

A Case Study :

ICT in Modern and knowledge era

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In ICT there are three alphabet I, C and T, each alphabets has specific meaning, I stands for Information C stands for Communication and T stands for Technology, so, ICT is the combination of three, information, communication and technology.

ICT refers any product that will store, retrieve, manipulate, transmit of received information electronically in a digital form. For example, personal computers, digital television, email, robots.

Creativity and innovation should be viewed as an integral part of a approach to education and we know that each and every individual has the capacity to be the creative and innovative. Much of our progress is the result of ability and willingness of an individual to think and act on creativity. Such expression is especially valuable in our democracy. ICT provides new opportunities for education and training, as it enhances learning and teaching and facilitate collaboration, innovation and creativity for individuals and organizations

ICT is often categorized into two broad types of product:

Traditional computer based technologies:

Traditional computer based technologies are the technologies based on using computer at home or at work. There are two sub-divisions in traditional computer based technologies.

Standard applications: these are as follows-
Word processing:

e.g. Microsoft word: Write letters,

Reports etc.

Spreadsheets:

e.g. Microsoft excel; Analyse financial information, calculation, create forecasting models etc.

Database software:

e.g. Oracle, Microsoft SQL Server, Access, managing data in many forms, form basic lists (e.g. customer contacts through to complex material (e.g. catalogue).

Presentation software:

e.g. Microsoft power point; make presentations, either directly using a computer screen or data projector, Publish in digital format via email or over the internet.

Desktop publishing:

e.g. Adobe indesign, quark Express, Microsoft publisher; produce newsletters, magazines and other complex documents.

Graphics software:

e.g. Adobe photoshop and illustrator; Macromedia freehand and Fireworks; create and edit images such as logos, drawings or pictures for use in publications.

Special applications : These are as follows-
Accounting package:

e.g. Sage, Oracle; Manage an organizations accounts including revenues/sales, purchases, bank accounts etc.

Computer aided design:

Computer aided design is the use of computers assist the design process like