

Specificații tehnice (F4.1)

Numărul licitației:	ocds-b3wdp1-MD-1585334267683 Autoritatea contractată – <u>Universitatea de Stat din Tiraspol</u>	Data: 10 aprilie 2020	Alternativa nr.: _____
Denumirea licitației:	Echipament informatic si accesorii de birou, cu exceptia mobilierului si a pachetelor software.	Lot: 2	Pagina: 1 din 7

	Cod CPV	Denumirea bunurilor și/sau a serviciilor	Modelul articolului	Țara de origine	Produ-cătorul	Specificarea tehnică deplină solicitată de către autoritatea contractantă	Specificarea tehnică deplină propusă de către ofertant	Standarde de referință
	1	2	3	4	5	6	7	8
Lotul 2. Echipament informatic pentru laboratorul de Robotică								
2.1	30200000-1	Set de robotică	CodeyRocky SKU: P1030024	CN	Makeblock	Programming Educational Robot Material: Master Chip: ESP32 Transmission Method: Wi-fi/BT/USB Control Platform: MacOS/Windows/Linux/Chrome OS/IOS Battery: 3.7V 950mAh Lithium Battery Use Time: More Than 2 Hours Support Programming Languages: Graphical Programming: Scratch 3.0; Text Programming: Python Support Software: mBlock5 PC and Mobile, and Makeblock APP Package Informations: Package Included: 1 x Robot Controller 1 x Robot Chassis 1 x Micro Usb Cable 1 x Lanyard (1 x BT Version: BT Adapter) 1 x Set of Color Card (Makeblock Codey Rocky Programming Smart Educational bluetooth WiFi Robot Entry Level Programming for Children Stem Education sau echivalent).	Codey Rocky Smart Robot for Beginner Coding and AI Learning Age 6+ Main Control Board/ Chip ESP32 Chip Programmable Modules LED Display, Speaker, RGB LED Indicator, Buttons, Gear Knob, Voice Sensor, Light Sensor, 6-axis Gyroscope and Accelerometer, IR Transmitter, IR Receiver, Color Infrared Sensor, DC Geared Motor Intelligent functionalities Follow lines, intelligent avoidance of obstacles, automatic anti-drop adjustment, color recognition, somatosensory remote control, infrared communication AI ready Yes IoT ready Yes Connectivity Bluetooth / Wi-Fi / USB Compatibility Compatible with Makeblock Neuron and and other building bricks Power Supply 3.7V 950mAh Lithium Battery Dimensions 102 × 95.4 × 103 mm (L × W × H) Weight 295g	
2.2	30200000-1	Set kit pentru Arduino	The Most Complete UNO Starter Kit	CN	Arduino	Starter Kit for Arduino Product Description 5V stepper motor 1 5V stepper motor driver board a 1602LCD screen a Tri-color SMD 1	The Most Complete UNO Starter Kit UNO R3 Project Packet listing: 25pcs LED (white,yellow,blue,red,green) 1pcs RGB LED 10pcs Ceramic Capacitor(22pf & 104pf)	

