



## Harnessing the Power of Interactive Quizzes in Medical Education: An Imperative as Per NMC Guidelines in India

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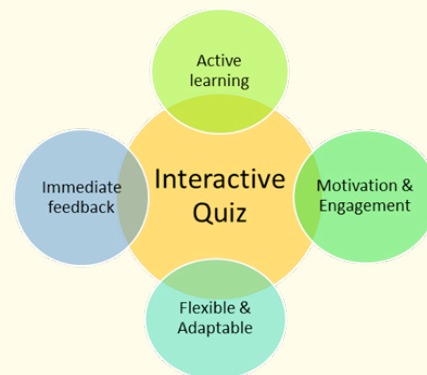
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The goal of medical education has always been to improve learning outcomes for future healthcare workers by embracing academic innovations. Including interactive quizzes in medical education has become crucial due to the quick development of digital technologies and the shifting nature of medical practise. The importance of interactive tests as a useful tool to promote active learning, critical thinking, and assessment is acknowledged by the National Medical Commission (NMC) in India. Medical institutions in India may revolutionise the way they teach, empower students, and get them ready for the difficulties of modern healthcare by implementing interactive quizzes in accordance with the NMC requirements.

By involving students actively in their education, interactive quizzes add vitality to the learning process. The days of only teaching via passive lectures are long gone. Medical educators may push their students to think critically, solve issues, and apply their theoretical knowledge to real-world situations by using participation-based quizzes. These tests may be customised to cover a variety of subjects, enabling students to efficiently review and solidify their information. A dynamic learning atmosphere that promotes active involvement and information retention is fostered via interactive quizzes, which also inspire healthy rivalry among students [1,2].

The Quizzes have put strong emphasis on the value of formative and summative evaluations in medical education. Interactive tests are a useful tool for assessing students' understanding and development. It is possible to create quizzes that evaluate both factual knowledge and clinical reasoning abilities, giving both students and teachers useful feedback. This approach ensures that assessments are fair, standardised, and in line with the NMC guidelines. Educators can leverage data analytics to identify areas of improve-

ment, track individual performance, and tailor learning experiences accordingly by using technology platforms, such as online quiz platforms or dedicated mobile applications [3].



**Figure 1**

Throughout their careers, medical practitioners must be able to refresh their expertise. The use of interactive tests in medical education encourages students to adopt a self-directed learning philosophy. Students can utilise quizzes as a self-assessment tool to determine their strengths and shortcomings and adjust their study strategies [4]. The NMC standards stress the value of lifelong learning, and interactive quizzes give students a platform to develop this crucial ability right away in their medical careers.

As a result of improvements in research, technology, and patient care procedures, the medical industry is quickly developing. The gap between conventional medical education and the needs of

contemporary healthcare may be effectively closed with the use of interactive quizzes. Students are exposed to real-world issues they could run into in their future practise by adding case-based scenarios and interactive simulations into quizzes. Their clinical reasoning, decision-making skills, and general readiness for complex healthcare issues are improved by this method. Interactive quizzes are a natural fit for the new medical education methodologies that the NMC recommendations encourage medical institutions to use [5].

In India, interactive quizzes have become an essential part of medical education. Interactive tests encourage active learning, improve evaluation methods, encourage self-directed learning, and adjust to current healthcare.

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