

# **GUJARAT TECHNOLOGICAL UNIVERSITY**

## **MASTERS IN COMPUTER APPLICATION**

**Year – 2 (Semester – III) (W.E.F. JULY 2018)**

**Subject Name: Project (LAMP)**

**Subject Code: 4639305**

### **1. Learning Objectives:**

- To be able to develop web application using open source technologies
- To learn PHP scripting language and deploying application on Apache Web Server
- To learn Apache Web Server configuration
- To learn MySQL database deployment for web applications

### **2. Knowledge of HTML, JavaScript, CSS and Database concepts is desirable**

### **3. General Guidelines for Web Project using Open source Technologies**

- The project should be free from plagiarism of any kind.
- It is mandatory that the project should be developed using Apache, MySQL and PHP, on Linux or Windows Platform. Linux is the preferred platform
- Group size : 2-3 Persons per group Documentation is not compulsory
- This may not be a live project
- Use of a database is mandatory
- Though use of AJAX and XML is not mandatory, their proper use will be appreciated
- Use of any popular PHP based frameworks like JOOMLA, DRUPAL, etc. is not prohibited, in which case the framework internals should also be known.

### **4. Knowledge about the following is expected to be demonstrated.**

- Proper knowledge about the purpose of the application
- Apache web server configuration, use of configuration file httpd.conf
- Mysql Database Server configuration using my.cnf file
- Use of php.ini
- PHP flow-control, functions, arrays and Objects
- Use of String formatting and Date Time functions in PHP
- Use of Forms, Cookies and User sessions in PHP
- Using text and image files in PHP
- Using database connection from PHP

**5. Minimum Expectations:** Application must include CRUD, Master/Detail form, Transactions, Application Reports, Search (with Pagination).

**6. Recommended Book(s):**

- 1) Julie C Meloni, "Sams Teach Yourself PHP, MySQL and Apache All in One" 4th edition, Pearson Education
- 2) James Lee and Brent Ware, "Open source web development with LAMP" , Pearson Education
- 3) Jason Gerner, Morgan Owens, Elizabeth Naramore, Matt Warden, "Professional LAMP: Linux, Apache, MySQL and PHP5 Web Development" WROX publication

**7. Evaluation**

<b>Sr. No.</b>	<b>Particulars</b>	<b>Weightage</b>
<b>1</b>	<b>Project</b>	<b>40%</b>
<b>2</b>	<b>Code Changes</b>	<b>40%</b>
<b>3</b>	<b>VIVA</b>	<b>20%</b>