



**S.6 There is a computer laboratory with at least 15 usable computer units and a printer**

**A. Laboratories, Shops/Facilities**

**A.1. CHED-required laboratories**

CHED Required Laboratory		Existing in the institution (Include floor area)	Not Existing in the Institution	Remarks
Computer Laboratory with at least 2 sq.m. floor space per student and not more than 2 students per terminal or work stations.				All laboratory rooms are functional
	Computer Lab 1	63 sq.m.		
	Computer Lab 2	63 sq.m.		
	Computer Lab 3	63 sq.m.		
	Computer Lab 4	63 sq.m.		
	Computer Lab 5	63 sq.m.		
	Computer Lab 6	63 sq. m.		
	Computer Lab 7	63 sq. m.		

**A.2. Description of each laboratory room**

**Computer Laboratory**

- a. **Computer Laboratory 1** is located at the ground floor of the CSU Main Building. This computer laboratory is equipped with 30 units installed Acer Veriton X480G computers that are connected to a network hub/switch, with printer, a room with an air-conditioner, a ceiling fan, and a set of fire extinguisher mounted on the wall. A whiteboard was also installed inside the room.
- b. **Computer Laboratory 2** is located at the ground floor of CSU Main Building. This computer laboratory is equipped with 13 units installed Acer Veriton X480G and 15 units installed Clone computers that are connected to network hub/switch, with printer, a room with an air-conditioner, a ceiling fan, and a set of fire extinguisher mounted on the wall. A whiteboard is installed inside the room.
- c. **Computer Laboratory 3** is located at the ground floor of CSU Main Building. This computer laboratory is equipped with 26 units installed IBM/Lenovo computers that are connected to network hub/switch, with printer, a room with an air-conditioner, a ceiling fan, and a set of fire extinguisher mounted on the wall. A whiteboard is installed inside the room.





- d. **Computer Laboratory 4** is located at the ground floor of CSU Main Building. This computer laboratory is equipped with 15 units Asus BM6330 and 14 units Acer Veriton M2610G installed computers that are connected to network hub/switch, with printer, a room with an air-conditioner, a ceiling fan, and a set of fire extinguisher mounted on the wall. A whiteboard is installed inside the room.
- e. **Computer Laboratory 5** is located at the ground floor of CSU Main Building. This computer laboratory is equipped with 30 units HP HP P6-2321D Desktop installed computers that are connected to network hub/switch, with Canon IP 2770 printer, a room with an air-conditioner, a ceiling fan, and a set of fire extinguisher mounted on the wall. A whiteboard is installed inside the room.
- f. **Computer Laboratory 6** is located at the ground floor of CSU Main Building. This computer laboratory is equipped with 30 units HP P6-2321D Desktop installed computers that are connected to network hub/switch, with Canon IP 2770 printer, a room with an air-conditioner, a ceiling fan, and a set of fire extinguisher mounted on the wall. A whiteboard is installed inside the room.
- g. **Computer Laboratory 7** is located at the ground floor of CSU Main Building. This computer laboratory is equipped with 30 units HP P6-2321D Desktop installed computers that are connected to network hub/switch, with a printer, a room with an air-conditioner, a ceiling fan, and a set of fire extinguisher mounted on the wall. A whiteboard is installed inside the room.

**A.3. Laboratory and Operation manuals in actual use**

Name of Laboratory	Laboratory Manual Available	Operation Manual Available
Computer Laboratory 1-7	None	1. Computer Operation Manual