					Big button 10 Plug-in rushing (green bread plate) 1 Level 1 Bread Line * 651 Small button 5 Infrared receiver element 1 LM35 element 1 Fire element 1 Mercury element 1 The photosensitive member 1 RFID red plate 1 Key 1 1 * 8 pin 1 5K adjustable potentiometer 1 HHC small motor 1 SR04 Ultrasonic 1 Four digital tube 1 A digital tube 2 8 * 8 dot matrix 1 F5 LED White 6 F5 LED yellow 10 F5 LED Green 10 F5 LED red 10 Black rocker 1 F UNO R3 1 White card 1 USB cable 1 Active buzzer element 1 Passive buzzer element 1 10K adjustable potentiometer 1 MAX7219 IC 1 9 g servos 1 Single 5V relay 1 1 * 40 straight needle 1 1 * 40 looper 1 Female-female DuPont line 10 / row 1 830 holes Breadboard 1 6 on the 5th battery box 1 5951C 1 4 * 4 membrane keys 1 1K 5 10K 5 220R 8 (Starter Kit for Arduino Uno R3 - Uno R3 Breadboard and holder Step Motor / Servo /1602 LCD / jumper Wire/ UNO R3)	2pcs Photoresistor 1pcs Thermistor 5pcs Diode Rectifier (1N4007) 4pcs Electrolytic Capacitor (10UF 50V & 100UF 50V) 10pcs NPN Transistor (PN2222 & S8050) 1pcs Tilt Switch 5pcs Button (small) 1pcs 1 digit 7-segment Display 1pcs 4 digit 7-segment Display 1pcs Sound Sensor Module 1pcs LCD1602 Blue Backlight with Soldering 1pcs IC L293D 1pcs IC 74HC595 1pcs Active Buzzer 1pcs Passive Buzzer 1pcs RTC Module 1pcs DHT11 Temperature and Humidity Module 2pcs Potentiometer 1pcs Rotary Encoder Module 1pcs Joystick Module 1pcs Keypad Module 1pcs 5V Relay 1pcs IR Receiver Module 1pcs UNO R3 Controller Board 1pcs Breadboard 1pcs Servo Motor (SG90) 1pcs Stepper Motor 1pcs ULN2003 Stepper Motor Driver Board 1pcs Prototype Expansion 1pcs MB102 Breadboard Power Supply Module 3.3V 5V 1pcs HC-SR501 PIR Motion Sensor Green 1pcs Ultrasonic Sensor 1pcs GY-521 MUP6050 Module (with soldering) 1pcs 3V DC Motor with wire 1pcs MAX7219 Module with cable 1pcs Remote Contorl(No Battery) 1pcs 9V 1A EU Plug Adapter 1pcs 65 Jumper Wire 1pcs Rain Water Lever Detection Sensor 1pcs USB Cable 1pcs 9V Battery with DC 1pcs RC522 RFID Module 120pcs Resistor (10R/100R/220R/330R/1K/2K/5K1/10K/100K/1M) 20pcs Female-to-male Dupont Wire	
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2.3	30200000-1	Robot Hamster	MISP-CRM-RXR-HAM	Korea	Hamster	Hamster Robot - Hamster + dongle + charging cable	Hamster Robot - Hamster + dongle + charging cable Culoare la alegere	
2.4	30200000-1	Set labirint pentru robot Hamster	Maze for hamster	Korea	Hamster	Maze set (4 floor sheets + 16 walls)	Maze set (4 floor sheets + 16 walls)	
2.5	30200000-1	Kit de extensii pentru un robot Hamster	Extension Kit	Korea	Hamster	Extension kit for a Hamster robot	Extension kit for a Hamster robot	
2.6	30200000-1	Bloc de acoperire pentru robot Hamster	Block Cover	Korea	Hamster	Block cover for a Hamster robot	Block cover for a Hamster robot	
2.7	30200000-1	Set labirint pentru blocul de acoperire pentru un robot Hamster	Maze Solver Cover	Korea	Hamster	Maze solver cover for a Hamster robot	Maze solver cover for a Hamster robot	
2.8	30200000-1	Scanner 3D	3D Scanner Pro SKU: 3SH1AX	CN	XYZprinting/Davinci	3D scanner pro 3.93 - 27.55 inch operating range with the wide scanning distance of 5.9 - 9.84 inch, and the quality resolution of 640 x 480 at 30Fps Max Scan Volume: 39.3 x 39.3 x 78.7 inches. Min Scan Volume: 2 x 2 x 2 inches. Scanning Distance: 5.9-9.84 inches. Operating Range: 3.93-27.55 inches. Scan Resolution: 1.0-2.5 mm. Image Size: 640 x 480 at 30 fps (XYZprinting Full Color Handheld 3D Scanner 1.0 Pro sau echivalent).	XYZprinting 3D Scanner Pro Specs Scan Engine Intel Real Sense Camera Maximum Scan Volume Head Mode: 39.88 x 24.99 x 39.88 cm Object Mode: 59.9 x 59.9 x 30.0 cm Body Mode: 99.8 x 99.8 x 199.9 cm Minimum Scan Volume 5.1 x 5.1 x 5.1 cm Scan Resolution 1.0-2.5 mm Depth Image Size 640 x 480 @ 30 fps Color Image Size 640 x 480 @ 30 fps Operating Range Head, Object, and Full Body Modes: 3.93 x 27.55" / 9.98 x 69.98 cm Data Interface USB 3.0 Software Output File Types XYZScan Handy / STL, OBJ, and PLY Operating System Windows 8.1 (64-bit) and above Hardware Minimum Hardware Requirements 4th Generation Intel Core i5 CPU	

