



Competency Training for Biomedical Technical Personnel (BTP) CCM2 - Module 2:

Central Nervous System, Skeletal System & Muscular System

12 & 13 June 2024



Wednesday & Thursday



**Seminar Room 1, Medical Device
Authority, Level G, Prima 9, Prima
Avenue II, Block 3547, Persiaran APEC,
63000, Cyberjaya**



Online Examination - 14 June 2024 (Friday)

**Training Fee
RM 850
Per Participant**

Training Overview

This module is designed in line with Section 43 of the Medical Device Act 737 for participants who is responsible for the maintenance, testing & commissioning, and disposal of a medical device in healthcare institutions and related facilities.

This training helps the participants to understand the anatomy and physiology of the Central Nervous System, Skeletal System & Muscular System of the human body associated with relevant biomedical engineering applications. The acquired knowledge will be useful for the application and maintenance of medical devices that they will encounter in the field.

Target Audience

- Biomedical Technical Personnel
- Biomedical Service Provider
- Biomedical Engineering Trainers
- Biomedical, Mechanical, Mechatronics, Electrical, Electronics Engineering graduates
- Technical and Vocational Education and Training (TVET)
- BEM and FEM Managers
- Interested Individuals

JOIN NOW



CLOSING DATE: 5 JUNE 2024

Upon acceptance for the registration, an invoice (for payment purpose) together with details of the payment methods will be issued accordingly

Contact Us:

Should you have any queries, please contact us through email at:

trainingpackage@mda.gov.my

 Medical Device Authority - MDA

 Medical_Device_Authority

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PROGRAM OUTLINE

DAY-1 : 12 JUNE 2024 (WEDNESDAY)

08:30 AM – 09:10 AM

Registration & Briefing

09:10 AM – 10:40 AM

Central Nervous System

- Anatomy of the nervous system
 - Neuronal communication
-

10:40 AM – 11:00 AM

Short Break

11:00 AM – 12:30 PM

Central Nervous System (Cont.)

- Brain Organization
 - Neuronal Receptors
-

12:30 PM – 14:00 PM

Lunch Break

14:00 PM – 15:10 PM

Central Nervous System (Cont.)

- Somatic and Autonomic nervous System
-

15:10 PM – 15:30 PM

Tea Break

15:30 PM – 17:00 PM

Central Nervous System (Cont.)

Nervous System measurement

- Neuron Firing
- EEG

*****This Program Outline are Subject to Change***

PROGRAM OUTLINE

DAY-2 : 13 JUNE 2024 (THURSDAY)

08:30 AM – 09:10 AM

Registration & Briefing

09:10 AM – 10:40 AM

Skeletal System

- Skeleton Anatomy
 - Components of Skeletal System
-

10:40 AM – 11:00 AM

Short Break

11:00 AM – 12:30 PM

Skeletal System (Cont.)

- Function of the Skeletal System
 - Classification of Bones
-

12:30 PM – 14:00 PM

Lunch Break

14:00 PM – 15:10 PM

Muscular System

- **Muscular Tissue**
 - Types, Functions & Properties
 - Contraction and Relaxation of Muscle Fibers
 - Development of Muscle
-

15:10 PM – 15:30 PM

Tea Break

15:30 PM – 17:00 PM

Muscular System

- How Skeletal Muscles Produce Movements
- Instrumentation and measurement Devices for
- Muscular System - Electromyography (EMG)

DAY-3 : 14 JUNE 2024 (FRIDAY)

10:00 AM – 11:00 AM

Online Examination (MDA Training Portal & Google Meet)

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