

<b>RGPV (DIPLOMA WING) BHOPAL</b>		<b>OBE CURRICULUM FOR THE COURSE</b>			<b>FORMAT-3</b>	<b>Sheet No. 1</b>
<b>Branch</b>	<b>Computer Science and Engineering</b>				<b>Semester</b>	<b>Third</b>
<b>Course Code</b>	<b>C04</b>	<b>Course Name</b>	<b>Web Technology</b>			
					<b>Teach Hrs</b>	<b>Marks</b>
<b>Course Outcome 1</b>	<ul style="list-style-type: none"> <li>• Introduce the fundamental concept of web structure and creation of static webpage.</li> </ul>				24	25 (20+10)
<b>Learning Outcome 1</b>	<ul style="list-style-type: none"> <li>• Discuss the concept of web design principles and its architecture.</li> </ul>				6	10 (TW)
<b>Contents</b>	<ul style="list-style-type: none"> <li>• Introduction of Web Technologies <ul style="list-style-type: none"> <li>○ Web Protocols and programs</li> <li>○ Secure connections</li> <li>○ Application and development tools</li> <li>○ Web browser and Web server</li> </ul> </li> <li>• Web Design: <ul style="list-style-type: none"> <li>○ Web site design principles</li> <li>○ Planning the site and navigation</li> <li>○ Architecture of Web based systems- <ul style="list-style-type: none"> <li>▪ Client/server (2-tier) architecture, 3-Tier architecture</li> </ul> </li> </ul> </li> </ul>					

<b>Method of Assessment</b>	Internal Quiz/Assignments		
<b>Learning Outcome 2</b>	<ul style="list-style-type: none"> <li>Define the various tags which is used to create the layout of the webpage.</li> </ul>	10	10 (ET)
<b>Contents</b>	<ul style="list-style-type: none"> <li>Introduction to HTML <ul style="list-style-type: none"> <li>Prologue</li> <li>Head section – Link, Base, Meta, Script, Style</li> <li>Body Section – Header, Paragraphs, Text Formatting, Anchor, Images, Lists, Tables, Frames, Phrase (Special Purpose)</li> <li>Other Special Tags and Characters</li> </ul> </li> </ul>		
<b>Method of Assessment</b>	End Term Theory Examination		
<b>Learning Outcome 3</b>	<ul style="list-style-type: none"> <li>Identify how to create a simple web page and adding a form to collect various user inputs.</li> </ul>	8	10 (IP)
<b>Contents</b>	<ul style="list-style-type: none"> <li>HTML Forms <ul style="list-style-type: none"> <li>Form Attributes and Elements</li> <li>Form Inputs types (text, submit, reset, radio, date, password, etc)</li> </ul> </li> </ul>		
<b>Method of Assessment</b>	Internal Practical Programs		
<b>Course Outcome 2</b>	<ul style="list-style-type: none"> <li>Discuss the various functions of JavaScript to build dynamic webpage creation.</li> </ul>	28	35 (10+25)
<b>Learning Outcome 1</b>	<ul style="list-style-type: none"> <li>Develop program using basic feature of JavaScript.</li> </ul>	10	10 (PT-I)

<b>Contents</b>	<ul style="list-style-type: none"> <li>• Introduction to JavaScript</li> <li>• Elements of JavaScript – <ul style="list-style-type: none"> <li>○ Identifiers</li> <li>○ Expressions</li> <li>○ Keywords</li> <li>○ Operators</li> <li>○ Conditional Statements(if-else, switch)</li> <li>○ Iterative Statements(while, do-while, for and foreach)</li> <li>○ Functions</li> </ul> </li> </ul>		
<b>Method of Assessment</b>	Internal Theory Examination		
<b>Learning Outcome 2</b>	<ul style="list-style-type: none"> <li>• Write JavaScript to design a form to accept input values for the given problem.</li> </ul>	10	15 (EP)
<b>Contents</b>	<ul style="list-style-type: none"> <li>• Object of JavaScript – <ul style="list-style-type: none"> <li>○ Window Object: <ul style="list-style-type: none"> <li>▪ Introduction, Methods, Navigator, Popup Alert</li> </ul> </li> <li>○ Document Object: <ul style="list-style-type: none"> <li>▪ Introduction, Methods, Documents, Elements etc.</li> </ul> </li> </ul> </li> </ul>		
<b>Method of Assessment</b>	External Practical Examination		

