

## **THIRD YEAR B.SC. COMPUTER SCIENCE**

### **Paper - I : MULTIMEDIA AND WEB DESIGN**

#### **UNIT-I**

Fundamental concepts in Text and Image: Multimedia , Building Blocks of Multimedia. Multimedia and hypermedia, Desirable features of Multimedia system , Data Compression , Multimedia Applications.

#### **UNIT-II**

Multimedia Networks: Basics of Multimedia Networks, Multimedia Network Communications and Application, Quality of Multimedia Data Transmission, Multimedia over IP, Multimedia over ATM Networks.

#### **UNIT-III**

Web Designing Tools: HTML tags, Multiple tags : Nested Tags, Lists, Tables, Frames, Forms, using images in web pages, Inline images , Linking , Background Graphics , Background Color. Images and Hyperlinks.

#### **UNIT-IV**

Scripting Languages: VB script-Introduction in VB Script, Data types, operators, control structures, functions and strings.

JavaScript-Introduction to java script, Operators, identifiers, control structures, functions, arrays and error handling, objects.

#### **UNIT-V**

Server programming: Introduction to ASP, Writing simple ASP Pages, request and response objects, file inclusion, Tracking users, Application and Session object, sessions, error handling. JSP Overview, implicit objects, Standard Actions.

#### **Recommended Books :**

- 1. Fundamentals of Multimedia by Ze-Nian Li and Mark S. Drew PHI/Pearson Education.**
- 2. Internet and World Wide Web, H.M. Deitel, P.J. Deitel, A.B. Goldberg Pearson Education.**