

मापदण्ड ६: पाठ्यक्रमले तोके बमोजिमको पूर्वाधार, सामग्रीहरू र प्रयोगात्मक अभ्यासको व्यवस्था  
(Physical Facilities for Practical)

**Program:- Diploma in Bio-Medical Equipment Engineering**

SN	Item to be supervised	Yes	No	Remarks
<b>1</b>	<b>Human Anatomy &amp; Physiology and Bio-Medical Chemistry Lab</b>			
a)	Space (1 sq meter / student) (for 12 students at a time)			
b)	<b>Full size human skeleton*</b>			
c)	Chart/ diagram of different parts/organs and systems			
d)	<b>Models of different parts/organs and systems*</b>			
e)	Analytic lab equipments			
<b>2</b>	<b>Electrical Engineering Drawing Room</b>			
a)	Space (1 sq meter / student) (for 12 students at a time)			
b)	Drawing Board			
c)	<b>Tools and equipments as per min requirements*</b>			
<b>3</b>	<b>Computer Programming &amp; Logic Circuit , Data Communication and Networking Lab</b>			
a)	Space (1sq meter / student) (for 12 students at a time)			
b)	Number & Condition of Computer.			
c)	Microprocessors and Microcontroller Program Language 8085 and 8086 Assembly Language kit			
d)	Server PC(1 PC)			
e)	<b>Client PC*</b> (standard:12 PC, according to the student number, Max 2 students/1 PC, OS: Windows)			
f)	Printer			
g)	Multimedia Projector			
h)	<b>Network*</b>			
i)	<b>Program Language C for each PC*</b>			
j)	Related Training Kit/ Bread Board with DC Power supply and necessary electronics component			
<b>4</b>	<b>Workshop Technology Lab</b>			
a)	Space (1 sq meter / student) (for 12 students at a time)			
b)	Machine & Equipments (Drill Machine, Bench Vice, Lathe, Welding Machine)			
c)	<b>Tools and equipments as per min requirements and tool box for individual student*</b>			
d)	Safety Devices (Apron, goggles, gloves etc. )			

<b>5</b>	<b>Bio-Medical Instrumentation and Bio-Medical Equipment Maintenances Lab</b>			
a)	Space (1 sq meter / student) (for 12 students at a time)			
b)	<b>Related Medical Equipment as per curriculum (incubator, oven, oxygen concentrator, colorimeter, patient monitor, defibrillator, ECG, Anesthesia Machine etc.)*</b>			
c)	Simulators and Analyzers			
d)	<b>Tools and equipments as per requirements*</b>			
e)	X-Ray Machine Min 100mA			
f)	Safety Devices (Safety Tester etc.)			
<b>6</b>	<b>Electrical circuit &amp; machine, Electronics, Electrical measurement System Lab</b>			
a)	Space (1 sq meter / student) (for 12 students at a time)			
b)	<b>Oscilloscope and function generator*</b>			
c)	Multimeter			
d)	Electronic components as per curriculum			
e)	Electronics training kit/ bread board with DC power supply			
f)	<b>Tools and equipments as per requirements (Transformers, Motors, 3 phase System etc.)*</b>			

*\*Critical*