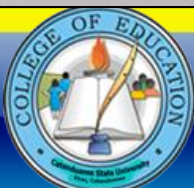




**B. Equipment and Supplies**

**B.1. Inventory of functional equipment based on CHED minimum requirements**

Equipment	CMO- required quantity of available equipment			Quantity of Existing equipment	Status	
	Excess	Deficiency				
<b>1. Computer Laboratory 1</b>	1 item/ lab	1 item/ student	1 item per group of 5-6 students			
Desktop Computer	-	1	-	30	15	-
CPU	-	1	-	30	15	-
UPS	-	1	-	30	15	-
keyboard	-	1	-	30	15	-
mouse	-	1	-	30	15	-
Network hub/switch	2	-	-	2	-	-
Flat Screen TV	1	-	-	1	-	-
LCD projector	1	-	-	1	-	-
Air-conditioning unit	1	-	-	1	-	-
emergency light	1	-	-	2	1	-
printer	1	-	-	1	-	-
LAN Cable Tester	1	-	-	1	-	-
<b>2. Computer Laboratory 2</b>						
Desktop Computer	-	1	-	26	11	-
CPU	-	1	-	26	11	-
UPS	-	1	-	26	11	-
keyboard	-	1	-	26	11	-
mouse	-	1	-	26	11	-
Network hub/switch	2	-	-	2	-	-
Flat Screen TV	1	-	-	1	-	-
LCD projector	1	-	-	0	-	1
Air-conditioning unit	1	-	-	1	-	-
emergency light	1	-	-	2	1	-
printer	1	-	-	1	-	-
LAN Cable Tester	1	-	-	1	-	-
<b>3. Computer Laboratory 3</b>						
Desktop Computer	-	1	-	26	11	-
CPU	-	1	-	26	11	-
UPS	-	1	-	26	11	-
keyboard	-	1	-	26	11	-
mouse	-	1	-	26	11	-
Network hub/switch	2	-	-	2	-	-
Flat Screen TV	1	-	-	1	-	-
LCD projector	1	-	-	0	-	1
Air-conditioning unit	1	-	-	1	-	-





emergency light	1	-	-	2	1	-
printer	1	-	-	1	-	-
LAN Cable Tester	1	-	-	1	-	-
<b>4. Computer Laboratory 4</b>						
Desktop Computer	-	1	-	24	9	-
CPU	-	1	-	24	9	-
UPS	-	1	-	24	9	-
keyboard	-	1	-	24	9	-
mouse	-	1	-	24	9	-
Network hub/switch	2	-	-	2	-	-
Flat Screen TV	1	-	-	0	-	1
LCD projector	1	-	-	1	-	-
Air-conditioning unit	1	-	-	1	-	-
emergency light	1	-	-	2	1	-
printer	1	-	-	1	-	-
LAN Cable Tester	1	-	-	1	-	-
<b>5. Computer Laboratory 5</b>						
Desktop Computer	-	1	-	30	15	-
CPU	-	1	-	30	15	-
UPS	-	1	-	30	15	-
keyboard	-	1	-	30	15	-
mouse	-	1	-	30	15	-
Network hub/switch	1	-	-	1	-	-
Flat Screen TV	1	-	-	0	-	1
LCD projector	1	-	-	1	-	-
Air-conditioning unit	1	-	-	1	-	-
emergency light	1	-	-	2	1	-
printer	1	-	-	1	-	-
LAN Cable Tester	1	-	-	1	-	-
<b>6. Computer Laboratory 6</b>						
Desktop Computer	-	1	-	20	5	-
CPU	-	1	-	20	5	-
UPS	-	1	-	20	5	-
keyboard	-	1	-	20	5	-
mouse	-	1	-	20	5	-
Network hub/switch	2	-	-	2	-	-
Flat Screen TV	1	-	-	0	-	1
LCD projector	1	-	-	1	-	-
Air-conditioning unit	1	-	-	1	-	-
emergency light	1	-	-	2	1	-
printer	1	-	-	1	-	-
LAN Cable Tester	1	-	-	1	-	-
<b>7. Computer Laboratory 7</b>						
Desktop Computer	-	1	-	20	5	-
CPU	-	1	-	20	5	-
UPS	-	1	-	20	5	-





