



Excellence in
Post Graduate Medical Education
and Examinations

आयुर्विज्ञान में राष्ट्रीय परीक्षा बोर्ड
(स्वास्थ्य एवं परिवार कल्याण मंत्रालय, भारत सरकार के अधीन एक स्वायत्त निकाय)
NATIONAL BOARD OF EXAMINATIONS IN MEDICAL SCIENCES
(Autonomous body under Ministry of Health & Family Welfare, Govt. of India)

Artificial Intelligence (AI) in Medical Education

For Postgraduate Doctors and Faculty

About the Programme

Artificial Intelligence (AI) is rapidly transforming healthcare delivery, medical education, and health systems. This programme has been designed to enable postgraduate medical trainees and faculty to **understand, critically evaluate, and responsibly integrate AI tools** into clinical practice and academic settings, while maintaining patient safety, ethical standards, and professional accountability within the Indian healthcare context.

Programme Objective

To equip postgraduate medical trainees and faculty with the **knowledge, judgment, and applied skills** required to critically evaluate, responsibly use, and safely integrate AI technologies into clinical practice, education, and health systems in the Indian context.

Course Objectives

By the end of this course, the learner will be able to:

- Understand core AI concepts relevant to healthcare **without requiring technical or programming expertise**.
- Critically appraise AI tools, models, and scientific literature for **clinical validity, utility, bias, and patient safety**.
- Apply sound clinical judgment to determine **when AI is appropriate—and when it is not**.
- Recognize **ethical, legal, privacy, and cybersecurity considerations** relevant to AI deployment in Indian healthcare settings.
- Integrate AI outputs into clinical decision-making using **outcome–action pairing and patient-centered reasoning**.
- Participate effectively in **multidisciplinary AI teams**, contributing as a clinical domain expert and steward of patient care.

- Demonstrate **professionalism, accountability, and transparency** in the use of AI-assisted tools in patient care, education, and research.

Eligibility: Who Can Register?

The programme is open to the following participants:

- NBEMS Ongoing Trainees
- NBEMS Alumni (Those who qualified 2020 onwards) *
- Faculty of NBEMS-accredited departments
- Other registered medical professionals interested in AI applications in healthcare and medical education

** NBEMS alumni of previous session shall be considered in second diet of this course.*

What is the fee for joining the programme?

- No fee is being charged by NBEMS to attend this course.

How to Join the Online Classes?

- The **class schedule** will be hosted on the NBEMS website.
- To join a class and mark your attendance, click on the link **“Join the Class”** displayed against the respective session.
- Clicking the link will transfer you to the online class platform and **automatically mark your attendance at the start of the class**.
- The **“Join the Class” link will be enabled 30 minutes prior to the commencement of the class** and will remain active **only up to 30 minutes after the scheduled start time**.
- At the conclusion of each class, participants must **complete a brief questionnaire and submit feedback** to mark their **end-of-class attendance**.
- The feedback link will be available **only after the class has concluded and for a duration of one hour thereafter**.

Important: Attendance will be considered valid only if it is marked **both at the beginning and at the end of the class**.

Live Attendance Requirement

- It is **mandatory to attend classes LIVE to be eligible** for course completion certificate.
- Recorded sessions will **not** be considered for attendance or eligibility for course completion certification.

Eligibility for Course Completion Certificate

- NBEMS trainees, alumni, and accredited faculty members who attend **at least 75% of the classes LIVE**, with attendance marked at both the start and end of each session, will be eligible to participate in the **online assessment module**.
- Upon **successful completion of the assessment module**, a **Course Completion Certificate** will be issued.

A Certificate of Participation will be issued to those who attend the modules but are otherwise “not eligible” for course completion certificate.

Professional Responsibility

Participants are expected to uphold the highest standards of **professional conduct, ethical practice, and academic integrity** while engaging with AI tools discussed during the programme. The programme emphasizes AI as a **clinical support system**, not a replacement for professional medical judgment.

For updates, schedules, and access links, participants are advised to **regularly visit the NBEMS website**.
