0944 - DIPLOMA IN INFORMATION TECHNOLOGY & ENGINEERING
SEMESTER -IV
094446 - MANAGEMENT INFORMATION SYSTEM (MIS)

RATIONALE

Content management is essential in the fast changing Internet world. The course will enable the students to acquire, store, compress and transmit multimedia information and apply to various IT enabled services including call centers and web helpdesks.

Note: The detailed contents given below are the guidelines for the teacher for teaching practically.

DETAILED CONTENTS

1. Introduction:

Concept of data, information, content; need of information management and transmission

2. Data and Information acquisition, storage and retrieval:

Internal representation of numeric and character data; acquisition of graphical data, audio data, moving image data (video), data storage and retrieval on secondary memory including floppies and CDROM, multimedia file formats; compression tools and techniques.

3. Using Internet Applications:

Using email on Windows (Outlook Express) and Linux platforms (pine); information retrieval from World Wide Web; audio, graphics, animation and video on the Internet.

4. E-books and e-journals:

Creating, uploading and downloading; issues, efficiency considerations; creating and viewing PDF and PS files.

5. Applications used in IT enabled services:

Electronic conferencing, call centers, electronic commerce, telemedicine, web help desk, data centers, medical transcription, e-library – introduction, uses, methods, content management and transmission techniques involved in the above applications.

6. Introduction to intellectual property rights:

Careers in information technology

LIST OF PRACTICALS

1. Acquisition, storage and retrieval of multimedia data using scanners, digital cameras and other input devices
2. Sending and reading e-mail using Outlook Express
3. Creation of CD for reading and writing
4. Creating uploading and downloading of e-journals
5. Compression and extraction of above multimedia information
6. Transmission and receiving multimedia information using e-mail
7. Creating and viewing PDF and PS files
8. Exposure to IT enabled services like telemedicine in PGI, call centres and medical transcription centres

RECOMMENDED BOOKS

1. Introduction to Information Technology by V Rajaraman, PHI 2000 (Chapters 1-6, 15, 17-18)
2. Management Information Systems by Robert Schulthess and Mary Summer, Tata McGraw Hill Publishers, New Delhi, 2000 (Chapter 9)

3. Design of Information System- A Modern approach, by J. Mishra, A Mohanty, Narosa Publishing House Pvt. Ltd, Daryaganj, New Delhi 110002