: Arsenic-free glass and mercury-free panel, (Analog: Dell 27 Monitor S2719H)</p> <p>Operating System: Windows 10 Pro 64-bit English</p> <p>Warranty: 36 months</p> <p>Analog: Dell XPS 8930 Tower Desktop - 8th Generation Intel® Core™ i7-8700 6-Core Processor (12MB Cache, up to 4.6 GHz, 32GB Memory, 2TB SATA Hard Drive, 4GB Nvidia GeForce GTX 1050Ti, Black</p>			
11.	8-Port Desktop Gigabit Ethernet Switch	<p>8-Port Desktop Gigabit Ethernet Switch with Port-based QoS support</p> <p>System Specifications: Standard: IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX Fast Ethernet, IEEE 802.3ab 1000BASE-T Gigabit Ethernet, IEEE 802.3 Nway auto-negotiation, IEEE 802.3x full duplex operation and flow control, IEEE 802.3az Energy Efficient Ethernet Performance: Data transfer rate (half duplex/full duplex): Ethernet: 10/20 Mbps, Fast Ethernet: 100/200 Mbps, Gigabit Ethernet: 1000/2000 Mbps, MAC address table: 4K, Memory buffer: 128 KB, Switching fabric</p>	2 buc	1 009,02	As the second package of actions of SMART is related to creating, equipping and connecting the SMART_Channel, joint creative centers (SMART Caffes), this devices will be used to interconnect the all the devices to the local network.

		(non-blocking): 16 Gbps, Features: Auto-MDI/MDIX in all ports, Transmission method: Store-and-forward architecture, Port-based QoS support , Jumbo frame support up to 9 KB Hardware Specifications: Interface: Eight RJ-45 10/100/1000 Mbps Ethernet ports with auto MDI/MDIX support, QoS Ports: Two high-priority QoS ports and two medium-priority QoS ports, LED Indicator, PWR: Power, Per port: Link/Activity, Amber: 10/100 Mbps, Green: 1000 Mbps Power Supply: Input: 100V-240V AC, Output: 5V DC, 1A, Power Consumption: 3.0 watt max. Physical Specifications, Item dimensions (WxDxH): ~155 x 85 x 26 mm, Item weight: ~ 325g Environmental Specifications: Operating Environment, Temperature: 0°C to 40°C (32°F to 104°F) , Humidity: 10% to 90% (Non-condensing), Storage Environment, Temperature: -40°C to 70°C (-40°F to 158°F), Humidity: 10% to 95% (Non-condensing) Certification, CE, FCC Class B, BSMI Package Contents, Gigabit switch, Power adapter, Quick start guide Warranty: 24 months Analog: GS-108B v3 8-Port Desktop Gigabit Ethernet Switch			
12.	Magnetic Dry Wipe Whiteboard	Magnetic Dry Wipe Whiteboard/Flipchart Easel, H900xW600mm Board Dimensions: H 900 x W 600 mm, Magnetic surface, pen-tray, movable hook Warranty: 24 months Analog: VIZ-PRO Magnetic Dry Wipe Whiteboard/Flipchart Easel, H900xW600mm	1 buc	2 018,04	The flipchart has an important role in the interactive SMART training delivery.
Valoarea estimativă totală				628 518,56 lei MD fără TVA	

10. În cazul în care contractul este împărțit pe loturi un operator economic poate depune oferta (se va selecta): **pentru toate loturile**
11. Admiterea sau interzicerea ofertelor alternative: **nu se admite**
12. Termenii și condițiile de livrare/prestare/executare solicitați: **Livrarea se efectuează în decurs de o lună după semnarea contractului și înregistrarea acestuia la Agenția Achiziții Publice.**
13. Termenul de valabilitate a contractului: **31.12.2019**
14. Contract de achiziție rezervat atelierelor protejate sau că acesta poate fi executat numai în cadrul unor programe de angajare protejată (după caz): **Nu**
15. Scurta descriere a criteriilor privind eligibilitatea operatorilor economici care pot determina eliminarea acestora și a criteriilor de selecție; nivelul minim (nivelurile minime) al (ale) cerințelor eventual impuse; se menționează informațiile solicitate (DUAE, documentație):

