Course Number and Name

BCS 201 - INTERNET PROGRAMMING

Credits and Contact Hours

2 & 30

Course Coordinator's Name

Ms Jeevitha

Text Books and References

TEXT BOOKS:

1. Deitel, Deitel and Nieto, ''Internet and World Wide Web- How to program'', Pearson Education Publishers, 5th edition, 2008.
2. Elliotte Rusty Harold, ''Java Network Programming'', O'Reilly Publishers, 2010
3. Java Script: A Beginners Guide John Pollock 4thEdition, TMH Edition (2013)
4. VB Script Beginners Guide, Jyoti B.Giramkar, Create Space Independent Publishing (2014).

REFERENCES:

1. Krishnamoorthy & S.Prabhu, ''Internet and Java Programming'', New Age International Publishers, 2010.
2. Thomno A.Powell, ''The Complete Reference HTML and XHTML'', fourth edition, Tata McGraw Hill, 2001
3. E Commerce Kamlesh K.Bajaj, DebjaniNag, Tata McGraw Hill, Second edition, 2010
1. Rajendran V and Marikani a, 'material science' tata mcgraw hill publications Ltd, 3rd edition , new delhi (2004).
2. M.Arumugam, 'material science', anuradha publications, kumbakonam (2006).

Course Description

- To impart a sound knowledge on the principles of computers involving the different application oriented topics required for all engineering branches.
- Graduates will demonstrate the ability to apply knowledge of mathematics to develop and analyze computing systems.
- Graduates will have a solid understanding of the theory and concepts underlying computer science.

Prerequisites	Co-requisites
Fundamentals of Computing and Programming	NIL

Required, elective, or Selected elective (as per Table 5-1)

Required

Course Outcomes (COs)

CO1: To enable the student to learn the major components of a computer system.

CO2: To know the correct way of solving problem.

CO3: To identify the efficient way of solving problem.

CO4: To learn to use office automation tools.

CO5: To implement office automation tools

CO6: To learn and write program in "C".

Student Outcomes (SOs) from Criterion 3 covered by this Course

COs/SOs	a	b	c	d	e	f	g	h	i	j	k
CO1	M	M	M	H	M		M			L	L
CO2	H	M	M	H	H		M			L	L
CO3	H	M		H	H		M			L	L
CO4	H	M		H	H		M			L	L
CO5	H	M	M	H	H		M			L	L
CO6	H			H	H		M			L	L

List of Topics Covered

UNIT I BASIC INTERNET CONCEPTS 6

Internet principles-I Pad dressing- Internet Service Provider (ISP) - URL- Basic web concepts- World Wide Web (WWW)- Intranet and Extranet-Internet Protocols: HTTP, TCP, UDP, FTP, Telnet- Domain Name System (DNS)- E mail- Next generation internet.

UNIT II WEB DESIGN BASICS 6

Introduction to HTML– Structure of HTML Document– Tags- Headings– Links– Images – Lists – Tables– Forms– Frames- Style sheets and its types.

UNIT III DYNAMIC HTML 6

INTRODUCTION TO DYNAMIC HTML- Object model and collections- Event model- Filters and transition- Data binding- Data control- Activex control.

UNIT IV CLIENT AND SERVER SIDE PROGRAMMING 6

VBScript & JavaScript: Introduction- Operators– Data type- Control structures- Looping– Classes and Objects– Arrays- Functions- Events- Example programs.

UNIT V INTERNET APPLICATIONS 6

Online database- functions of online database- Merits and Demerits- Internet Information Systems (IIS)- EDI applications in business and its types- Internet commerce- Types and Applications.