



TEAVET project Technical Specification

1. Desktop computer

Minimal technical characteristics	
Min Proc. Rating According to: cpubenchmark.net:	5500 points
“RAM”:	4 GB, min. DDR4 2400 MHz, Non-ECC
“HDD Size”	1 TB
“HDD Speed”:	7200 RPM SATA 6.0 Gb/s
“Disk Subsystem Controller”:	Serial ATA 3.0 Gb/s
“Graphics”:	HD Integrated
“Media Device”:	min. (2) Ports (VGA/DVI/HDMI/DP)
“Slots”:	DVD+/-RW
Communication and management	
“Ports”:	Min. (6) USB : a. min (2) USB Para b. min (2) USB -3.0, (1) RJ-45, (2) Microphone, (1) Headphone, (2) PS/2
“Networking”:	(1) 10/100/1000 LAN Integrated Gigabit Ethernet Port
“Sound”:	Integrated Sound Card
“Preinstalled Licensed O. S.”:	OEM Windows 10 64-bit Professional
“Keyboard”:	Standard Keyboard QWERTY
“Mouse”:	Minimum 3 Button Scroll Optical
“Power Supply”:	220 V AC, 50 Hz
Accessories	
“Power Cord”:	yes, European
MONITOR	
“Type”:	LCD OSE LED the same brand with computer
“Size”:	21”
“Native Resolution”:	1920 x 1080 at 60 Hz
“Constrast Ratio Static”:	1000:1
“Display Port”:	1) VGA and at least (1) of the Ports DVI/HDMI/DP
“Response Time”:	≤ 8 ms
“Energy Efficiency”:	Energy Star





“Power Supply”:	220 AC, 50 Hz
WARRANTY	
“Warranty”:	2 years

2. Projector

Minimal technical characteristics	
“Type”:	DLP or LED or LCD or Equivalent
“Brightness”:	≥ 3600 ANSI Lumen
“Resolution”:	XGA 1024 x 768
“Video Compatibility”:	NTSC/PAL
"Lamp Life":	4000 hours, Standard
“Contrast Ratio”:	5 000 : 1
“Lens Adjusting”:	Factor 1 – 2x , Zoom Manual, Focus Manual
COMMUNICATION & MANAGEMENT	
“Input Terminal”:	Min. (1) VGA (1) HDMI, (1) COMPOSITE, (1) USB 2.0, (1) Audio in
ACCESSORIES	
“Power Cord”:	Yes , European
“Remote Control”:	Yes
"Included Cords":	(1) VGA – VGA (1) HDMI – HDMI,; cables min of length 3 m
"CD User Manual":	yes
“Carrying Bag”:	yes
WARRANTY	
Warranty	2 years

3. Laptop

Minimal technical characteristics	
Min Proc. Rating according to: cpubenchmark.net:	4000 Pikë



“Chipset”:	Intel or equivalent
“RAM”:	4 GB, min. DDR4 2133 MHz
“HDD Size”:	1 TB
“HDD Speed”:	5400 RPM SATA
“Graphics”:	HD Integrated
“Media Device”:	DVD+/-RW DL Internal or External (the same brand of Laptop, Memory Card Reader
“Display”:	15.6" HD 1366 x 768, Anti Glare
“Battery”:	Min. 45 Wh
COMMUNICATION & MANAGEMENT	
“Ports”:	(1) port USB 2.0, (1) port US 3.0, (1) port USB 3.1 Tipi-C, (1) port HDMI,(1) Port Ethernet (RJ45), (1) Audio socket for 3.5 mm jack
“Networking”:	10/100/1000 Mbps LAN (RJ-45); Wireless 802.11ac, Bluetooth min. V4.1;
“Audio”:	Audio boxes, Microphone
“Preinstalled Licensed O. S.”:	OEM Windows 10 64-bit Professional
“Keyboard”:	QWERTY
“Pointing Device”:	Touch Pad
ACCESSORIES	
“Power Cord”:	Yes, European
“Recharger”:	Yes
WARRANTY	
“Warranty”:	2 years

4. Web Server

Minimal technical characteristics	
Min Proc. Rating According to: cpubenchmark.net:	8300 points
“RAM”:	Min. 16 GB DDR4 RAM ECC (2400 MHz)
Hard Disk	≥ 2 pcs SSD
“SSD”:	256 GB SSD
Raid Controller	Raid 0, Raid 1
“Media Device”:	DVD+/-RW with Dual Layer DVD+R writer. Capacity
“Slots”:	Min. (4) PCI/PCI-E from which min. (2) PCI-E x8



COMMUNICATION & MANAGEMENT	
Communication “Ports”:	Min. (5) USB 2.0, (5) USB 3.0, (1) serial port RS-232-C, (2) Port Ethernet (RJ45) Gb/s, (1) Graphic 15-pin from iRMC
“Networking”:	(2) 10/100/1000 LAN Integrated Gigabit Ethernet Port
WARRANTY	
“Warranty”:	2 Years

