

Role of ICT in Examination

B.Ed. 2nd Year

Paper - Assessment for Learning

Unit - I

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ICT & Examination

- **ICT – Information & communication Technology**
- **Information** अर्थात जानकारी या ज्ञान, जो तथ्य, आंकड़े, विचार, स्वर या चित्र इत्यादि स्वरूप में हो सकता है।
- **Types of Information – Textual, Numerical, Graphical, Narrative, Audio, Visual etc.**
- **Communication** - ज्ञान या **Information** को प्रस्तुत या प्रसारित करने का तरीका होता है, जो एक से अधिक माध्यमों का उपयोग कर कार्य प्रभावी व उपयोगी बनाता है।
- **Technology** – वैज्ञानिक ज्ञान का व्यावहारिक उपयोग है।
- परीक्षा में कम्प्यूटर या डिजिटल तकनीक का उपयोग विज्ञान के सिद्धांतों का व्यावहारिक उपयोग है।

Uses of ICT in Examination

- For delivering the question paper to hundreds of examination centers.
- All kinds of security measures during the distribution process.
- Issues of leakage of papers.
- The collection of examination papers.
- Provided the option of online examination.
- Storing the papers is also a big challenge.
- The process of online marking the answer papers can get scanned and be examined by two to three examiners.
- For calculation & analysis of different aspects of CCE.
- With the help of ICT the evaluation system will be transformed, and applied and skill based questions can also be taken.
- There is the last important aspect to prepare and provide certification.

Possibilities of ICT Based Examination System

- ICT based examination system have lot of benefits and possibilities in the Indian context. Indian examination system is presently in the process of change from manual to ICT based. Integration of ICT can improve the whole functioning of the concerned universities and also help in improving the student satisfaction from the system. ICT based examination systems has following possibilities and will help in functioning of the examination branch by:
 - Improving the coordination between different branches concerned with the conduct of examinations.
 - Improving the quality of services provided to the students by the examination branches of the universities.
 - Helpful in bringing transparent examination system which can be assessed by the students, parents and appointing agencies easily.
 - Introducing E-exams by adopting the technology to simplify the examination process by computer aided control.
 - Less dependence on the manpower and help in reducing the burden of the examination branch.

Possibilities of ICT Based Examination System

- Cost effective in long run for the universities and education boards integrating ICT in the examination system.
- Helpful in communicating with the students, teachers, paper setters, evaluators and parents.
- Easy to monitor the whole examination process by the concerned authorities while sitting in their offices.
- Less chances of examination malpractices and making the whole system very fair.
- Environmental friendly examination system by reducing the consumption of paper.

Challenges of Integrating ICT in Examination System

- Lot of investment is needed on the part of universities and school examination boards as technology is quite costly.
- Lack of ICT trained people is another challenge, for which proper training programmes in a regular manner are to be organized.
- Less initiative taken by the state universities to integrate ICT in the examination system due to lack of funds.
- Maximum student population of the country is living in the rural areas and not has access to the new technologies.
- Changing the mindset of the people presently using manual system and making them trained.
- Orienting students to adopt new technology before shifting to the ICT based examination system.

Conclusions and Suggestions

- Examination is an instrument to test what the student has learned and retained in his mind during course of study. Examination are integrated part of our educational system.
- With the technological revolution, the electric media is replaced by the digital media or ICT and virtually every aspect of human behaviour or activity is in some way or another dependent on the new computer technologies.
- ICT has opened new avenues in education by way of increased accessibility of resources and better interaction processes.
- In the case of Examination system, all the universities and school education boards are under a process of change from manual to computer technologies / ICT.
- This change in the examination system will minimize human intervention by adopting ICT since the technology promises compact storage, speedy retrieval of data and untiring diligent work.
- ICT is very useful tool to have transparency, reliability and efficiency in university examination system. ICT is having lot of possibilities in improving the whole examination system.
- Trend of seeking online applications for regular, entrance /competitive examinations and conducting on-line examinations have made the system very simple and cost effective for the examining bodies.
- But, on the other hand, this change is also bringing lot of challenges to the rural youth of the country like India who are not that much tech-savy.
- So, I suggests, adopting the technology in a planned manner and adopting student centered approach while integrating the ICT in the examination system.