

# AYUB TEACHING HOSPITAL ABBOTTABAD

## IT Equipment Details

S.No	Items	Specifications	Quantity
1	Laptop Core I 7	8th Gen Ci7 Quad Core 08GB 1TB HDD 4-GB Nvidia MX110 GDDR5 15.6" HD 720p (Natural Silver, HP Direct Local Warranty)	50
2	Laptop Core i 5	8th Gen Ci7 Quad Core 08GB DDR4 1TB 14" HD BV LED FP-Reader VGA-Port USB-C Backlit KB FP Reader (Carry Case Included, HP Direct Warranty)	50
3	Laptop Core I 3	8th Gen Ci3 04GB 1TB 15.6" HD LED Waves Maxx Audio Pro (Colors Available, 2 Year Dell Direct Local Warranty)	50
4	Computer Set Intel core i7	8th Gen Ci7 8700 4GB 1TB Hard Drive DVDRW Keyboard & Mouse (HP Direct Local Warranty)	50
5	Computer Set Intel Core i5	Core i5 8500 8th Gen 4GB 1TB Sata Hard Drive DVDRW Keyboard & Mouse ( year Card Warranty)	50
6	Computer Set Intel Core i3	Ci3 8100 8th Gen- 4GB - 1TB Sata Hard Drive DVDRW Keyboard & Mouse (1 year Card Warranty)	50
7	Server 1	Power Edge R930 Rack Server Intel® Xeon® Processor E7-8800 Product Family Intel® Xeon® Processor E7-4800 Product Family 96 DIMMS): 8GB/16GB/32GB/64GB/128GB RDIMM, LRDIMM up to 2400 MT/s Chassis 4U RAID Controllers Internal controllers: PERC H330, PERC H730P External HBAs (RAID): PERC H830 External HBAs (non-RAID): 12Gbps SAS HBA Storage 2.5" SATA/SAS SSD, SAS HDD (15K, 10K), nearline SAS HDD (7.2K) 2.5" Dell PowerEdge NVMe Express Flash PCIe SSD Embedded NICs: Broadcom® 5720 quad-port 1Gb NDC Broadcom® 57800 2x10Gb DA/SFP+ + 2x1Gb BT NDC Broadcom® 57800 2x10Gb BT + 2x1Gb BT NDC Broadcom® 57840S quad-port 10Gb SFP+ Direct Attach Rack NDC Intel® I350 quad-port 1GbE NDC Intel® X520 dual-port 10Gb DA/SFP+, + I350 DP 1GbE, NDC Intel® X540 10GbE BT dual-port + I350 1Gb BT DP NDC Video Card Matrox® G200 with 8MB memory	2

8	Server 2	<p>HPE ProLiant DL380 Gen9 Server</p> <p>Processor Type: Intel</p> <p>Processor Family Intel® Xeon® E5-2600 v3 product family Intel® Xeon® E5-2600 v4 product family</p> <p>Processor Core Available 22 or 20 or 18 or 16 or 14 or 12 or 10 or 8 or 6 or 4</p> <p>Processor Cache Installed 10 MB L3 15 MB L3 20 MB L3 25 MB L3 30 MB L3 35 MB L3 40 MB L3 45 MB L3 50 MB L3 55 MB L3</p> <p>Maximum Memory 3.0 TB, with 128 GB DDR4</p> <p>Memory Slots 24 DIMM slots</p> <p>Memory Type HPE DDR4 Smart Memory</p> <p>Network Controller HPE 1 Gb 331i Ethernet adapter 4 ports per controller and/or an optional Flexible LOM, depending on model</p> <p>Remote Management Software Standard: HPE iLO Management with Intelligent Provisioning Optional: HPE iLO Advanced and HPE Insight Control</p> <p>System Fan Features Hot plug redundant standard</p> <p>Power Supply Type 2 Flex Slot</p> <p>Expansion Slots 6 maximum, for detailed descriptions reference the Quick Specs</p> <p>Storage Controller 1 HPE Dynamic Smart Array B140i and/or 1 HPE Smart Array P440ar or 1 HPE Smart Array P840, depending on model</p> <p>Warranty Standard Statement 3/3/3 - Server Warranty includes three years of parts, three years of labor, three years of onsite support coverage. Additional information regarding worldwide limited warranty and technical</p> <p>Processor Speed 3.5 GHz</p> <p>Form Factor 2U</p>	1
9	Server 3	<p>HPE ProLiant DL380 Gen10 Server</p> <p>Processor family Intel® Xeon® Scalable 8100 series</p> <p>Intel® Xeon® Scalable 6100 series</p> <p>Intel® Xeon® Scalable 5100 series</p> <p>Intel® Xeon® Scalable 4100 series</p>	1

