COURSE DETAILS
Course Code: LIS 217
Course Title: Introduction to Information Technologies
No. of Units: 3
Status: Compulsory

LECTURER(S) DETAILS
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Area of Specialization: Emerging Technologies in Libraries, Digital Library

COURSE DESCRIPTION:
Information technology basics; components, computer technology, hardware: memory, CPU, Software. Library automation, CD ROM technology. Communications and networks technology, topologies, Internet and WWW, E-business, system software and applications, information system: analysis and development. The application of information technology in different contexts, such as in library.

COURSE OBJECTIVES
The goal of Introduction to ICT is to provide students with an understanding of information and communication technologies (ICTs). This course will provide students with a firm foundation in ICT, the concepts, types, applications and management.

ASSESSMENT
Class Attendance 10 marks
Test(s) and Assignments 30 marks
Final Examination 60 marks
LECTURE PLAN

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READING LIST

TUTORIAL QUESTIONS

1. (a) Define information Technology.
   (b) What are the five components of information technology?
   (c) What are the benefits of Information Technologies in the Libraries functions?

2. (a) Define Hardware
   (b) Categorise computer Hardware into:
       (i) Input devices (ii) Process devices (iii) Output devices
   (c) Define Software
   (d) Write notes on Systems Software and Application Software.

3. (a) What is Library Automation.
   (b) Discuss four major functions of library to be automated.

4. Write short note on how computer could be used in the following library services:
   (a) Acquisition (b) Cataloguing (c) Circulation (d) Serials (e) Internet services

5. (a) What is CD-ROM and its usefulness in the library.
   (b) Describe the following types of CD-ROM:
       (i) CD-ROM R, (ii) CD-ROM R/W (iii) DVD, (iv) DVD RW

6. (a) What is communication technology?
   (b) Define Networking (ii) Identify the types of Networking (iii) Describe Network Topology

7. (a) What is Internet?
   (b) Define the followings: (i) Browser,(ii) Web-address, (iii)Search Engine (iv) WWW

8. (a) What is electronic mail.
   (b) What is the usefulness of e-mail in the library?


10. Provide elaborate details of processes involved in library automation