<b>Learning Outcome 3</b>	<ul style="list-style-type: none"> <li>• Use form controls with validation of user inputs.</li> </ul>	8	10 (ET)
<b>Contents</b>	<ul style="list-style-type: none"> <li>• Forms Objects, <ul style="list-style-type: none"> <li>○ Text Boxes</li> <li>○ Text Areas,</li> <li>○ Buttons</li> <li>○ Radio Buttons</li> <li>○ Check Boxes</li> </ul> </li> <li>• Other Object – Date Object, Math Object, String Object, Arrays, Examples</li> </ul>		
<b>Method of Assessment</b>	End Term Theory Examination		
<b>Course Outcome 3</b>	<ul style="list-style-type: none"> <li>• Describe the importance of CSS and Bootstrap in webpage deigning.</li> </ul>	28	25 (5+20)
<b>Learning Outcome 1</b>	<ul style="list-style-type: none"> <li>• Demonstrate various staling and way of adding CSS in Web documents.</li> </ul>	10	10 (ET)
<b>Contents</b>	<ul style="list-style-type: none"> <li>• Introduction to CSS</li> <li>• Cascading Style Sheet (CSS) – <ul style="list-style-type: none"> <li>○ Coding</li> <li>○ Set properties and values for various tags</li> <li>○ Other Style Values</li> </ul> </li> <li>• Style Sheet</li> </ul>		

	<ul style="list-style-type: none"> <li>○ In-Line, Embedded and External</li> <li>● Selector <ul style="list-style-type: none"> <li>○ Class, ID and Contextual</li> </ul> </li> </ul>		
<b>Method of Assessment</b>	End Term Theory Examination		
<b>Learning Outcome 2</b>	<ul style="list-style-type: none"> <li>● Create dynamic styles in HTML document.</li> </ul>	8	10 (ET)
<b>Contents</b>	<ul style="list-style-type: none"> <li>● Introduction to DOM <ul style="list-style-type: none"> <li>○ Method</li> <li>○ Documents and Elements</li> <li>○ DOM CSS in Document</li> </ul> </li> </ul>		
<b>Method of Assessment</b>	End Term Theory Examination		
<b>Learning Outcome 3</b>	<ul style="list-style-type: none"> <li>● Build responsive website using various components of Bootstrap.</li> </ul>	10	5 (IP)
<b>Contents</b>	<ul style="list-style-type: none"> <li>● Introduction to Bootstrap framework <ul style="list-style-type: none"> <li>○ Bootstrap Grid system</li> <li>○ Bootstrap tables, Images, Buttons</li> <li>○ Navigation Bar, Filters</li> </ul> </li> </ul>		
<b>Method of Assessment</b>	Internal Quiz/Assignments		

<b>Course Outcome 4</b>	<ul style="list-style-type: none"> <li>• Discuss the basic concepts and analyzed data processing in PHP.</li> </ul>	40	45 (10+35)
<b>Learning Outcome 1</b>	<ul style="list-style-type: none"> <li>• Develop program using various elements and control statements.</li> </ul>	12	10 (ET)
<b>Contents</b>	<ul style="list-style-type: none"> <li>• Introduction of PHP</li> <li>• Element of PHP: <ul style="list-style-type: none"> <li>○ Variables</li> <li>○ Data Types</li> <li>○ Operators and Expressions</li> <li>○ Constants</li> <li>○ Comment</li> </ul> </li> <li>• Flow Control in PHP: <ul style="list-style-type: none"> <li>○ Switch</li> <li>○ Loops (while, do-while, for and foreach)</li> </ul> </li> </ul>		
<b>Method of Assessment</b>	End Term Theory Examination		
<b>Learning Outcome 2</b>	<ul style="list-style-type: none"> <li>• Describe the importance of functions and array in PHP.</li> </ul>	8	10 (ET)
<b>Contents</b>	<ul style="list-style-type: none"> <li>• Working with function <ul style="list-style-type: none"> <li>○ Creating Function</li> <li>○ Calling with or without arguments</li> </ul> </li> <li>• Calling with Static Statements</li> </ul>		