		<p>Intel® Xeon® Scalable 3100 series</p> <p>Processor core available</p> <p>28 or 26 or 24 or 22 or 20 or 18 or 16 or 14 or 12 or 10 or 6 or 4</p> <p>Processor cache 8.25 MB L3</p> <p>11.00 MB L3</p> <p>13.75 MB L3</p> <p>16.50 MB L3</p> <p>19.25 MB L3</p> <p>22.00 MB L3</p> <p>24.75 MB L3</p> <p>27.50 MB L3</p> <p>30.25 MB L3</p> <p>33.00 MB L3</p> <p>35.75 MB L3</p> <p>38.50 MB L3</p> <p>Maximum memory</p> <p>3.0 TB with 128 GB DDR4 [6]</p> <p>Storage controller 1 HPE Smart Array S100i and/or</p> <p>1 HPE Smart Array P408i-a and/or</p> <p>1 HPE Smart Array P816i-a and/or</p> <p>1 HPE Smart Array E208i-a, depending on model</p>	
10	NAS server	<p>Dell Storage NX3240</p> <p>Dual-socket, 2U rack mount NAS server</p> <p>Intel Xeon Bronze 3104 or 3106 or Silver 4114 processors</p> <p>Up to 64GB memory</p> <p>SATA, NL-SAS or SAS drive options</p> <p>Up to 16 hot-swap 3.5" drives for data; two 2.5" drives for OS</p> <p>Up to 192TB raw capacity</p> <p>Leveraging the PowerEdge R740xd server precision technology</p> <p>Internal RAID options</p> <p>Standard options: OS HDDs (on rear 2.5" HDDs) is always RAID1. Data HDDs can be configured from factory in RAID5 or RAID6 (minimum 4 HDDs)</p> <p>PERC H730 (internal drives)</p>	<b>1</b>
11	Laptop trolley for wards		<b>25</b>
12	Ultra Flat Wall Mount Computer Station		<b>25</b>
13	Splicing Machine Standard Package:	Applicable fibers: SM/MM/DS/NZDS Compatible Fiber /	<b>1</b>