16.			
Nr. d/o	Descrierea criteriului/cerinței	Mod de demonstrare a îndeplinirii criteriului/cerinței:	Nivelul minim/Obligativitatea

1.	Formularul standard al Documentului Unic de Achiziții European	Original confirmat prin aplicarea ștampilei și semnăturii Participantului.	DA
2.	Formularul ofertei completată în conformitate cu Formularul (F 3.1)	- în original, cu ștampila și semnătura Participantului;	DA
3.	Specificații tehnice completată în conformitate cu Formularul (F 4.1)	- în original, cu ștampila și semnătura Participantului;	DA
4.	Specificații de preț completată în conformitate cu Formularul (F 4.2)	- în original, cu ștampila și semnătura Participantului;	DA
5.	Certificatul de înregistrare	- Copie cu semnătura și ștampila participantului	DA
6.	Certificatul inspectoratului Fiscal lipsa datoriilor	- Copie cu semnătura și ștampila participantului	DA
7.	Garanția p-u oferta 2%	- Emisa de către banca sau transferată pe contul universității: Plata prin transfer se va efectua în adresa <i>Universității Agrare de Stat din Moldova</i> , cu nota "Garanția pentru ofertă la procedura de achiziție nr. _____ din _____", conform următoarelor detalii: (a) beneficiarul plății <i>Universitatea Agrară de Stat din Moldova</i> ; (b) datele bancare <i>BC "Moldova-Agroindbank" SA, fil M. Costin</i> ; (c) codul fiscal 1007600002710; (d) contul de decontare MD36AG000000022512442426; (f) contul bancar AGRNMD2X710;	DA
8.	Garanția pentru execuție a contractului de 5%	- Emisa de către banca sau transferată pe contul universității: Plata prin transfer se va efectua în adresa <i>Universității Agrare de Stat din Moldova</i> , cu nota "Garanția pentru ofertă la procedura de achiziție nr. _____ din _____", conform următoarelor detalii: (a) beneficiarul plății <i>Universitatea Agrară de Stat din Moldova</i> ; (b) datele bancare <i>BC "Moldova-Agroindbank" SA, fil M. Costin</i> ; (c) codul fiscal 1007600002710; (d) contul de decontare MD36AG000000022512442426; (f) contul bancar AGRNMD2X710;	DA
9.	Date despre participant	- Cu semnătura și ștampila participantului	DA
10.	Minim ani de experiență specifică în livrarea bunurilor și/sau serviciilor similare	- Ofertantul va avea minim 3 ani de experiență	DA

11.	Termenul de garanție minim 3 ani	- cu semnătura și ștampila participantului	DA
12.	Certificat de confirmare a calității	- cu semnătura și ștampila participantului	DA
13.	Notă 1	HOTĂRÎREA nr. 246 din 08.04.2010 cu privire la modul de aplicare a cotei zero a TVA la livrările de mărfuri, servicii efectuate pe teritoriul țării și de acordare a facilităților fiscale și vamale pentru proiectele de asistență tehnică și investițională în derulare, care cad sub incidența tratatelor internaționale la care Republica Moldova este parte, se exclude aplicarea TVA. (585620-EPP-1-2017-1-EL-EPPKA2-CBHE-JP Fostering universityenterprise cooperation and entrepreneurship of students via SMART Caffes/SMART, Erasmus+ program / Promovarea cooperării universitate-întreprindere și antreprenariat a studenților prin intermediul Smart Caffes (SMART)/ din cadrul programului ERASMUS +). 29370	
14.	Notă 2	Plata pentru echipament în întregime se va face în rate. Prima parte (rată) 40% a plății se efectuează în termen de 5 (cinci) zile bancare de la data aprobării listei de bunuri, lucrări și servicii furnizate pentru implementarea proiectului de asistență tehnică internațională în cadrul programului Erasmus + (KA 2, 585620-EPP-1-2017-1-EL-EPPKA2-CBHE-JP) și semnării contractului între UASM și furnizor; A doua parte (rată) 50 % a plății va fi efectuată în termen de 5 (cinci) zile bancare de la momentul primirii următoarei tranșe de fonduri în cadrul programului internațional de asistență tehnică în cadrul programului Erasmus + (KA 2, 585620-EPP-1-2017-1-EL-EPPKA2-CBHE-JP).	