keyboard	-	1	-	20	5	-
mouse	-	1	-	20	5	-
Network hub/switch	1	-	-	1	-	-
Flat Screen TV	1	-	-	0	-	1
LCD projector	1	-	-	1	-	-
Air-conditioning unit	1	-	-	1	-	-
emergency light	1	-	-	2	1	-
printer	1	-	-	1	-	-
LAN Cable Tester	1	-	-	1	-	-
<b>8. Simulation Room</b>						
Desktop Computer	-	1	-	6	-	9
CPU	-	1	-	6	-	9
UPS	-	1	-	6	-	9
keyboard	-	1	-	6	-	9
mouse	-	1	-	6	-	9
Network hub/switch	1	-	-	1	-	-
Flat Screen TV	1	-	-	1	-	-
LCD projector	1	-	-	1	-	-
Air-conditioning unit	1	-	-	1	-	-
emergency light	1	-	-	2	1	-
printer	1	-	-	1	-	-
LAN Cable Tester	1	-	-	1	-	-

### C. Maintenance

#### C.1. Description of the Maintenance System of the Laboratories and Equipment

Catanduanes State University employs three (3) permanent computer technicians to maintain the laboratories. Their job description includes: supervise the operation and maintenance of computer system and other peripheral devices; perform network and system administration; manage local area network administration and operation; troubleshoot, maintains, updates, upgrades network operating system and hardware; assist in the security administration of college-wide corporate database; and perform other tasks as maybe prescribe by immediate supervisor. Computer repair tools are available in the technician's room. Computer spare parts such as memory, hard disk and network interface card, network cables and terminators are maintained on stock. The computer technicians are on standby at the control room in order to respond promptly when there is a computer malfunction.

#### C.2. Safety Devices Available in the Laboratories

Laboratory	Safety Device	Quantity
Computer Laboratory	Fire Extinguisher	7 units
	Medicines for emergency, first aid cabinets	unit per laboratory





**D. Special Provision**

- **Description of Specific Program Requirements in Accordance with Policies/Guidelines, CMO's and Other Legal Issuances.**

CMO No. 53, s. 2007

**Section 16. Laboratories and Other Facilities**

The laboratories and facilities for graduate programs and other education professionals shall be augmented with:

- a. Appropriate research facilities and the basic sciences, if applicable;

Graduate Section and Internet Services at the Catanduanes State University Main Library provides research facilities for graduate programs and the Science Laboratory Building of the College of Arts and Sciences provides appropriate basic sciences laboratory as needed by programs in the master's degree.

- b. Instructional laboratories, as needed;

Seven (7) functional Computer Laboratories are located at the ground floor of Catanduanes State University Main Building as well as Biology, Chemistry and Physics Laboratories at the Science Laboratory Building offers various services as stated on the OBE Course Syllabus of each Master's Degree Program.

- c. Resources need or research (e.g., statistical software and other equipment or analysis of research data); and

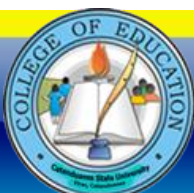
Desktop computers at computer laboratories are installed with Microsoft Office Excel for analysis of data in research and also in Statistics.

- d. Information and communication technology facilities.

ICT facilities are existing at the Catanduanes State University and were being maintained by technicians at the College of Information and Communications Technology.

**E. Extent of Compliance on the Team's Recommendations During the Last Survey Visit**

Recommendations	Percent of Compliance	Evidence of Compliance
1. Faculty members in-charge or computer laboratories are encourage to write laboratory operation manuals for the faculty and students	100%	Computer Laboratory Operation Manuals
2. It is suggested that first aid kits are to be found in each computer laboratory	100%	Pictures
3. Since computers can only be used by the students during their scheduled class period, computers should be also	100%	CIT-Computer Rental Program





made available when needed. This can be a good source of income of CSU.		
4. If financial resources warrant, purchase of additional multimedia equipment like LCDs, OHP can be used to advantage.	100%	Purchase Copied Delivery Miscellaneous