	<ul style="list-style-type: none"> <li>○ Working with Arrays</li> <li>○ Creating Array and its type</li> <li>○ Array Related Functions and Operation</li> </ul>		
<b>Method of Assessment</b>	End Term Theory Examination		
<b>Learning Outcome 3</b>	<ul style="list-style-type: none"> <li>• Learn the Object oriented approach and its functionality.</li> </ul>	8	10 (PT-II)
<b>Contents</b>	<ul style="list-style-type: none"> <li>• Working with Objects: <ul style="list-style-type: none"> <li>○ Creating Objects</li> <li>○ Object Instance</li> </ul> </li> <li>• Working with Strings: <ul style="list-style-type: none"> <li>○ Formatting strings</li> <li>○ Manipulating Strings</li> </ul> </li> <li>• Dates and Time: <ul style="list-style-type: none"> <li>○ Using Date and Time Functions in PHP</li> </ul> </li> </ul>		
<b>Method of Assessment</b>	Internal Theory Examination		
<b>Learning Outcome 4</b>	<ul style="list-style-type: none"> <li>• Create the webpage using multiple forms for the given problem and collect forms data after submission.</li> </ul>	12	15 (EP)
<b>Contents</b>	<ul style="list-style-type: none"> <li>• Working with Forms: <ul style="list-style-type: none"> <li>○ Super Global Variables</li> </ul> </li> </ul>		

	<ul style="list-style-type: none"> <li>○ Accessing the Form Input</li> <li>○ Working with File Uploads</li> </ul>		
<b>Method of Assessment</b>	External Practical Examination		
<b>Course Outcome 5</b>	<ul style="list-style-type: none"> <li>• Develop Simple web based application and perform database operation in PHP.</li> </ul>	30	20 (10+10)
<b>Learning Outcome 1</b>	<ul style="list-style-type: none"> <li>• Create a database for a given problem in PHP Script.</li> </ul>	15	10 (ET)
<b>Contents</b>	<ul style="list-style-type: none"> <li>• PHP Databases: <ul style="list-style-type: none"> <li>○ Basic Command With PHP Examples</li> <li>○ Connection To Server</li> <li>○ PHP MyAdmin and Database Bugs</li> <li>○ Creating Database</li> <li>○ Selecting A Database</li> <li>○ Listing Database</li> <li>○ Listing Table names</li> </ul> </li> </ul>		
<b>Method of Assessment</b>	End Term Theory Examination		
<b>Learning Outcome 2</b>	<ul style="list-style-type: none"> <li>• Perform various operations for a given a database problem using PHP Script.</li> </ul>	15	10 (IP)

<b>Contents</b>	<ul style="list-style-type: none"> <li>• Creating A Table <ul style="list-style-type: none"> <li>○ Altering Tables</li> <li>○ Inserting Data</li> <li>○ Deleting Data</li> <li>○ Update Data</li> <li>○ Deleting Tables &amp; Database</li> </ul> </li> </ul>		
<b>Method of Assessment</b>	Internal Practical Examination		

Abbreviation:

PT: Progressive Test

TW: Term Work

EP: External Practical

ET: External Theory

IP: Internal Practical

RGPV (Diploma Wing ) Bhopal		SCHEME FOR LEARNING OUTCOME			Branch Code			Course Code			CO Code	LO Code	Format No. <b>4</b>
<b>COURSE NAME</b>	<b>Web Technology</b>												
<b>CO Description</b>	Introduce the fundamental concept of web structure and creation of static webpage.												
<b>LO Description</b>	Discuss the concept of web design principles and its architecture.												
SCHEME OF STUDY													
S. No.	Learning Content	Teaching –Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required	Remarks						
1	<b>Introduction of Web Technologies</b> <ul style="list-style-type: none"> <li>○ Web Protocols and programs</li> <li>○ Secure connections</li> <li>○ Application and development tools</li> <li>○ Web browser and Web server</li> </ul> <b>Web Design:</b> <ul style="list-style-type: none"> <li>○ Web site design principles</li> <li>○ Planning the site and navigation</li> <li>○ Architecture of Web based systems- Client/server (2-tier) architecture, 3-Tier architecture</li> </ul>	Traditional Lecture method + Handout	Teacher will explain the contents and provide handout to students.	06	0	Handouts / Books / E-Contents	NIL						
SCHEME OF ASSESSMENT													
S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal								
1	Internal Quiz/Assignments	Term Work	10	Assignment /quiz questions	Internal								
ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)													

