

For Sl no. 1. Lap Top/ Specification	
Lap Top	<b>High Performance Laptop</b>
<b>PROCESSOR</b>	
Processor family	10th gen Intel® Core™
Processor model	Intel® Core™ i7
<b>MEMORY</b>	
Internal memory type	Min- DDR4
Internal memory	Min - 8 GB
<b>DISPLAY</b>	
Display diagonal	13 - 15 Inch
Panel type	IPS or LED
Aspect ratio	16:09
HD type	Full HD
LED backlight	Yes
Touchscreen	Optional
Display resolution	1920 x 1080 pixels
<b>GRAPHICS</b>	
On-board graphics adapter	Yes
Discrete graphics adapter	Optional
On-board graphics adapter mod	Intel UHD Graphics
Discrete graphics adapter model	
<b>STORAGE</b>	
Storage Media	SDD
capacity	500GB
<b>NETWORKING</b>	
Ethernet LAN	Optional
Wi-Fi	Yes
Top Wi-Fi standard	Min - WiFi 4
Wi-Fi standards	802.11a, 802.11b, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)
Bluetooth	Yes
<b>AUDIO</b>	
Built-in microphone	Yes
Number of built-in speakers	2
<b>CAMERA</b>	
Front camera	Yes
<b>KEYBOARD</b>	
Keyboard backlit	Yes
Pointing device	Full Touchpad Support
<b>SOFTWARE</b>	
Operating system installed	Windows 10 Home
Operating system architecture	64-bit
<b>BATTERY</b>	
Battery recharge time	4 h
Battery life (max)	Min - 8 h
Battery capacity (Watt hours)	Min - 40 Wh

For SI no. 2. PRINTER	
Feature	Specification
Print Speed	Letter: Up to 40 ppm black; First Page Out: As fast as 5.6 sec black;
Print Resolution	Black (best): 600 x 600 dpi, Up to 4800 x 600 enhanced dpi
Print Technology	Laser
Print Resolution Technologies	FastRes 1200, 600 dpi
Print Speed	Letter: Up to 40 ppm black;
Print Resolution	Black (best): 600 x 600 dpi, Up to 4800 x 600 enhanced dpi
Print Technology	Laser
Print Cartridges Number	1 (black)
Printer Smart Software Features	Auto-duplex printing, N-up printing, collation, HP ePrint, Apple AirPrint™, Google Cloud, Print, Mopria-certified, Instant-on Technology, HP Auto-On/Auto-Off technology, JetIntelligence, Cartridge Technology, Job Storage with PIN printing
Standard Connectivity	1 Hi-Speed USB 2.0; 1 Host USB; 1 Gigabit Ethernet 10/100/1000T network
Network Capabilities	Via built-in 10/100/1000Base-TX Ethernet, Gigabit; Auto-crossover Ethernet; Authentication via 802.1X
Network Ready	Standard (built-in Gigabit Ethernet)
Wireless Capability	No
Mobile Printing Capability	Yes
Memory	Standard: 128 MB; Maximum: 128 MB
Processor Speed	1200 MHz / Hard disk: None
Duty Cycle	Monthly, letter: Up to 80,000 pages
Recommended Monthly Page Volume	750 to 4000
Media Types Supported	Paper (plain, EcoFFICIENT, light, heavy, bond, colored, letterhead, preprinted, prepunched, recycled, rough); envelopes; labels; transparencies
Media Sizes Supported	Letter, Legal, Executive, Oficio (8.5 x 13 in), A4, A5, A6, B5 (JIS), Oficio (216 x 340 mm), 16K (195 x 270 mm), 16K (184 x 260 mm), 16K (197 x 273 mm)
Paper Handling	100-sheet multipurpose; 150-sheet output bin; Duplex

## For SI no. 3.      Projector with Ceiling Mount

OPTICAL	
Zoom	1.0 - 1.35 (Digital)
Screen Size	30" to 350" [0.88 to 10.44 m] (Zoom: Wide) 23" to 260" [0.88 to 10.44 m] (Zoom: Tele)
Projection Distance	60" screen 1.77 - 2.4 m
Throw Ratio	1.45 (Zoom: Wide), 1.96 (Zoom: Tele)
Projection Lens F Number	1.44
Projection Lens Focal Length	16.7 mm
Focus Method	No Optical Zoom / Focus (Manual)
Offset	8:01
IMAGE	
Colour Light Output	3,300 Lumens
White Light Output	3,300 Lumens
Resolution	SVGA
Native Aspect Ratio	4:03
Contrast Ratio	15,000:1
Lamp Type	215 W UHE
Keystone Correction	Vertical: -30 to +30 degrees Horizontal: -30 to +30 degrees
CONNECTIVITY	
Input: Video	1 x RCA (Yellow)
Input: Computer	1 x D-sub 15-Pin (RGB), 1 x USB 2.0 type B
Input: USB Memory Device	1 x USB Type A
Input: Three-In-One USB Display	1 x USB 2.0 Type B
Input: Digital	1 x HDMI
Input: Audio	2 x RCA (1 x White, 1 x Red)
Input: Control	1 x USB 2.0 type B
Input: Epson USB Document Camera	1 x USB 2.0 type A
Wireless LAN	Optional
WiDI/Miracast	N/A
Speaker Output	2W
GENERAL	
Lamp Warranty	12 Months or 750 hours*
Power Consumption: Lamp on	Normal/Eco: 291W/214W
<b>Ceiling Mount</b>	<b>Aluminum Frame</b>

For SI no. 4. SD CARD	
Feature	Specification
Card Type	SDXC
Storage Capacity	128 GB
Bus Type	UHS-I
Speed Class	10
UHS Speed Class	U3
Video Speed Class	V30
Read Speed	170 MB/s
Write Speed	90 MB/s
Durability	Shockproof, Temperature Extremes, Waterproof, X-Ray Proof
Operating Temperature	-13 to 185°F / -25 to 85°C
Storage Temperature	-40 to 185°F / -40 to 85°C
Built-in Write-Protect Switch	Yes

For SI no. 5. LAVALIER MICROPHONE	
Specification (1 set should have following items)	Number
Lavalier Microphone with clips	2
Transmitter bodypack with belt clips	2
Receiver with camera shoe mount	1
3pin XLR output cable with 3.5mm input	1
3.5mm TRS output cable with 3.5mm input	1

Feature	Specification
Lavabier Microphone	Omni-directional
Dual-channel UHF frequency:	556.71-595.66 MHz,
No. of channels	48
interference-free wireless range	up to 330-feet (100m)
back-lit LCD display	Yes
Battery	External - AA or AAA

For SI no. 7. SCANNER MACHINE	
Feature	Specification
Resolution	Up to 600x600dpi (Color and mono. ADF)
Support operating system	Windows 10(32-bit), windows 8(32-bit/64-bit),windows 7(32-bit/64-bit)
Maximum document scan size	A4
Connectivity	USB 2.0
Scane media type	Paper(Banner, Inkjet, photo),labels, card(Greeting, Index)
Auto document feeder	Standard, 50 sheet