	T45 Fusion Splicer T30C High Precision Fiber Cleaver Tri-hole Fiber Coat Stripper Kim wipes Lint-Wipers 280 wipers/box Instruction CD Fusion Splice Protection Sleeves 500ea Internal Battery Charger, AC Power Cord Spare Electrodes (one pair) Cooling Tray Alcohol Pump Bottle Blower Brush User Manual Carrying Case	Cable:0.25mm/0.9mm/3.0mm/ Flat/Drop cable Fiber cleave length:250µm(Coat):8 ~ 16mm, 900µm:16mm Typical splice loss: SMF : 0.02dB, MMF : 0.01dB, DSF : 0.04dB, NZDSF : 0.04dB Return loss: Less then -60dB Splice Time: Splice: Typical 7sec, Tube Heat : Typical 18sec with S-160(60mm) Tube Program SPLICE Mode : 100, Heat Mode : 50 Storage of splice result:4,000 results SIZE, Weight:120W*130L*154H(include Monitor),2.2Kg(Exclude Battery) Terminal: USB, VGA, External Power Power: DC 14.8V Battery (7800mAh),100~240V AC Adapter Additional power: DC 12V automobile power outlet available No of splice/Heating with Battery:330cycle, lithium polymer batteries Mechanical proof test:2N / 4.4N (OPTION) Display: Two CMOS cameras and 4.3" color LCD monitor Fiber view and magnification: X/Y 330X, 170X	
14	4 TB Hard Disk 1 TB Hard Disk	With 7200 rpm speed 1 year warranty	<b>10</b>
15	8TB External HDD	8TB External Hard disk with fastest Speed	<b>1</b>
16	RAM (4GB)DDR3	4GB Single DDR3 Ram	<b>10</b>
17	RAM(8GB)DDR3	8GB Single DDR3 Ram	<b>10</b>
18	RAM(4GB)DDR2	4GB DDR4 SDRAM	<b>10</b>
19	Semis Cell	Computer CELL	<b>50</b>
20	4TB External HDD	Seagate 4TB Backup Plus Portable Hard Drive 4TB Storage Capacity USB 3.0 Connectivity Bus Powered Plug-and-Play Compatible USB 3.0 Cable Included Preformatted for Windows Mac Compatible with Reformatting	<b>2</b>
21	Mouse	<u>Genuine DELL MS111-P USB Optical Mouse 3 BUTTON WHEEL,</u> Brand: Dell Interface: USB Type: Standard Connectivity: Wired	<b>400</b>
22	Keyboard	<ul style="list-style-type: none"> <li>Product Dimensions : 6 x 17 x 2 inches</li> <li>Item Weight : 1.4 pounds</li> <li>Shipping Weight : 1.4 pounds (View shipping rates and policies)</li> <li>Manufacturer : Dell Computers</li> <li>ASIN : B008C4JA66</li> <li>Origin : Made in USA or Imported</li> </ul>	<b>400</b>
23	Wireless Keyboard / Mouse	Wireless Keyboard and Mouse Combo - KM714   Dell	<b>30</b>

		Power cable Original Branded with Fuse Power cable Original Branded With Fuse For Computer Pc Desktop Printer scanner UPS And House Hold Items 3 pin Socket Sport 3 Pin Supply voltage 250	500
24	VGA Cable	VGA Branded Cables Normal Length	5
25	VGA to HDMI	VGA to HDMI	4
26	VGA Cable 15M	VGA Branded Cables 15M	5
27	VGA splitter		2
28	HDMI To VGA Cable Converter	Universal HDMI To VGA Cable Converter	6
29	DVD R/W	DVD-R/W 4.7 GB	20
30	LAN CARD USB	USB LAN 3.0 To RJ45 Lan Network Ethernet Adapter Card Converter	12
31	USB sound card	USB sound card	5
32	PCI LAN CARD	PCI Slot for LAN (Network) card	30
33	PRINTER DATA Cable	Branded Printer Cable	30
34	HDMI Cable	HDMI 25 meter Cable	5
35	HDMI to VGA Converter	HDMI to VGA Converter	5
36	HDMI to DVI Converter	HDMI to DVI Converter	5
37	12 volt Adopters	12volt Adopters (2.4, 3 Amp)	10
38	24 volt adopters	24 volt adopters(3, 3.4 Amp)	10
39	6 volt Adopters	6 volt Adopters( 2 Amp)	10
40	USB 8GB 2.0 (3.0)	USB 8GB 2.0 (3.0)	5
41	USB 16GB 3.0	USB 16GB 3.0	5
42	USB 32GB 3.0	USB 32GB 3.0	5
43	Ribbon	Ribbon for TSC ME-240	20
44	Label	Label for TSC ME-240	1000
45	LQ ribbons	LQ Dot matrix ribbon	300
46	External CD Rom	USB external DVD ROM with data and power cable box pack	2
47	Laptop Power cable	Branded Laptop Power cable	2
48	Black Copper thermal Printer	Black Copper Thermal Receipt Printer heavy duty	20
49	M604 Printer	HP LaserJet Enterprise M604	6
50	HP LaserJet Pro 400 M451nw	HP LaserJet Pro 400 M451nw	5
51	Epson LQ printer	Epson LQ dot matrix printer	5
52	HP LaserJet Enterprise 600 Printer M602n	HP LaserJet Enterprise 600 Printer M602n	15
53	TSC label printer	TSC label printer	6
54	HP LaserJet pro M12a printer	HP LaserJet pro M12a printer	70
55	HP LaserJet pro M15a printer	HP LaserJet pro M15a printer	70
56	HP SCANJET G3110 Photo Scanner	HP SCANJET G3110 Photo Scanner Equivalent	3
57	HP laserjet scanner 2500		5