<b>RGPV (Diploma Wing ) Bhopal</b>		<b>SCHEME FOR LEARNING OUTCOME</b>			Branch Code			Course Code			CO Code	LO Code	Format No. <b>4</b>
<b>COURSE NAME</b>	<b>Web Technology</b>												
<b>CO Description</b>	Introduce the fundamental concept of web structure and creation of static webpage.												
<b>LO Description</b>	Define the various tags which is used to create the layout of the webpage.												
<b>SCHEME OF STUDY</b>													
<b>S. No.</b>	<b>Learning Content</b>	<b>Teaching –Learning Method</b>	<b>Description of T-L Process</b>	<b>Teach Hrs.</b>	<b>Pract. /Tut Hrs.</b>	<b>LRs Required</b>						<b>Remarks</b>	
1	<b>Introduction to HTML</b> ○ Prologue ○ Head section – Link, Base, Meta, Script, Style ○ Body Section – Header, Paragraphs, Text Formatting, Anchor, Images, Lists, Tables, Frames, Phrase (Special Purpose) ○ Other Special Tags and Characters	Traditional Lecture method + Handout	Teacher will explain the contents and provide handout to students.	6	4	Handouts / Books / E-Contents						NIL	
<b>SCHEME OF ASSESSMENT</b>													
<b>S. No.</b>	<b>Method of Assessment</b>	<b>Description of Assessment</b>	<b>Maximum Marks</b>		<b>Resources Required</b>			<b>External / Internal</b>					
1	End Term Theory Examination	End Term	10		Test paper			External					
<b>ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)</b>													

<b>RGPV (Diploma Wing ) Bhopal</b>		<b>SCHEME FOR LEARNING OUTCOME</b>			Branch Code			Course Code			CO Code	LO Code	Format No. <b>4</b>
<b>COURSE NAME</b>	<b>Web Technology</b>												
<b>CO Description</b>	Introduce the fundamental concept of web structure and creation of static webpage.												
<b>LO Description</b>	Identify how to create a simple web page and adding a form to collect various user inputs.												
<b>SCHEME OF STUDY</b>													
<b>S. No.</b>	<b>Learning Content</b>	<b>Teaching –Learning Method</b>	<b>Description of T-L Process</b>	<b>Teach Hrs.</b>	<b>Pract. /Tut Hrs.</b>	<b>LRs Required</b>						<b>Remarks</b>	
1	<b>HTML Forms</b> ○ Form Attributes and Elements ○ Form Inputs types (text, submit, reset, radio, date, password, etc)	Traditional Lecture method + Handout	Teacher will explain the contents and provide handout to students.	04	04	Handouts / Books / E-Contents						NIL	
<b>SCHEME OF ASSESSMENT</b>													
<b>S. No.</b>	<b>Method of Assessment</b>	<b>Description of Assessment</b>			<b>Maximum Marks</b>	<b>Resources Required</b>					<b>External / Internal</b>		
1	Internal Practical Programs	<b>Practical</b>			<b>10</b>	<b>Lab file</b>					<b>Internal</b>		
<b>ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)</b>													

RGPV (Diploma Wing ) Bhopal		SCHEME FOR LEARNING OUTCOME				Branch Code			Course Code			CO Code	LO Code	Format No. <b>4</b>
						M	0	2	2	0	3	5	2	
<b>COURSE NAME</b>	<b>Web Technology</b>													
<b>CO Description</b>	Discuss the various functions of JavaScript to build dynamic webpage creation.													
<b>LO Description</b>	Develop program using basic feature of JavaScript.													
SCHEME OF STUDY														
S. No.	Learning Content				Teaching – Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required		Remarks			
1	<b>Introduction to JavaScript</b> <b>Elements of JavaScript –</b> <ul style="list-style-type: none"> <li>○ Identifiers</li> <li>○ Expressions</li> <li>○ Keywords</li> <li>○ Operators</li> <li>○ Conditional Statements(if-else, switch)</li> <li>○ Iterative Statements(while, do-while, for and foreach)</li> <li>○ Functions</li> </ul>				Traditional Lecture method + Handout	Teacher will explain the contents and provide handout to students.	06	04	Handouts / Books / E- Contents		NIL			
SCHEME OF ASSESSMENT														
S. No.	Method of Assessment			Description of Assessment	Maximum Marks			Resources Required		External / Internal				
1	Internal Theory Examination			<b>Progressive Test</b>	<b>10</b>			<b>Test Paper</b>		<b>Internal</b>				
ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)														