5. Hub / Switch

Minimal technical characteristics	
"Type":	Switch Gigabit non-manageable
"Number of Ethernet Ports":	24 Ports Gigabit
"Forwarding modes":	Store-and-forward
"IEEE Network Protocols":	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet ANSI/IEEE 802.3 NWay Auto-Negotiation IEEE 802.3x Flow Control
"Certification":	FCC Class A, ICES-003 Class A, CE Class A, C-Tick Class A, VCCI Class A, cUL, LVD
"Accessories Included":	Power Supply Power Adapter Quick Install Guide
WARRANTY	
“Warranty”:	2 years

6. Electrical appliances for network

14. Costs of installation and transport

9. Photocopier

Minimal technical characteristics	
“Model”:	Copier/Printer/Scanner
“Copy/Print Speed B&W A4/A3”:	≥ 30/15 ppm
“Monthly Duty Cycle”:	≥ 30 000 papers
Paper number per toner :	≥3000
“Technology”:	Laser /B&W
“Paper Trays”:	min 2



“Input Capacity min.”:	300 papers
“Duplex Copying/printing”:	Yes
“Media Sizes”:	A4 , A3
“Media Sizes”:	60-163 g/m ²
Memory:	256 Mb
“Scan Resolution”:	≥600 dpi
"Power Supply":	220 V AC, 50 Hz
“Toner”:	Starter Kit included
COMMUNICATION & MANAGEMENT	
“Interface”:	High Speed USB 2.0
“Ethernet”:	Yes
“Wireless”:	Optional, IEEE 802.11b/g/n
ACCESSORIES	
“Power Cord”:	Yes, European
Software/Drivers CD:	Yes
Warranty	
“Warranty”:	2 years or 60.000 A4 copies

17.Digital Video camera

Minimal technical characteristics	
Resolution:	HD 1920x960
Memory capacity:	≥32 GB Micro SD
Photo modality:	yes
Sensor type:	CMOS
Sensor technology:	FHD
Video resolution :	8 Mega pixel
Resolution photo:	12 Mega pixel
Characteristics	



“Face Detection”:	Yes
Stabilization :	Automatic
“Video Light”:	yes
Angle of video registration	360°
COMMUNICATION & MANAGEMENT	
“Interface”:	(1) HDMI, (1) USB, (1) Input microphone,(1) Input Power Supply
ACCESSORIES	
Lens protection	yes
Rechargeable battery	yes
User Guide	yes
USB cable	yes
WARRANTY	
“Warranty”:	2 years

12.Hard Disk

Minimal technical characteristics	
Interface:	USB 3.0(compatible with USB 2.0)
Capacity:	1 TB
“Buffer size”:	≥16 MB
“HDD Speed”:	≥ 5400 rpm
“Average Seek Time”	12 ms
Transfer speed	5.0 Gbps (USB 3.0)
ACCESSORIES	
USB connection cable	1 x USB 3.0
WARRANTY	
“Warranty”:	2 years

7.Interactive complete project Mouse mischief(10 mouse + 1 hub)

Minimal technical characteristics	
Interface :	Wireless



Mouse Type	Mouse mischief
Movement Sensor	Laser
Specific characteristics	Laser pointer, Cursor control joystick, Backlit button controls
HUB usb	
Model	10-Porta
Connector(s) B	eSATA Female
Features	Powered
USB Specification	USB 3.0
Type	Hub/Splitter Box
Connection Split/Duplication	1 : 7
WARRANTY	
“Warranty”:	2 years

11. Color laser Printer (All In One)

Minimal technical characteristics	
“Color Print Speed” A4:	≥ 18 ppm
“Monthly Duty Cycle”:	30 000 papers
“Technology”:	Laser
“Laser Cartridge Yields (up to)”	1400-page Black Ctrg., 1300-page Colour Ctrg.
“Print Quality”:	1200x1200 dpi
“Input Capacity”:	150 papers
“Media format”:	A4/A5/Envelope
Print Duplex availability	Yes
“Memory”:	≥ 128 MB
“Toner”:	Starter Kit included
COMMUNICATION & MANAGEMENT	
“Interface”:	High Speed USB 2.0
“Ethernet”:	yes
ACCESSORIES	



“Power Cord”:	yes, European
Software/Drivers CD:	yes
USB cable	yes
WARRANTY	
“Warranty”:	2 years

13. Smart Board , interactive whiteboard

Minimal technical characteristics	
Technology:	10 touch point
“Size”:	89”
Resolution:	≥ 54500x32500
Format:	16:9
Speed of tracking:	6-12 m/s
Surface:	Stainless steel, Anti-shine, scratch resistant,
Writing ways:	Fingers (touch), Pen stylus
Audio:	Min. 2 Audio boxes
Certifications :	FCC, CE, RoHS
Projector embedded :	3D Interactive
COMMUNICATION & MANAGEMENT	
Communication	(2) USB 2.0, (1) micro SD Card, (1) Mic In & Line In
Accessories :	CD Software, 4 Stylus pens, 1 Eraser, Smart pen holder tray, USB cable
WARRANTY	
“Warranty”:	2 years