							4 GB RAM (8 GB Recommended) NVIDIA GeForce GTX 750Ti with 2GB VRAM (or above, for desktops) NVIDIA GeForce GTX GTX 840m with 2GB VRAM (or above, for laptops) Dimensions & Weight Dimensions 4.06 x 15.7 x 6.1 cm Weight 8.4 oz / 238.0 g	
2.9	30200000-1	Cameră video	ONE X SKU: CINONEX	CN	Insta360	Action Camera, image quality - 5. 7K resolution, 360 Degree videos, 18MP shots Flow state stabilization - flow state is as smooth as it gets. Drift shots - snap into the drifter accessory and let your camera take flight. Airborne slow-mo. From a camera that shoots in every direction at once. Wi-fi preview and transfer - Shoot and transfer in a snap. 50MB/s Cable transfer and 5 GHz high-speed Wi-Fi transfer.Video Bitrate: Up to 120Mbps Time shift - Highlight key moments with cinematic slow-mo., or speed things up with a stabilized Hyper lapse. All in the app. Compatible devices: iPhone XS, iPhone XS Max, iPhone XR, iPhone X, iPhone8/8 plus, iPhone 7/7 plus, iPhone 6s/6s plus, iPhone SE iPad Pro, iPad (2018), HUAWEI: P20 Pro/P10/P9/Mate 9/Mate 10/Honor 9, Samsung: S9/Note 8/S8/S7/S7 Edge, XIAOMI: Mix/Mix2/Note3/6/8, OnePlus: 5t, Google : Pixel/Pixel 2, Vivo: X9Plus L, OPPO: R11 (Insta360 ONE X 360 Action Camera, 5.7K Video and 18MP Photos, with Flowstate Stabilization, Real Time WiFi Transfer (SD Card Sold Independently, V30 MicroSDXC is Required) sau echivalent).	Action Camera, image quality - 5. 7K resolution, 360 Degree videos, 18MP shots Flow state stabilization - flow state is as smooth as it gets. Drift shots - snap into the drifter accessory and let your camera take flight. Airborne slow-mo. From a camera that shoots in every direction at once. Wi-fi preview and transfer - Shoot and transfer in a snap. 50MB/s Cable transfer and 5 GHz high-speed Wi-Fi transfer.Video Bitrate: Up to 120Mbps Time shift - Highlight key moments with cinematic slow-mo., or speed things up with a stabilized Hyper lapse. All in the app. Compatible devices: iPhone XS, iPhone XS Max, iPhone XR, iPhone X, iPhone8/8 plus, iPhone 7/7 plus, iPhone 6s/6s plus, iPhone SE iPad Pro, iPad (2018), HUAWEI: P20 Pro/P10/P9/Mate 9/Mate 10/Honor 9, Samsung: S9/Note 8/S8/S7/S7 Edge, XIAOMI: Mix/Mix2/Note3/6/8, OnePlus: 5t, Google : Pixel/Pixel 2, Vivo: X9Plus L, OPPO: R11 (Insta360 ONE X 360 Action Camera, 5.7K Video and 18MP Photos, with Flowstate Stabilization, Real Time WiFi Transfer (SD Card Sold Independently, V30 MicroSDXC is Required) sau echivalent).	
2.10	30200000-1	Ochelari digitali 3D	Z6	CN	BOBOVR	3D Glasses Virtual Reality Headset Lens / Transmittance: 42mm diameter aspherical optical resin lens (supports myopia under 600 degrees below the naked eye) Cushioning Material:Artificial leather Wide angle of view:110 degrees	Size 140*181*115mm (After folding) Weight N.G. 420 g(include earphone,headband) Support myopia under 600 degrees Body craft Leather+Skin-friendly foam Lens 52mm Hyperboloid lens Power/ Charging DC 5.0V±0.3V. Micro USB port	

