

**Government of West Bengal
Department of Higher Education**

Virtual Classroom

Illustrative Hardware Items and Minimum Specifications

1. Desktop computer of latest configuration
Intel Q85 chipset / Intel core-i5 4570 or higher processor / Intel HD graphics 4600/
500 GB 7.2K rpm, SATA 6.0 Gb/s SMART IV HDD / Microtower Form factor / 4 GB
DDR-3 RAM / Gigabit LAN / DVD writer / Windows 8.1 professional / HD Realtek
audio with internal speaker / pre-boot diagnostic at bios level by OEM only / 18.5
inch LED TFT monitor **OR EQUIVALENT SPECIFICATIONS**. The product can be
of any reputed and established brand with reliable after-sales service. 3 year onsite
warranty. 600 VA UPS with 10-15 minutes power back up.
2. Short / Ultra short throw projector
Suitable for day light conditions in large lecture theatre and for a picture size of at
least 8 feet by 6 feet/ DLP Technology or Laser / LED technology / 3000 ANSI
Lumens / XGA / SmartECO power saving technology / 10000 hours long lamp life /
Throw ratio 0.61 / Blu Ray Full HD 3D support / Mobile playback through wireless
from Android , i-phone, etc / contrast ratio 13000:1 ultra sharp or above. Warranty:
1000 lamp hours or 1 year whichever is earlier. The product can be of any reputed/
established brand with onsite warranty and reliable after-sales service.
3. Wall mount adjustable bracket (extendable up to 4 ft.) for projector, with
sufficient load bearing capacity
4. Wall-mounted white interactive board (not less than 6 foot X 4 foot) fully
integrated with the hardware system to record/ save hand-written data in the
computer's HDD.
5. High-speed Wi-Fi for PC
6. Public Address/ Sound system suitable for the size of the virtual classroom/
lecture theatre, with one lapel/collar mike for the teacher and one cordless
microphone.
7. Camera of suitable resolution (with digital zoom function) for video
conferencing / recording lectures, along with software platform/ application license
(as applicable) with capability of multi-point video and audio interaction (subject to
availability of sufficient bandwidth) with recording facility, for recording lecture/ class