58	HP LaserJet Pro 400 color Printer M451dn	HP LaserJet Pro 400 color Printer M451dn	1
59	HP 3 in one Laser Jet Printer	HP 3 in one Laser Jet Printer Print, Copy, Scan, Fax Upto 22ppm PrintSpeed First Page out as fast as 7.6 Secs Laser Print Technology Wifi + LAN + USB	2
60	Canon CanoScan LiDE 300 Color Image Scanner	Canon CanoScan LiDE 300 Color Image Scanner or equivalent	4
61	HP 80A Tonner	HP 80A Black Original LaserJet Toner Cartridge	500
62	Fargo Printer	HDP Fargo 5000 RFID Card printer (Retransfer Film)	10
63	Fargo Printer color Cartage	HDP Fargo 5000 RFID Card printer Color Cartage	10
64	HP 85A Tonner	HP 85A Black LaserJet Toner Cartridge rates for simple and original	500
65	HP 17a tonner	HP 17a Black LaserJet Toner Cartridge rates for simple and original	500
66	HP 19a Tonner	HP 19a Tonner rates for simple and original	500
67	HP 90A tonner	HP 90A tonner rates for simple and original	500
68	HP M252 color printer tonner	HP M252 color printer tonner	500
69	HP 49A Tonner	HP 49A Black LaserJet Toner Cartridge rates for simple and original	500
70	HP 53A Tonner	HP 53A Black I LaserJet Toner Cartridge rates for simple and original	500
71	HP 79A Black Compatible Toner Cartridge	HP 79A Black Compatible Toner Cartridge	500
72	HP 81A Tonner	Compatible HP 81A Black Toner Cartridge rates for simple and original	500
73	Hp pro 400 Printer Fuser	HP LaserJet Pro 400 M401n Fuser full Unit	50
74	Hp 1320 Printer Fuser	HP LaserJet 1320 Fuser Unit - 110 / 120 Volt	50
75	Hp 2015 Printer Fuser	HP LaserJet P2015 Fuser Unit - 120 Volt	50
76	Hp 1102 Printer Fuser	LaserJet Pro P1102w Fuser / Delivery Unit - 110 / 120 Volt	50
77	Printer Clutch for printers (all models)	Printer Clutch for printers (all models)	50
78	Pressure Roller printers (all models)	Pressure Roller printers (all models)	50
79	Heater printers (all models)	Heater printers (all models)	50
80	Formative Card (all models)printers	Formative Card (all models)printers	50
81	Hp pro400 printer Paper picker	Hp pro400 printer Paper picker	50
82	Hp 1320 printer Paper picker	Hp 1320 printer Paper picker	50
83	Hp 1102 printer Paper picker	Hp 1102 printer Paper picker	50