						Support mobile phone:4.7-6 inch / Android WIN IOS system Headphone plug type:in-line type (removable) Headband:Independently mounted and adjustable elastic headband Function button:volume (addition and subtraction) and playback pause, answer the call (3D Glasses Virtual Reality Headset for 4.7-6.0 Inches Smart Phones Goggles with Gamepad sau echivalent).	Battery 3.7V lithium polymer battery, 350mA/H Working time About 25 hours Protocol A2DP、AVRCP、HFP、HSP Compatible Phone Over Android 4.4、IOS 8 With bluetooth Gamepad Colour: White or Black	
2.11	30200000-1	Ochelari digitali educațional 3D	Z6	CN	BOBOVR	VR Glass Virtual Reality Headset w/Remote & Headphone for iPhone 11 Pro XS XR X 8 7 6 S +, (Samsung Galaxy S10 E S9 S8 S7 S6 Edge, 3D VR Goggle for 3D Movie & Game for iOS & Android Smartphone, Black sau echivalent).	Size 140*181*115mm (After folding) Weight N.G. 420 g(include earphone,headband) Support myopia under 600 degrees Body craft Leather+Skin-friendly foam Lens 52mm Hyperboloid lens Power/ Charging DC 5.0V±0.3V, Micro USB port Battery 3.7V lithium polymer battery, 350mA/H Working time About 25 hours Protocol A2DP、AVRCP、HFP、HSP Compatible Phone Over Android 4.4、IOS 8 With remote BT controller Colour: White or Black.	
2.12	30200000-1	Stabilizator pentru smartphone și cameră video	OSMO Mobile 2 SKU: OM170	CN	DJI	3 Axis Stabilizer for Smartphone and Action Camera, Compatible with GoPro, Dedicated Application, BlackStabilization System 3 axis Maximum payload 200g Tilting angle 325° Rolling angle 180° Panning angle 320° Bluetooth Yes Vertical shooting Yes Operating modes Pan & Tilt mode (Default mode), Pan Following mode, Lock mode Through APP, with upgrade failure protection Operating time min to 11 hours Battery min. 4400mAh (TELLUR 3 Axis Gimbal Stabilizer for Smartphone and Action Camera, Compatible with GoPro, Dedicated Application, Black sau echivalent)	General Dimensions 295×113×72 mm Weight 485g Model OM170 Compatible Phones Weight: ≤240 g Thickness: ≤8.9 mm Width: 58.6 - 85 mm Gimbal Consumption 1.2 W * Under ideal conditions with the gimbal fully balanced. Controllable Range Pan: ±160° Tilt: ±155° (landscape orientation) Mechanical Range Pan: ±170° Roll: -90° to +70° Tilt: ±170° Max Controllable Speed 120°/s App DJI GO 3 Battery Type 18650 Li-ion Capacity 2600 mAh Energy 18 Wh Voltage 7.2 V Charging Temperature 5 - 40°C Operating Temperature 0 - 40°C Operating Time 15 hrs * Under ideal conditions with the gimbal fully balanced. Charging Time 2 hrs * Measured with a 10W charger. Wireless Model Bluetooth Low Energy 4.0	
2.13	30200000-1	Pachet creion pentru 3D play	3D play	CN	Polaroid	Pachet creion pentru desenat obiecte 3D Smart Level, alb/albastru + 3 filamente colorate	Pachet creion pentru desenat obiecte 3D Smart Level, negru/ albastru + 4 filamente colorate https://www.polaroid3d.com/en/play-2/	