<b>RGPV (Diploma Wing ) Bhopal</b>		<b>SCHEME FOR LEARNING OUTCOME</b>			Branch Code			Course Code			CO Code	LO Code	Format No. <b>4</b>
<b>COURSE NAME</b>	<b>Web Technology</b>												
<b>CO Description</b>	Discuss the various functions of JavaScript to build dynamic webpage creation.												
<b>LO Description</b>	Write JavaScript to design a form to accept input values for the given problem.												
<b>SCHEME OF STUDY</b>													
<b>S. No.</b>	<b>Learning Content</b>	<b>Teaching –Learning Method</b>	<b>Description of T-L Process</b>	<b>Teach Hrs.</b>	<b>Pract. /Tut Hrs.</b>	<b>LRs Required</b>			<b>Remarks</b>				
1	<b>Object of JavaScript –</b> ○ Window Object: Introduction, Methods, Navigator, Popup Alert ○ Document Object: Introduction, Methods, Documents, Elements etc.	Traditional Lecture method + Handout	Teacher will explain the contents and provide handout to students.	06	04	Handouts / Books / E- Contents			NIL				
<b>SCHEME OF ASSESSMENT</b>													
<b>S. No.</b>	<b>Method of Assessment</b>	<b>Description of Assessment</b>			<b>Maximum Marks</b>	<b>Resources Required</b>			<b>External / Internal</b>				
1	External Practical Examination	Practical			15	Lab file			External				
<b>ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)</b>													

<b>RGPV (Diploma Wing ) Bhopal</b>		<b>SCHEME FOR LEARNING OUTCOME</b>			Branch Code			Course Code			CO Code	LO Code	Format No. <b>4</b>
<b>COURSE NAME</b>	<b>Web Technology</b>												
<b>CO Description</b>	Discuss the various functions of JavaScript to build dynamic webpage creation.												
<b>LO Description</b>	Use form controls with validation of user inputs.												
<b>SCHEME OF STUDY</b>													
<b>S. No.</b>	<b>Learning Content</b>	<b>Teaching – Learning Method</b>	<b>Description of T-L Process</b>	<b>Teach Hrs.</b>	<b>Pract. /Tut Hrs.</b>	<b>LRs Required</b>			<b>Remarks</b>				
1	<b>Forms Objects,</b> <ul style="list-style-type: none"> <li>○ Text Boxes</li> <li>○ Text Areas,</li> <li>○ Buttons</li> <li>○ Radio Buttons</li> <li>○ Check Boxes</li> </ul> <b>Other Object</b> – Date Object, Math Object, String Object, Arrays, Examples	Traditional Lecture method + Handout	Teacher will explain the contents and provide handout to students.	05	03	Handouts / Books / E-Contents			NIL				
<b>SCHEME OF ASSESSMENT</b>													
<b>S. No.</b>	<b>Method of Assessment</b>	<b>Description of Assessment</b>		<b>Maximum Marks</b>	<b>Resources Required</b>			<b>External / Internal</b>					
1	End Term Theory Examination	End term		10	Test Paper			External					
<b>ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)</b>													

RGPV (Diploma Wing ) Bhopal		SCHEME FOR LEARNING OUTCOME			Branch Code			Course Code			CO Code	LO Code	Format No. <b>4</b>
<b>COURSE NAME</b>	<b>Web Technology</b>												
<b>CO Description</b>	Describe the importance of CSS and XML in webpage deigning.												
<b>LO Description</b>	Demonstrate various staling and way of adding in documents.												
SCHEME OF STUDY													
S. No.	Learning Content	Teaching – Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required	Remarks						
1	<b>Introduction to CSS</b> <ul style="list-style-type: none"> <li>○ Coding</li> <li>○ Set properties and values for various tags</li> <li>○ Other Style Values</li> <li>○ Style Sheet: In-Line, Embedded and External</li> <li>○ Selector: Class, ID and Contextual</li> </ul>	Traditional Lecture method + Handout	Teacher will explain the contents and provide handout to students.	06	04	Handouts / Books / E-Contents	NIL						
SCHEME OF ASSESSMENT													
S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal								
1	End Term Theory Examination	End Term	10	Test paper	External								
ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)													