84	HP pro 400 printer heat sleeve	For HP LaserJet Pro 400 M401 M425 M401d M401dn M425dn M425dw Fuser Film Sleeves, For HP M401 M425 400 M 401 425 Fixing Film	50
85	HP 1102 printer heat sleeve	10X HP LaserJet P1102 P1606 M1536 M401 M425 P2035 P2055 1213NF Fuser Film Sleeve	50
86	Hp 1102 printer Fuser Roller	Compatible NEW for HP P1102W P1560 P1566 P1102 P1536 P1606dn Fuser Pressure Roller Lower sleeve roller LPR-1102-000 LPR-1102	50
87	Hp pro400 printer Fuser Roller	Pressure Roller Lower sleeve roll	50
88	Hp 1320 printer heat sleeve	FILM1320 Fuser Film Sleeve, OEM for HP LaserJet 1320	50
89	Magnet for tonner	Magnet for tonner	50
90	Hp Enterprise M553 toners	Hp Enterprise M553 toners	50
91	Drums for HP pro400, 1320, 1102, 1109, M604 etc for tonners	Drums for HP pro400, 1320, 1102, 1109, M604 etc for tonners	50
92	Toner powder INK 80a ,85a	Refill Toner powder 280A 80A 80X 280X 280 CF280X CF280A For HP Laserjet pro 400 401 452 printer	50
93	Toner powder INK 17a	Refill Toner powder INK 17a	50
94	HP LaserJet Pro M1536DNF All-In-One Printer (Print, Copy, Scan, Fax)	HP LaserJet Pro M1536DNF All-In-One Printer (Print, Copy, Scan, Fax)	1
95	Multimedia along with wall screen	Multimedia along with wall screen	1
96	• Network Cable	Cat-6 A stp High quality Cable	20
97	Network Switch 8 Port	8-Port Unmanaged Gigabit Switch	10
98	Network Switch 16 Port	16-Port Unmanaged Gigabit Switch	10
99	• Network Switch manageable 24 port with 4sfp	24-Port Manageable Gigabit Switch	20
100	• Network Switch manageable 48 port with 4 sfp	48-Port Manageable Gigabit Switch	15
101	• Wifi Router (Short Range)	Wifi Router (Short Range)	5
102	• Wifi Router (Long Range)	Wifi Router (Long Range)	5
103	• Rj 45 Connector	Rj 45 steel Connector and simple	2000
104	• Rj 11 connector	Rj 11 connectors	100
105	• Jointer	Rj 45 jointer	50
106	• Network Digital Metter	Digital Network Cable Tester Meter With Length Measurement With Battery	2
107	• IT-Tech Network Toolkit	Electrical adhesive tape CRV red black Rubber plastic screwdriver 5*100(-) Crystal box 22pc(8p:10pcs 6p:6pcs 4p:6pcs CRV red black Rubber plastic hand Shank screwdriver 5*100(+) ,Precision screwdrivers 2.4(-) 2.4(+) ,Digital electrical pen test 12-250v Long flat nose pliers, wire stripper, Network pliers	1

		Wire cutter, Network tester	
108	PoE Switches 24 Port	24 port Gigabit POE switch	5
109	Network Switch Rack	Network Switch Rack 2U	5
110	Network Switch Rack	Network Switch Rack 4U	20
111	Network Switch Rack	Network Switch Rack 6U	5
112	Network Switch Rack	Network Switch Rack 8U	5
113	Network Switch Rack	Network Switch Rack 27U	1
114	Network Switch Rack	Network Switch Rack 42U	2
115	Window Server 2008, 2012, and 2016 License	Window Server 2008 and 2012, 2016 License	1
116	Window 10 License	Window 10 License	1
117	Antivirus kaspersky server and client point	Antivirus kaspersky server and client point	200
118	Antivirus nod32 server and client point	Antivirus nod32 server and client point	9
119	Humidity control set	For Data Centre	1
120	Temperature control set	For Data Centre	1
121	Fire Alarm System	For Data Centre	1
122	• Fire Fighting Kit	For Data Centre	1
123	• Hardware Firewall	For Data Centre	1
124	Electric Soldering Iron	Electric Soldering Iron	1
125	• Heat gun	Heat Gun Machine	1
126	• Camera	Still Photography 20 Megapixel HD	1
127	• UPS .5 KVA	UPS .5 KVA	20
128	• UPS 1 KVA	UPS 1 KVA	5
129	• UPS 3KVA	3KVA with dry batteries 2 hr minimum backup	5
130	• UPS 2KVA	2KVA dry batteries 2 hr minimum backup	5
131	• UPS 4KVA	UPS 4KVA	5
132	• UPS 5 KVA	Online UPS 5 KVA UPS with 4 X 150 Ampere Dry Batteries for long Backup up to 02 Hours. Dry batteries	5
133	• DVD	Re writeable DVD's	200
134	• Speaker	Column Speaker	10
135	• Amplifier	mic Amplifier	10
136	• LED	LED 40 inch	10
137	• LED	LED 49 inch	10
138	• Laptop Trolley	Laptop Trolley	10
139	• Patch Cord	Patch Cord	100
140	• ODF box	12 Ports, 6 ports Fixed Type Rack Mount ODF	20
141	• Pigtail	High Quality Fiber Optic Pigtail	100
142	• SFP module	SFP module	100
143	• SFP transceiver Modules	SFP transceiver Modules	50
144	• IP Cameras 5 MP	5 MEGAPIXEL BULLET IP CAMERA	5
145	• IP Cameras 4 MP	4 MEGAPIXEL BULLET IP CAMERA WDR LXIR Network Camera	5