14. Tablet

Minimal technical characteristics

Processor speed:	Min. 1.6 GHZ
“Processor Cores”:	Min. Quad Core
“RAM”:	Min 2 GB DDR3
“ROM Internal Memory”:	Min. 32 GB
“Removable Memory”:	Capable to support external memory card of min. 64 GB
“Sensors”:	Accelerometer Internal, GPS- Internal



“Display”:	10.1” LED FHD 1920x1200 multitouchscreen TFT
“Battery”:	Min. 7200 mAh ose min. 11 Orë Punë
“Camera”:	Front Facing min. 2 Megapixel CMOS Main Camera min. 7 Megapixel CMOS
Communication and Management	
“Ports”:	Micro USB Combo Jack 3.5 mm
“Networking”:	GSM; 3G/4G LTE Internet; Wireless 802.11ac (Kompatibël me 802.11b/g/n); Bluetooth min. V4.2;
“Preinstalled Licensed O. S.”:	Yes
ACCESSORIES	
“Recharger”:	Yes, European 220 V AC , 50 Hz
Flip Cover:	Yes
Warranty	
“Warranty”:	2 years

19. Projector (high Resolution)

Minimal technical characteristics	
“Type”:	DLP or LED or LCD or Equivalent
“Brightness”:	4000 ANSI Lumen
“Resolution”:	HD 1280 x 720
“Video Compatibility”:	NTSC/PAL
"Lamp Life":	5000 hours, Standard
“Contrast Ratio”:	20 000 : 1
“Lens Adjusting”:	Factor 1 – 2x, Zoom Manual, Focus Manual
COMMUNICATION & MANAGEMENT	
“Ports”:	(1) VGA, (2) HDMI, (1) Composite Video, (1) USB 2.0, (1) Audio Line In, (1) Audio Line Out
ACCESSORIES	



“Power Cord”:	Yes, European
“Remote Control”:	Yes
"Included Cords":	(1) VGA – VGA or (1) HDMI – HDMI, (1) RCA – RCA or (1) S-Video; cables length min. 3 m
"CD User Manual":	Yes
“Carrying Bag”:	Yes
WARRANTY	
“Warranty”:	2 years

20. Audio Boxes + mixer+ Wireless microphones

Minimal technical characteristics	
Input:	60 W
Answer Frequency :	80 -20 000 Hz
Sensitivity	90 dB
Water Resistant :	IP-X4
Cable type:	Cable:2-conductors (diameter- 6mm)
ACCESSORIES	



Mounting Accessories	(1) mounting screws , Kllapa montimi, (1) , (2) Rondele montuese
Amplifier	yes
Amplifier or Mixer	
Input	2x24 ,8 ohm
Power	90W / 150W / 200W IHF Dynamic Power into 8 / 4 / 2 Ohms
Mixer Specifications	<p>THD (20 Hz – 20 kHz): Signal-to-Noise Ratio: >98 dB (A-weighted, 500 mV input, ref. 1W out in 8 ohms) Clipping power: >60 W (at 1 kHz 0.1 % THD) Peak output current: >18 A (in 1 ohm, 1 ms) Damping factor: >300 (ref. 8 ohms, 20Hz to 6.5kHz) Frequency response: ±0.3 dB (20 Hz - 20 kHz) Channel separation: >75 dB (1 kHz) Input sensitivity (for 50 W in 8 ohms) Line In: 380 mV Digital In: 18% FS Supports bit rate/sample rate up to 24 bit/192 kHz Dimensions (W x H x D): 435 x 70 x 285 mm</p>
WARRANTY	
“Warranty”:	2 years

The quantity

Nr.	Item	Unit	Number
1	Audio boxes	Piece	3
2	Computer and peripheral	Piece	51
3	Didactic software	Piece	0
4	Equipment maintenance	Piece	1
5	Hard Disc	Piece	4
6	Hub	Piece	4
7	Interactive Kit Mouse mischief(10 mouse + 1 hub)	Kit	4
8	Laptops	Piece	59
9	Network and electrical equipment's	Piece	2



10	Photocopying machine	Piece	7
11	Printer laser (all in one) color	Piece	7
12	Server web	Piece	2
13	Smart board	Piece	5
14	Tablets only 3	Piece	6
15	Transport and installation costs	Piece	3
16	TV screen only one	Piece	0
17	Video Digital Camera 3D	Piece	1
18	Video-projector	Piece	4
19	Video-projector high resolution	Piece	4
20	Wireless microphones	Piece	3

Other requirements:

1. Invoices without VAT per university slot.
 1. USHkoder
 2. UNIEI
 3. UNIVlora
 4. KUPV
 5. UNI Sporteve
 6. UNiDurrës
 7. UniKorca
 8. UniGjirokaster
2. Certified by EU