		desenarea obiectelor 3D	SKU: 3D-FP-PL- 2000-100					
2.14	30200000-1	Dronă educațională programabilă	CoDrone Pro	CN	Robolink	Programmable drone designed to teach programming. Smart Inventor board (Arduino-compatible circuit board) 1 Lipo Battery USB Cable & Battery Charger Bluetooth Module (Robolink CoDrone Pro - Programmable and Educational Drone Kit sau echivalent).	Programmable drone designed to teach programming. Smart Inventor board (Arduino-compatible circuit board) 1 Lipo Battery USB Cable & Battery Charger Bluetooth Module (Robolink CoDrone Pro - Programmable and Educational Drone Kit). https://shop.robolink.com/products/codrone	
2.15	30200000-1	Dronă educațională cu accesorii incluse	Tello Drone Quadcopter Boost Bundle with 3 batteries, charging hub, & GameSir T1, & default accessories.	CN	DJI	Drone Quadcopter Built-in Functions: Range Finder, Barometer, LED, Vision System, 2.4 GHz 802.11n Wi-Fi, 720p Live View Port: Micro USB Charging Port Flight Distance: 100m Speed: 8m/s Flight Time: 13min Flight Height: 30m Camera Photo: 5MP (2592x1936) FOV: 82.6° Video: HD720P30 Format: JPG(Photo); MP4(Video) EIS: Yes (Tello Drone Quadcopter Boost Combo Bundle with 3 Batteries, Charging Hub, GameSir T1 Remote Controller and Must Have Accessories (5 Items) sau echivalent).	Drone Quadcopter Built-in Functions: Range Finder, Barometer, LED, Vision System, 2.4 GHz 802.11n Wi-Fi, 720p Live View Port: Micro USB Charging Port Flight Distance: 100m Speed: 8m/s Flight Time: 13min Flight Height: 30m Camera Photo: 5MP (2592x1936) FOV: 82.6° Video: HD720P30 Format: JPG(Photo); MP4(Video) EIS: Yes (Tello Drone Quadcopter Boost Combo Bundle with 3 Batteries, Charging Hub, GameSir T1 Remote Controller and Must Have Accessories (5 Items)	
2.16	30200000-1	Set robot educațional	Sillbird 12-in-1 Solar ROBOT Toys	CN	STEM	12-in-1 Education Solar Robot Toys-190 Pieces Building Science Experiment Kit for kids Aged 8-10+, Solar Powered by the Sun. (Sillbird STEM 12-in-1 Education Solar Robot Toys-190 Pieces DIY Building Science Experiment Kit for kids Aged 8-10+,Solar Powered by the Sun sau echivalent)	12-in-1 Education Solar Robot Toys-190 Pieces Building Science Experiment Kit for kids Aged 8-10+, Solar Powered by the Sun. (Sillbird STEM 12-in-1 Education Solar Robot Toys-190 Pieces DIY Building Science Experiment Kit for kids Aged 8-10+,Solar Powered by the Sun https://www.robotopicks.com/robot-toy-reviews/sillbird-12in1-robot-review/	
2.17	30200000-1	Set robot educațional	Ultimate 2.0	CN	Makeblock	Robot Kit - Premium Quality - 10-in-1 Robot - STEM Education - Arduino - Scratch 2.0 - Programmable Robot Kit for Kids to Learn Coding, Robotics and Electronics (Makeblock DIY Ultimate Robot Kit - Premium Quality - 10-in-1 Robot - STEM Education - Arduino - Scratch	Robot Kit - Premium Quality - 10-in-1 Robot - STEM Education - Arduino - Scratch 2.0 - Programmable Robot Kit for Kids to Learn Coding, Robotics and Electronics (Makeblock DIY Ultimate Robot Kit - Premium Quality - 10-in-1 Robot - STEM Education - Arduino - Scratch 2.0 - Programmable Robot Kit for Kids to Learn Coding, Robotics and Electronics	

						2.0 - Programmable Robot Kit for Kids to Learn Coding, Robotics and Electronics sau echivalent)	https://www.makeblock.com/steam-kits/mbot-ultimate-2#Specifications	
2.18	30200000-1	Robot humanoid inteligent.	Alpha 1P	CN	UBTECH	Robot Kit, 10-in-1 Robot, Programmable Robot Kit for Kids to Learn Coding Alpha 1S App to control robot (iOS and Android) via Bluetooth 4.0 This product is for Ages 12+ (UBTECH Alpha 1S Intelligent Humanoid Robotic (White) sau echivalent)	UBTECH Alpha 1P https://www.ubtrobot.com/products/alpha-1p?ls=en <i>Nota- Alpha 1S – este EOL – end of life- deja nu este disponibil, insa dupa specificatii Alpha 1P e practic identic.</i>	