<b>RGPV (Diploma Wing ) Bhopal</b>		<b>SCHEME FOR LEARNING OUTCOME</b>			Branch Code			Course Code			CO Code	LO Code	Format No. <b>4</b>
<b>COURSE NAME</b>	<b>Web Technology</b>												
<b>CO Description</b>	Describe the importance of CSS and XML in webpage deigning.												
<b>LO Description</b>	Create dynamic styles in HTML document.												
<b>SCHEME OF STUDY</b>													
<b>S. No.</b>	<b>Learning Content</b>	<b>Teaching – Learning Method</b>	<b>Description of T-L Process</b>	<b>Teach Hrs.</b>	<b>Pract. /Tut Hrs.</b>	<b>LRs Required</b>			<b>Remarks</b>				
1	<b>Introduction to DOM</b> ○ Method ○ Documents and Elements ○ DOM CSS in Document	Traditional Lecture method + Handout	Teacher will explain the contents and provide handout to students.	06	02	Handouts / Books / E- Contents			NIL				
<b>SCHEME OF ASSESSMENT</b>													
<b>S. No.</b>	<b>Method of Assessment</b>	<b>Description of Assessment</b>		<b>Maximum Marks</b>	<b>Resources Required</b>				<b>External / Internal</b>				
1	End Term Theory Examination	End term		10	Test paper				external				
<b>ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)</b>													

<b>RGPV (Diploma Wing ) Bhopal</b>		<b>SCHEME FOR LEARNING OUTCOME</b>			Branch Code			Course Code			CO Code	LO Code	Format No. <b>4</b>
<b>COURSE NAME</b>	<b>Web Technology</b>												
<b>CO Description</b>	Describe the importance of CSS and XML in webpage deigning.												
<b>LO Description</b>	Build responsive website using various components of Bootstrap.												
<b>SCHEME OF STUDY</b>													
<b>S. No.</b>	<b>Learning Content</b>	<b>Teaching –Learning Method</b>	<b>Description of T-L Process</b>	<b>Teach Hrs.</b>	<b>Pract. /Tut Hrs.</b>	<b>LRs Required</b>						<b>Remarks</b>	
1	<b>Introduction to Bootstrap framework</b> ○ Bootstrap Grid system ○ Bootstrap tables, Images, Buttons ○ Navigation Bar, Filters	Traditional Lecture method + Handout	Teacher will explain the contents and provide handout to students.	05	05	Handouts / Books / E- Contents						NIL	
<b>SCHEME OF ASSESSMENT</b>													
<b>S. No.</b>	<b>Method of Assessment</b>	<b>Description of Assessment</b>	<b>Maximum Marks</b>	<b>Resources Required</b>			<b>External / Internal</b>						
1	Internal Practical Programs	<b>Practical</b>	<b>5</b>	<b>Lab file</b>			<b>Internal</b>						
<b>ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)</b>													

RGPV (Diploma Wing ) Bhopal		SCHEME FOR LEARNING OUTCOME			Branch Code			Course Code			CO Code	LO Code	Format No. <b>4</b>
<b>COURSE NAME</b>	<b>Web Technology</b>												
<b>CO Description</b>	Discuss the basic concepts and analyzed data processing in PHP.												
<b>LO Description</b>	Develop program using various elements and control statements.												
SCHEME OF STUDY													
S. No.	Learning Content	Teaching – Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required	Remarks						
1	<b>Introduction of PHP</b> Element of PHP: <ul style="list-style-type: none"> <li>○ Variables</li> <li>○ Data Types</li> <li>○ Operators and Expressions</li> <li>○ Constants</li> <li>○ Comment</li> </ul> Flow Control in PHP: <ul style="list-style-type: none"> <li>○ Switch</li> <li>○ Loops (while, do-while, for and foreach)</li> </ul>	Traditional Lecture method + Handout	Teacher will explain the contents and provide handout to students.	08	04	Handouts / Books / E- Contents	NIL						
SCHEME OF ASSESSMENT													
S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal								
1	End Term Theory Examination	End term	10	Test paper	External								

**ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)**

<b>RGPV (Diploma Wing ) Bhopal</b>	<b>SCHEME FOR LEARNING OUTCOME</b>	Branch Code			Course Code			CO Code	LO Code	Format No. <b>4</b>

<b>COURSE NAME</b>	<b>Web Technology</b>
<b>CO Description</b>	Discuss the basic concepts and analyzed data processing in PHP.
<b>LO Description</b>	Describe the importance of functions and array in PHP.