17. Motivul recurgerii la procedura accelerată (în cazul licitației deschise, restrânse și al procedurii negociate), după caz : **nu se aplică**
18. Tehnici și instrumente specifice de atribuire (dacă este cazul specificați dacă se va utiliza acordul-cadru, sistemul dinamic de achiziție sau licitația electronică): **nu se aplică**
19. Condiții speciale de care depinde îndeplinirea contractului (indicați după caz): **nu se aplică**
20. Criteriul de evaluare aplicat pentru adjudecarea contractului: **Corespunderea tuturor cerințelor tehnice pe poziții și prețul cel mai scăzut.**
21. Factorii de evaluare a ofertei celei mai avantajoase din punct de vedere economic, precum și ponderile lor: **nu se aplică**
22. Termenul limită de depunere/deschidere a ofertelor:
- până la: **Conform informației din SIA RSAP "MTender"**
 - pe: [data]: **Conform informației din SIA RSAP "MTender"**
23. Adresa la care trebuie transmise ofertele sau cererile de participare:
Ofertele sau cererile de participare vor fi depuse electronic prin intermediul SIA RSAP
24. Termenul de valabilitate a ofertelor: **60 zile**
25. Locul deschiderii ofertelor: **SIA RSAP "MTender"**

Ofertele întârziate vor fi respinse.

26. Persoanele autorizate să asiste la deschiderea ofertelor:
Ofertanții sau reprezentanții acestora au dreptul să participe la deschiderea ofertelor, cu excepția cazului când ofertele au fost depuse prin SIA "RSAP".
27. Limba sau limbile în care trebuie redactate ofertele sau cererile de participare: **Limba de Stat**
28. Respectivul contract se referă la un proiect și/sau program finanțat din fonduri ale Uniunii Europene: **DA**
Proiectul „ Fostering university-enterprise cooperation and entrepreneurship of students via smart cafes - SMART ” nr. 585620-EPP-1-2017-1- EL-EPPKA2-CBHE-JP
29. Denumirea și adresa organismului competent de soluționare a contestațiilor:
Agencia Națională pentru Soluționarea Contestațiilor
Adresa: mun. Chișinău, bd. Ștefan cel Mare și Sfânt nr.124 (et.4), MD 2001;
Tel/Fax/email: 022-820 652, 022 820-651, contestatii@ansc.md
30. Data (datele) și referința (referințele) publicărilor anterioare în Jurnalul Oficial al Uniunii Europene privind contractul (contractele) la care se referă anunțul respective (dacă este cazul): **NU**
31. În cazul achizițiilor periodice, calendarul estimat pentru publicarea anunțurilor viitoare: **NU**
32. Data publicării anunțului de intenție sau, după caz, precizarea că nu a fost publicat un astfel de anunț:
33. Data transmiterii spre publicare a anunțului de participare: **Conform informației din SIA RSAP "MTender"**
34. În cadrul procedurii de achiziție publică se va utiliza/accepta:

Denumirea instrumentului electronic	Se va utiliza/accepta sau nu
depunerea electronică a ofertelor sau a cererilor de participare	da
sistemul de comenzi electronice	nu
facturarea electronică	da
plățile electronice	nu

35. Contractul intră sub incidența Acordului privind achizițiile guvernamentale al Organizației Mondiale a Comerțului (numai în cazul anunțurilor transmise spre publicare în Jurnalul Oficial al Uniunii Europene): **NU**
36. Alte informații relevante: **NU**

Conducătorul grupului de lucru
Prim-prorector



L.Ș.

MELNIC Iurie