Semnat: _____

Numele, Prenumele: Conicov Mihail,

În calitate de: manager în activitate comercială

Compania: NeoMATRIX SRL

Adresa: mun. Chișinău, 31 august 1989, #121

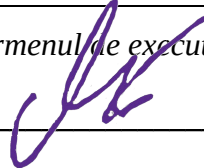


Specificații de preț (F4.2)

Numărul licitației: ocds-b3wdp1-MD-1585334267683 Autoritatea contractată – <u>Universitatea de Stat din Tiraspol</u>	Data: 10 aprilie 2020	Alternativa nr.:
Denumirea licitației: Echipament informatic si accesorii de birou, cu exceptia mobilierului si a pachetelor software.	Lot: 1	Pagina: 1 din 1

Nr	Cod CPV	Denumirea bunurilor și/sau a serviciilor	Unit. de măsur.	Cantitatea	Preț unitar fără TVA	Preț unitar Incl. TVA	Suma fără TVA	Suma Incl. TVA	Termenul de livrare/prestare	
1	2	3	4	5	6	7	8	9		
2.1	30200000-1	Set de robotică	set	1	3 000,00	3 600,00	3 000,00	3 600,00	30 de zile	-
2.2	30200000-1	Set kit pentru Arduino	set	2	1 400,00	1 680,00	2 800,00	3 360,00	30 de zile	-
2.3	30200000-1	Robot Hamster	set	3	3 000,00	3 600,00	9 000,00	10 800,00	30 de zile	-
2.4	30200000-1	Set labirint pentru robot Hamster	set	3	1 800,00	2 160,00	5 400,00	6 480,00	30 de zile	-
2.5	30200000-1	Kit de extensii pentru un robot Hamster	set	4	775,00	930,00	3 100,00	3 720,00	30 de zile	-
2.6	30200000-1	Bloc de acoperire pentru robot Hamster	set	3	600,00	720,00	1 800,00	2 160,00	30 de zile	-
2.7	30200000-1	Set labirint pentru blocul de acoperire pentru un robot Hamster	set	3	700,00	840,00	2 100,00	2 520,00	30 de zile	-
2.8	30200000-1	Scanner 3D	buc	1	6 600,00	7 920,00	6 600,00	7 920,00	30 de zile	-
2.9	30200000-1	Camăra video	buc	1	9 900,00	11 880,00	9 900,00	11 880,00	30 de zile	-
2.10	30200000-1	Ochelari digitali 3D	set	1	2 000,00	2 400,00	2 000,00	2 400,00	30 de zile	-
2.11	30200000-1	Ochelari digitali educaționali 3D	set	1	1 700,00	2 040,00	1 700,00	2 040,00	30 de zile	-
2.12	30200000-1	Stabilizator pentru smartphone și cameră video	buc	1	3 600,00	4 320,00	3 600,00	4 320,00	30 de zile	-
2.13	30200000-1	Pachet creion pentru desenarea obiectelor 3D	set	1	1 800,00	2 160,00	1 800,00	2 160,00	30 de zile	-
2.14	30200000-1	Dronă educațională programabilă	set	1	4 900,00	5 880,00	4 900,00	5 880,00	30 de zile	-
2.15	30200000-1	Dronă educațională cu accesorii incluse	set	1	5 000,00	6 000,00	5 000,00	6 000,00	30 de zile	-
2.16	30200000-1	Set robot educațional	set	5	900,00	1 080,00	4 500,00	5 400,00	30 de zile	-
2.17	30200000-1	Set robot educațional	set	1	10 000,00	12 000,00	10 000,00	12 000,00	30 de zile	-
2.18	30200000-1	Robot humanoid inteligent.	set	1	18 000,00	21 600,00	18 000,00	21 600,00	30 de zile	-
Total Lotul 2							95200	114240		

- Termenul de executare a contractului – 30 zile din data înregistrării la MF Trezorerie.

Semnat:  Numele, Prenumele: Conicov Mihail, În calitate de: manager în activitate comercială

Ofertantul: NeoMATRIX SRL Adresa: mun. Chișinău, 31 august 1989, #121