**SCHEME OF STUDY**

S. No.	Learning Content	Teaching – Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required	Remarks
1	Working with function ○ Creating Function ○ Calling with or without arguments Calling with Static Statements Working with Arrays ○ Creating Array and its type Array Related Functions and Operation	Traditional Lecture method + Handout	Teacher will explain the contents and provide handout to students.	05	03	Handouts / Books / E- Contents	NIL

**SCHEME OF ASSESSMENT**

S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal
1	End Term Theory Examination	End Term	10	Test Paper	External

**ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)**

<b>RGPV (Diploma Wing ) Bhopal</b>		<b>SCHEME FOR LEARNING OUTCOME</b>			Branch Code		Course Code		CO Code	LO Code	Format No. <b>4</b>
<b>COURSE NAME</b>	<b>Web Technology</b>										
<b>CO Description</b>	Discuss the basic concepts and analyzed data processing in PHP.										
<b>LO Description</b>	Learn the Object oriented approach and its functionality.										
<b>SCHEME OF STUDY</b>											
<b>S. No.</b>	<b>Learning Content</b>	<b>Teaching –Learning Method</b>	<b>Description of T-L Process</b>	<b>Teach Hrs.</b>	<b>Pract. /Tut Hrs.</b>	<b>LRs Required</b>	<b>Remarks</b>				
1	Working with Objects: ○ Creating Objects ○ Object Instance Working with Strings: ○ Formatting strings ○ Manipulating Strings Dates and Time: ○ Using Date and Time Functions in PHP	Traditional Lecture method + Handout	Teacher will explain the contents and provide handout to students.	05	03	Handouts / Books / E- Contents	NIL				
<b>SCHEME OF ASSESSMENT</b>											
<b>S. No.</b>	<b>Method of Assessment</b>	<b>Description of Assessment</b>	<b>Maximum Marks</b>	<b>Resources Required</b>		<b>External / Internal</b>					
1	Internal Theory Examination	<b>Progressive Test</b>	<b>10</b>	<b>Paper Pen Test</b>		<b>Internal</b>					
<b>ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)</b>											

<b>RGPV (Diploma Wing ) Bhopal</b>		<b>SCHEME FOR LEARNING OUTCOME</b>			Branch Code		Course Code		CO Code	LO Code	Format No. <b>4</b>
<b>COURSE NAME</b>	<b>Web Technology</b>										
<b>CO Description</b>	Discuss the basic concepts and analyzed data processing in PHP.										
<b>LO Description</b>	Create the webpage using multiple forms for the given problem and collect forms data after submission.										
<b>SCHEME OF STUDY</b>											
<b>S. No.</b>	<b>Learning Content</b>	<b>Teaching –Learning Method</b>	<b>Description of T-L Process</b>	<b>Teach Hrs.</b>	<b>Pract. /Tut Hrs.</b>	<b>LRs Required</b>	<b>Remarks</b>				
1	Working with Forms: ○ Super Global Variables ○ Accessing the Form Input ○ Working with File Uploads	Traditional Lecture method + Handout	Teacher will explain the contents and provide handout to students.	06	06	Handouts / Books / E- Contents	NIL				
<b>SCHEME OF ASSESSMENT</b>											
<b>S. No.</b>	<b>Method of Assessment</b>	<b>Description of Assessment</b>	<b>Maximum Marks</b>			<b>Resources Required</b>	<b>External / Internal</b>				
1	External Practical Examination	<b>Practical</b>	<b>15</b>			<b>Lab file</b>	<b>External</b>				
<b>ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)</b>											

<b>RGPV (Diploma Wing ) Bhopal</b>		<b>SCHEME FOR LEARNING OUTCOME</b>			Branch Code		Course Code		CO Code	LO Code	Format No. <b>4</b>
<b>COURSE NAME</b>		<b>Web Technology</b>									
<b>CO Description</b>		Develop Simple web based application and perform database operation in PHP.									
<b>LO Description</b>		Create a database for a given problem in PHP Script.									
<b>SCHEME OF STUDY</b>											
S. No.	Learning Content	Teaching –Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required	Remarks				
1	<b>PHP Databases:</b> <ul style="list-style-type: none"> <li>○ Basic Command With PHP Examples</li> <li>○ Connection To Server</li> <li>○ PHP MyAdmin and Database Bugs</li> <li>○ Creating Database</li> <li>○ Selecting A Database</li> <li>○ Listing Database</li> <li>○ Listing Table names</li> </ul>	Traditional Lecture method + Handout	Teacher will explain the contents and provide handout to students.	07	08	Handouts / Books / E-Contents	NIL				
<b>SCHEME OF ASSESSMENT</b>											
S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal						
1	End Term Theory Examination	End term	10	Test paper	External						
<b>ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)</b>											

