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1. SPECIFICATIONS AND ESTIMATED BUDGET FOR DESKTOP COMPUTERS

NO	FEATURES	QUANTITY	SPECIFICATIONS	SCORE	UNIT PRICE INCLUSIVE OF 16% VAT AND 0.03% TRAINING LEVY	TOTAL
1	Processor	60	-intel Core i7 13th or 14th Gen (e.g., i7-13700 or i7-14700). -12–16 cores (8 Performance + 4–8 Efficiency) / 20–24 threads. -clock speed-Base: ~2.1–3.5 GHz	60		
2	Memory	-	-DDR4 or DDR5 -16 GB minimum (32 GB for multitasking, design, or data analysis). 3200 MHz (DDR4) or 5200 MHz+ (DDR5)	8``		
3	Hard Drive	-	At least 1TB SSD	5		
4	Video Card		Integrated Intel® HD Graphics or Equivalent AMD Radeon Graphics/Nvidia GeForce Equivalent	5		
5	Ports/Slots		1 Headphone/microphone combo; DVDRW 4x USB 3.1 1 USB 3.1 Gen 2	5		
6	Operating System		Windows 11 Pro (64-bit) Licensed	5		

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7	Audio		At least in built - High Quality quad speakers	5		
8	Display		21 Inch Full HD (1080p) 1920 x 1080 at 60 Hz 21.5 Inches Full HD Monitor, Integrated Intel UHD Graphics, HDMI with 2-Monitor support	5		
9	Warranty		At least two-year warranty on parts	5		
10	Connectivity		Gigabit Ethernet RJ45 LAN jack and Wi-Fi Adapter integrated compatibility feature enabled with USB dual band and Bluetooth 4.2	5		
11	Form Factor & Type		Tower type & Small form factorUSB-A, USB-C, Audio In/Out, Ethernet			
12	Accessories		Mouse & Keyboard	5		
13						
Total				80		

2. TECHNICAL SPECIFICATIONS FOR HIGH END LAPTOPS

NO	FEATURES	QUANTITY	SPECIFICATIONS	SCORE	UNIT PRICE INCLUSIVE OF 16% VAT AND 0.03% TRAINING LEVY	TOTAL
1	Processor	30	At least Intel® Core™ i9-13th Gen (4 Cores/6MB cache/3.9GHz) 13th Generation Processor or Ryzen 9 7945HX / 8945HX Equivalent	20		

2	Memory	-	At least32 GB DDR5 (Intel/AMD)	8		
3	Hard Drive	-	At least 1TB SSD	5		
4	Video Card		Integrated Intel® HD Graphics or AMD Radeon/Nvidia GeForce Equivalent	5		
5	Ports/Slots		-SB-A and USB-C (Thunderbolt 4 preferred) -HDMI 2.1 or DisplayPort - SD Card Reader -Ethernet - Wi-Fi 6E / 7 -Bluetooth 5.3+	5		
6	Operating System & Office		Windows 11 Pro (64-bit) Licensed	5		
7	Audio		In-built High-Quality quad speakers	5		
8	Display		13.3 Inch Full HD (1080p) 1920 x 1080 at 60 Hz as a minimum	5		
9	Camera		HD 720p Cam with privacy cover	5		
10	Weight		At least 2.92 lb	3		
11	AC Adapter		65 W AC power adapter	4		
12	Warranty		At least two-year warranty on parts	5		
13	Connectivity		WLAN: Intel® 802.11b/g/n/ac Bluetooth® 4 WI-FI 6E with Bluetooth combo (supporting Gigabit Data Rate) RJ45 Ethernet adapter	5		
14	Accessories		Laptop Bag, USB-C to HDMI/VGA/Ethernet	5		

			Multidongle Adapter & Mouse.			
15	Battery		8–18 hours	5		
Total				**80**		

3. TECHNICAL SPECIFICATIONS FOR MID RANGE LAPTOPS

NO	FEATURES	QUANTITY	SPECIFICATIONS	SCORE	UNIT PRICE INCLUSIVE OF 16% VAT AND 0.03% TRAINING LEVY	TOTAL
1	Processor	30	At least Intel® Core™ 75-12th Gen (4 Cores/6MB cache/up to 3.9 GHz) 12th Generation Processor or AMD Ryzen 5 Equivalent	30		
2	Memory	-	At least 8GB DDR4 2133MHz SDRAM	8		
3	Hard Drive	-	At least 1 TB SSD	5		
4	Video Card		Integrated Intel® HD Graphics or AMD Radeon/Nvidia GeForce Equivalent	5		
5	Ports/Slots		1 headphone/microphone combo; 2 USB 3.1 Type-C™ Gen 2 Thunderbolt™ 3; 1 USB 3.1 Gen 2	5		
6	Operating System & Office		Windows 11 Pro (64-bit) Licensed	5		
7	Audio		In-built High-Quality quad speakers	5		

8	Display		Either a 13 or 15 Inch Full HD (1080p) 1920 x 1080 at 60 Hz as a minimum	5		
9	Camera		HD 720p Cam with privacy cover	5		
10	Weight		At least 2.92 lb	3		
11	AC Adapter		65 W AC power adapter	4		
12	Warranty		At least two-year warranty on parts	5		
13	Connectivity		WLAN: Intel® 802.11b/g/n/ac Bluetooth® 4 WI-FI 6E with Bluetooth combo (supporting Gigabit Data Rate) RJ45 Ethernet adapter	5		
14	Accessories		Laptop Bag, USB-C to HDMI/VGA/Ethernet Multidongle Adapter & Mouse.	5		
15	Battery		6-18 hours	5		
Total				**80**		

4. **Networking and accessories for Internet Connection**

ITEM	SPECIFICATIONS	QUANTITY	UNIT PRICE INCLUSIVE OF 16% VAT AND 0.03% TRAINING LEVY	TOTAL
Access Point	Ubiquiti U6-PRO, UniFi Access Point Wi-Fi 6 Pro (Dual-band Wi-Fi 6 (802.11ax) 5 GHz (4×4 MU-MIMO and OFDMA) band with a 4.8 Gbps throughput rate 2.4 GHz (2×2 MU-MIMO and OFDMA) band with a 573.5 Mbps throughput rate	8		

	Operates at full 4×4 MIMO with 160 MHz bandwidth 300+ concurrent client capacity)			
Crimping tool	TY-315 Network Cable Crimping Tool Features: 3-in-1 function (crimping, stripping, cutting); suitable for Cat5/Cat5e/Cat6 cables; ergonomic design for comfort.	3		
RJ45	Cat.6A UTP RJ45 Modular Plug Transparent 100 Pack	1 box		
Ethernet Cable	Cat6 Indoor/Outdoor Shielded Ethernet Cable	1 roll		
Rack	Rack cabinet for equipment-42 U cabinet	1		
	TOTAL			