

## **DEPARTMENT OF COMPUTER SCIENCE**

### **WEB DEVELOPMENT AND CYBER ETHICS (Skilled Based Course)**

#### **OBJECTIVES:**

- To enable the students to develop an understanding of ethical and socio-technical challenges faced by an individual, including human factors, accessibility and usability.
- To use the tools to do simple programs in python.

#### **UNIT-I**

Introduction to Data Communications and networking: Network devices: Router, Modem, Repeater, Hub, Switch, Bridge (fundamental concepts only), Categories of Networks.

#### **UNIT-II**

Web development: HTML fundamentals, JavaScript, DHTML and use of IDE for web development.

#### **UNIT-III**

Web Ethics: Network and Information security, Cryptography, Private key and Public key IPR, Copyrights, Creative Common License and Plagiarism, Plagiarism Detection tools.

#### **REFERENCE**

1. Data Communications and Networking, Fourth Edition by Behrouza A. Forouzan, TMH.
2. HTML, XHTML and CSS Bible, 5ed, Willey India- Steven M. Schafer.
3. W. Stallings- Cryptography and Network Security Principles and Practice, Person Education Asia, 2000. (3rd Edition)