<b>RGPV (Diploma Wing ) Bhopal</b>		<b>SCHEME FOR LEARNING OUTCOME</b>			Branch Code			Course Code			CO Code	LO Code	Format No. <b>4</b>
<b>COURSE NAME</b>	<b>Web Technology</b>												
<b>CO Description</b>	Develop Simple web based application and perform database operation in PHP.												
<b>LO Description</b>	Perform various operations for a given a database problem using PHP Script.												
<b>SCHEME OF STUDY</b>													
<b>S. No.</b>	<b>Learning Content</b>	<b>Teaching –Learning Method</b>	<b>Description of T-L Process</b>	<b>Teach Hrs.</b>	<b>Pract. /Tut Hrs.</b>	<b>LRs Required</b>	<b>Remarks</b>						
1	<b>Creating A Table</b> ○ Altering Tables ○ Inserting Data ○ Deleting Data ○ Update Data ○ Deleting Tables & Database	Traditional Lecture method + Handout	Teacher will explain the contents and provide handout to students.	06	09	Handouts / Books / E- Contents	NIL						
<b>SCHEME OF ASSESSMENT</b>													
<b>S. No.</b>	<b>Method of Assessment</b>	<b>Description of Assessment</b>	<b>Maximum Marks</b>	<b>Resources Required</b>	<b>External / Internal</b>								
1	Internal Practical Examination	<b>Practical</b>	<b>10</b>	<b>Lab file</b>	<b>Internal</b>								
<b>ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)</b>													

# Web Technology

Course Outcome (COs) and Learning Outcome (LOs):

Total Teaching Hours: 120

Total Marks: 150 (100(Theory) :{ External (70) + Internal (30)}, 50(Practical) :{ External (30) + Internal (20)})

COs		Teaching Hours	Assessment Marks	
			Internal	External
<b>CO-1</b>	Introduce the fundamental concept of web structure and creation of static webpage.	24		
	<b>LO-1</b> Discuss the concept of web design principles and its architecture	6	TW (10)	
	<b>LO-2</b> Define the various tags which is used to create the layout of the webpage.	10		END TERM (10)
	<b>LO-3</b> Identify how to create a simple web page and adding a form to collect various user inputs.	8	Practical(5)	
<b>CO-2</b>	Discuss the various functions of JavaScript to build dynamic webpage creation.	28		
	<b>LO-1</b> Develop program using basic feature of JavaScript.	10	PT(10)	
	<b>LO-2</b> Write JavaScript to design a form to accept input values for the given problem.	10		Practical(15)
	<b>LO-3</b> Use form controls with validation of user inputs.	8		END TERM(10)
<b>CO-3</b>	Describe the importance of CSS and Bootstrap in webpage deigning.	28		
	<b>LO-1</b> Demonstrate various staling and way of adding CSS in Web documents.	10		END TERM (10)
	<b>LO-2</b> Create dynamic styles in HTML document.	8		END TERM (10)
	<b>LO-3</b> Build responsive website using various components of Bootstrap.	10	Practical(5)	
<b>CO-4</b>	Discuss the basic concepts and analyzed data processing in PHP.	40		
	<b>LO-1</b> Develop program using various elements and control statements.	12		END TERM (10)

	<b>LO-2</b>	Describe the importance of functions and array in PHP.	8		END TERM (10)
	<b>LO-3</b>	Learn the Object oriented approach and its functionality.	8	PT(10)	
	<b>LO-4</b>	Create the webpage using multiple forms for the given problem and collect forms data after submission.	12		Practical (15)
<b>CO-5</b>	Develop Simple web based application and perform database operation in PHP.		30		
	<b>LO-1</b>	Create a database for a given problem in PHP Script.	15		END TERM (10)
	<b>LO-2</b>	Perform various operations for a given a database problem using PHP Script.	15	Practical (10)	

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