



# GUJARAT TECHNOLOGICAL UNIVERSITY

Bachelor of Vocation (B.Voc), 3<sup>rd</sup> Semester

Branch: Information Technology

Subject Name: PHP-Lab

Subject Code: 1130506

**Type of course:** Core

**Prerequisite:** PHP Programming Lab

**Rationale:** PHP is a powerful tool for making dynamic and interactive database driven web pages. PHP is the widely-used as efficient open source technology. The students of diploma in Information Technology as web developers would be able to write dynamic interactive web-based applications.

## Teaching and Examination Scheme:

| Teaching Scheme |   |   | Credits | Examination Marks |         |                 |    | Total Marks |
|-----------------|---|---|---------|-------------------|---------|-----------------|----|-------------|
| L               | T | P |         | Theory Marks      |         | Practical Marks |    |             |
|                 |   |   | ESE (E) | PA (M)            | ESE (V) | PA (I)          |    |             |
| -               | - | 2 | 2       | -                 | -       | 30              | 20 | 50          |

L- Lectures; T- Tutorial/Teacher Guided Student Activity; P- Practical; C- Credit; ESE- End Semester Examination; PA- Progressive Assessment.

Experiments to be covered based on the theory covered in class.

## Content:

| Sr. No. | Content   | Total Hrs. | % Weightage |
|---------|---|------------|-------------|
| 1       | Write a program to print "Hello World" using echo.  | 2          | 4           |
| 2       | a. Find the largest and smallest numbers using loops.<br>b. Find the third largest number using if condition.   | 2          | 10          |
| 3       | a. Check whether given number is prime or not.<br>b. Check whether given string is palindrome or not.   | 2          | 10          |
| 4       | a. Given two numbers x and n, compute $x^n$<br>b. Send and Receive data using get and post method   | 4          | 10          |
| 5       | a. Write a program to show data into PHP web-page.<br>b. Write a program to show day of the week using switch.<br>c. Write a program to create Chess board in PHP using for loop<br>d. Write a program to check student grade based on marks. | 4          | 10          |
| 6       | Write a program to save, retrieve and destroy session in PHP.   | 2          | 10          |
| 7       | Write a program to evaluate the PHP Array to String Conversion.   | 2          | 10          |
| 8       | Write a program to accessing, removing, adding the elements in PHP array.   | 2          | 8           |
| 9       | Write a program to produce data into JSON format from database.   | 4          | 8           |
| 10      | Write a PHP program to perform insert, update, delete and select records from Database.   | 4          | 20          |
|         | <b>Total</b>  | <b>28</b>  | <b>100</b>  |

## Reference Books:

1. Beginning PHP and MySQL, 4<sup>th</sup> Edition
2. PHP: The Complete Reference
3. Learning PHP, MySQL, JavaScript, CSS & HTML 5



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## Course Outcomes:

| Sr. No. | CO Statement  | Marks %<br>Weightage |
|---------|---|----------------------|
| CO-1    | Create small programs using basic PHP concepts                                      | 10                   |
| CO-2    | Apply In-Built and Create User defined functions in PHP programming                 | 20                   |
| CO-3    | Design and develop a Web site using form controls for presenting web based content. | 15                   |
| CO-4    | Debug the Programmes by applying concepts and error handling techniques of PHP.     | 25                   |
| CO-5    | Create dynamic Website/ Web based Applications, using PHP, MySQL database           | 30                   |

## List of Open Source Software/learning website:

Students must refer to following sites to enhance their learning ability.

Software: WAMP server / XAMPP server, 'C' Panel, Text Editor

- 1) <http://www.codecademy.com/tracks/web> ,
- 2) <http://www.codecademy.com/tracks/php>
- 3) <http://www.w3schools.com/PHP>
- 4) <http://www.tutorialpoint.com>
- 5) <http://www.homeandlearn.co.uk>