		<p>1/3" 4Megapixel progressive scan CMOS Support H.264 H.265 dual codec 25/30fps@4M(2688×1520) Smart Detection supported WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC Multiple network monitoring: Web viewer, CMS(DSS/PSS) &amp; DMSS 3.6mm fixed lens (6mm optional) 1/1 Alarm in/out, 1/1 audio in/out Max. IR LEDs Length 50m Micro SD memory, IP67, PoE Micro SD card slot, up to 128GB PoE+ Built-in high Quality Microphone /Built-in audio out for public address system</p>	
146	<ul style="list-style-type: none"> <li>3.0 speed dome camera</li> </ul>	3.0 MP speed dome camera with 48X Zoom	5
147	<ul style="list-style-type: none"> <li>Electric Cable</li> </ul>	Electric Cable 3/29	10
148	PoE Switches 16 Port	PoE Switches 16 Port	10
149	<ul style="list-style-type: none"> <li>Hammer</li> </ul>	heavy duty hammer	1
150	<ul style="list-style-type: none"> <li>Solder Sucker Removal Tool</li> </ul>	Desoldering Pump ZD205 Solder Sucker Removal Tool	1
151	<ul style="list-style-type: none"> <li>2m bit error rate tester</li> </ul>	2m bit error rate tester	1
152	<ul style="list-style-type: none"> <li>Wire Stripper</li> </ul>	Wire Stripper	1
153	RJ45 CAT6E Lan I/O	RJ45 CAT6E Lan I/O	1000
154	<ul style="list-style-type: none"> <li>I/O Face Plate</li> </ul>	I/O 3X3 1M Dual Face Plate	1000
155	Dell Server Rack 42 U	Dell Server Rack 42 U genuine	1
156	Dual Mode Biometric Time and Attendance	<p>Dual Mode Biometric Time and Attendance Terminal 1200 facial templates  <ul style="list-style-type: none"> <li>2000 fingerprint templates</li> <li>Up to 10,000 cards</li> <li>Up to 100,000 stored punches</li> </ul> </p>	5
157	Biometric Time and Attendance	<p>Fingerprint Capacity: 3,000 templates Card Capacity: 10,000 Transaction Capacity: 100,000 Fingerprint Sensor: Optical Algorithm Version: Finger v10.0 Communications: TCP/IP Card Functions: RFID Display: 3 inches Color Screen Power Supply: 5V DC 2 hrs minimum power backup ZK Software</p>	5
158	<ul style="list-style-type: none"> <li>USB Fingerprint Scanner</li> </ul>	<p>USB Fingerprint Scanner  <ul style="list-style-type: none"> <li>Stable operation under strong light</li> <li>Support live fingerprint detection function</li> <li>Large fingerprint capture area and high image performance</li> </ul> </p>	5
159	<ul style="list-style-type: none"> <li>Electric Lock</li> </ul>	Electric Lock High Quality	10