

5. Role of Information and Communication Technology (ICT) in Students Assessment

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Abstract

Assessment plays a major role in how students learn, their motivation to learn, and how teachers teach. Assessment should be supportive and appropriately balanced to cater student's learning process. Technology based assessment assist understanding and optimizing learning process. Information and Communication Technology has facilitated computer based evaluation. Computer Adaptive Tests (CAT) which are based on Item Response Theory (IRT) are the products of advancement in ICT which allows personalized assessment. Enhanced Question Types, Real-Time Feedback, Increased Accessibility, Estimation of learners Ability and Knowledge can be achieved through ICT enabled assessment. In India there is bright future for the ICT based education system provided that digital divide should be taken care of. ICT based assessment is at primary stage and yet to pickup pace.

Keywords: ICT, Assessment, Teaching and Learning, CAT, CAA

1. Introduction

Teaching, Learning and Evaluation are the main attributes of the education system. Good Performance of the student in the Evaluation or Assessment is the ultimate goal of the Teaching and Learning process. In view of the fact that the learners learn at different paces, there is no reason, other than administrative convenience, to test them at a certain fixed interval in all courses simultaneously. Now days there are enormous methods of assessment are used worldwide. These methods are designed to measure the relevance of the different Learning processes and the final product of the Learning process. In India also there is an emphasis on continuous and comprehensive evaluation of students' learning.

Advancement in Information and Communication Technology (ICT) has reformed not only Teaching and Learning process but also Evaluation process. ICT has influenced evaluation