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 virual 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