

# I. Common Specifications for all Computer Labs

## Area/Space Requirements

- Length: **at least 8 meters**
- Width: **at least 7 meters**
- Height: **normal height (no restriction)**
- Capacity: **24 students**

## Electrical Cabling System

- Raised floor: **As the cost of raised floors is high and since the wiring requirements are decreasing, we do not recommend a raised floor. However, access to electrical power and other wiring needs in multiple locations in each lab has to be taken into consideration.**
- Static-free floor **Yes**
- Side wall conduit **Yes**

**Networking: Wireless**

## Considerations per student

- Area: **2 m<sup>2</sup>**
- Electrical Outlets: **4**
- PC: **1**

**Closets: Space for closets that will be used to store manuals, equipment, ... etc., must be taken into account.**

## Equipment:

- Audio/Visual (Note that one of each is required in exclusive labs [male or female], whereas two of each are required in shared labs.)
  - Ceiling-mounted projector: **Yes (1 or 2)**
  - Pull-down screen: **Yes (1 or 2)**
  - White Board: **Yes (1 or 2)**
- Security and Safety
  - Main Switch (Circuit Breaker) **Yes**
  - Surveillance Camera System **Yes**
  - Fire Extinguisher **Yes**
  - Sprinkler System **Recommended**
  - Smoke Detectors **Yes**

# II. Servers' Room, Backup and Administrator Office

A room that hosts all the main servers of the college is required. The administrator's office should not be more than 10 meters away from the servers' room. Backup servers must be located in a different building. The temperature for the servers' room must not exceed 70 Fahrenheit. The area of the servers' room must be at least 25 m<sup>2</sup>

### III. Individual Specification of Computer Labs

Lab Name	# of Labs	Seating Requirement
General-Purpose Lab	3	a
Teaching Lab	3	d
Senior Project Lab	3	a
Multimedia Lab	1	d
Data Communications Lab	1	d
Digital logic/Digital system Design	1	d
Assembly & Microprocessing Interfacing lab	1	d

#### Reference Picture for Seating Requirement

