

Competency Training for Biomedical Technical Personnel (BTP) CCM 2 - Module 1

INTRODUCTION TO BIOLOGICAL SIGNAL OF THE HUMAN BODY & RESPIRATORY SYSTEM AND OTORHINOLARYNGOLOGY



8 & 9 MAY 2024

WEDNESDAY & THURSDAY



START AT

08:30 AM - 05:00 PM



VENUE

Medical Device Authority, Prima 9, Prima Avenue II,
Block 3547, Persiaran APEC, 63000, Cyberjaya



EXAMINATION

10 MAY 2024 (FRIDAY)

ONLINE

10:00 AM - 11:00 AM

TRAINING FEE

RM 850

PER PAX

LIMITED TO 50 SEATS ONLY

REGISTER NOW



CLOSING DATE : 19 APRIL 2024

OVERVIEW

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

This training will enable the participants to understand the anatomy and physiology of the human body associated with active medical devices that are used for diagnosis, prevention, monitoring, and treatment purposes on human beings.

TARGET AUDIENCE

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

FOR MORE INFORMATION:

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PROGRAM OUTLINE

DAY-1 : 8 MAY 2024 (WEDNESDAY)

08:30 AM – 09:10 AM

Registration & Briefing

09:10 AM – 11:00 AM

Introduction to Biological Signals of the Human Body

- Resting and action potentials
 - Propagation of action potentials
 - Introduction to bioelectric potentials
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11:00 AM – 11:20AM

Short Break

11:20 AM - 12:30 PM

Introduction to Biological Signals of the Human Body (Cont..)

- Electrocardiogram (ECG)
 - Electroencephalogram (EEG)
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12:30 PM – 14:00 PM

Lunch Break

14:00 PM -15:30 PM

Introduction to Biological Signals of the Human Body (Cont..)

- Event Related Potential (ERP)
 - Electromyogram (EMG)
 - Electroculogram (EOG)
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15:30 PM - 15:50 PM

Tea Break

15:50PM - 17:00 PM

Introduction to Biological Signals of the Human Body (Cont..)

- Electrogastrogram (EMG)
- Biopotential Electrodes

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



PROGRAM OUTLINE

DAY-2 : 9 MAY 2024 (THURSDAY)

08:30 AM – 09:10 AM

Registration & Briefing

09:10 AM – 10:40 AM

Respiratory System and Otorhinolaryngology

- Introduction and functions of the respiratory system
- Organs and their functions in the respiratory system
- Mechanics of breathing

10:40 AM - 11:00 AM

Short Break

11:00 AM - 12:30 PM

Respiratory System and Otorhinolaryngology (Cont..)

- Mechanics of breathing

12:30 PM - 14:00 PM

Lunch Break

14:00 PM - 15:10 PM

Respiratory System and Otorhinolaryngology (Cont..)

- Respiratory Volume and capacities (Tidal Volume, TV; Inspiratory Reserve Volume, IRV; etc)

15:10 PM - 15:30 PM

Tea Break

15:30 PM - 17:00 PM

Respiratory System and Otorhinolaryngology (Cont..)

- Respiratory Therapy equipment
 - Inhalators
 - Humidifiers, Nebulizers and Aspirators
 - Ventilator
 - Spirometer

DAY-3 : 10 MAY 2024 (FRIDAY)

10:00 AM - 11:00 AM

Examination (Online)

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

