

## COURSE OUTLINE FOR CERTIFICATE COURSE “WEB DEVELOPER”

<i>Name of Certificate Course</i>	<i>Web Developer</i>
<i>NSQF Level</i>	5
<i>Eligibility</i>	Students pursuing undergraduate programme in any Stream
<i>Batch Size</i>	30

**TABLE-I (12 CREDITS TO BE OFFERED IN EMBEDDED MODE IN 3<sup>RD</sup>/4<sup>TH</sup>, 5<sup>TH</sup> AND 6<sup>TH</sup> SEMESTERS)**

<i>Course Code/Course Title</i>	<i>Credit Weightage</i>			<i>Duration in Number of Hours</i>
	<i>Theory</i>	<i>Practical</i>	<i>Total</i>	
<b>WDP-1</b> <i>Internet Basics and HTML</i>	2	2	4	90
<b>WDP-2</b> <i>Java Script and CSS Basics</i>	2	2	4	90
<b>WDP-3</b> <i>Introduction to PHP and MYSQL</i>	2	2	4	90

To facilitate forward linkage of skill courses of 12 credits indicated in Table-I with the earning of UGC/NSQF skill certificate, add-on courses of 18 credits as indicated in Table-II are available on optional basis.

**TABLE-II (18 CREDITS ADD-ON COURSES FOR CERTIFICATE COURSE “WEB DEVELOPER”)**

<i>Course Code/Course Title</i>	<i>Mode of training</i>	<i>Venue of training</i>	<i>Credit Weightage</i>	<i>Duration in Number of Hours</i>	<i>Semester in which to be offered</i>
<b>WDP-4</b>	Three Weeks Industrial Workshop-I	To be decided in consultation with Mentor Institution	6	90	These credits can be covered during winter vacations/ or after semester-end exams depending upon the availability of time
<b>WDP -5</b>	Three Weeks Industrial Workshop-II	To be decided in consultation with Mentor Institution	6	90	
<b>WDP -6</b>	Three Weeks Industrial Internship	To be decided in consultation with Mentor Institution	6	90	

**4<sup>th</sup> SEMESTER**  
**COMPUTER APPLICATIONS**  
**(WEB DEVELOPER)**  
**SKILL ENHANCEMENT COURSE (SEC)**

**WDP420S INTERNET BASICS AND HTML**

**CREDITS: THEORY: 2, PRACTICAL: 2**  
**MAX MARKS: THEORY: 30, PRACTICAL: 30**  
**MIN MARKS: THEORY: 12, PRACTICAL: 12**

**THEORY (2 CREDITS)**

**UNIT 1 – INTERNET BASICS (15 LECTURES)**

Communication using the Internet: Basic of Computer networks; LAN, WAN, OSI and TCP Network Models, Concept of Internet, Applications of Internet, Connecting to Internet, What is ISP, Knowing the Internet.

WWW and Web Browsers: World Wide Web, Web Browsing Software's, Search Engines, Understanding URL, Domain name, IP Address, Using e-Governance Website.

Communications and collaboration: Basics of Electronic Mail, Getting an Email Account, Sending and Receiving Emails, Accessing Sent Emails, Using Emails, Document Collaboration, Instant Messaging, Netiquettes.

**UNIT 2 – HTML (15 LECTURES)**

Introduction to Hyper Text Markup Language. Key components of HTML Document, HTML Elements, Tags and Attributes , Headers, HTML Basic Tags, Formatting Tags, Ordered List, Unordered List, Definition Lists, Nesting of Lists, Hyperlinks, Tables, Images, Images as Hyperlink, Forms, Frames, Div and Span Tags for Grouping, Using Object Tag to embed Multimedia Elements.

**REFERENCE BOOKS:**

1. Internet Basics E Douglas Commer PHI
2. Mastering HTML BPB Publications

## **PRACTICAL (2 CREDITS)**

### **LAB SHEET- INTERNET BASICS AND HTML**

1. Create an Email ID to
  - a) Send an email
  - b) Send an email to multiple participants
  - c) Delete an email
  - d) Email a picture
  - e) Email a document
2. Create HTML document with following formatting – Bold, Italics, Underline, Colors, Headings, Title, Font and Font Width, Background, Paragraph, Line Brakes, Horizontal Line, Blinking text as well as marquee text.
3. Design a webpage that displays your information (Bio-data) using basic HTML Tags
4. Create HTML document and demonstrate Inserting Images, Internal and External linking
5. Create a table with the following data

Roll Number	Practical Marks		Total
	Internal	External	
4801	25	26	51
4802	24	25	49
4803	20	24	44

6. Design a webpage to print the following:

**A. Courses**

- a. BCA
- b. BBA
- c. BSC IT
- d. BA
- e. BSC
- f. BMMMC

**B. Semester**

- First Semester
- Second Semester
- Third Semester
- Fourth Semester
- Fifth Semester
- Sixth Semester

**C. Batch**

- I.** 2018
- II.** 2019
- III.** 2020
- IV.** 2021

7. Write HTML code to demonstrate use of frames in a web page.
8. Write an HTML code to generate the following output

### Registration Form

Username:

Password:

Confirm Password:

First Name:

Last Name:

Email:

Phone Number:

Gender:

Female



SUBMIT

RESET