



# MARRI LAXMAN REDDY INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)

Accredited by NBA and NAAC with 'A' Grade & Recognized Under Section 2(f) & 12(B) of the UGC act, 1956

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING 2060582 WEB TECHNOLOGY LAB

**B.Tech.III Year-II Sem**

**L / T / P / C  
0 / 0 / 3 / 1.5**

### VISION

To empower the students to be technologically adept, innovative, self-motivated and responsible global citizen possessing human values and contribute significantly towards high quality technical education with ever changing world.

### MISSION

|    |  |
|----|--|
| M1 | To offer high-quality education in the computing fields by providing an environment where the knowledge is gained and applied to participate in research, for both students and faculty.   |
| M2 | To develop the problem solving skills in the students to be ready to deal with cutting edge technologies of the industry.  |
| M3 | To make the students and faculty excel in their professional fields by inculcating the communication skills, leadership skills, team building skills with the organization of various co-curricular and extra-curricular programmes. |
| M4 | To provide the students with theoretical and applied knowledge, and adopt an education approach that promotes lifelong learning and ethical growth.  |

### LIST OF EXPERIMENTS

1. Write a PHP script to print prime numbers between 1-50.
2. PHP script to
  - a. Find the length of a string.
  - b. Count no of words in a string.
  - c. Reverse a string.
  - d. Search for a specific string.
3. Write a PHP script to merge two arrays and sort them as numbers, in descending order.
4. Write a PHP script that reads data from one file and write into another file.
5. Develop static pages (using Only HTML) of an online book store. The pages should resemble: [www.amazon.com](http://www.amazon.com). The website should consist the following pages.
  - a. Home page.



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- b. Registration and user Login
- c. User Profile Page
- d. Books catalog
- e. Shopping Cart
- f. Payment By credit card
- g. Order Conformation

6. Validate the Registration, user login, user profile and payment by credit card pages using JavaScript.

7. Create and save an XML document on the server, which contains 10 users information.

Write a program, which takes User Id as an input and returns the user details by taking the user information from the XML document.

8. Install TOMCAT web server. Convert the static web pages of assignments 2 into dynamic web pages using servlets and cookies. Hint: Users information (user id, password, credit card number) would be stored in web.xml. Each user should have a separate Shopping Cart.

9. Redo the previous task using JSP by converting the static web pages of assignments 2 into dynamic web pages. Create a database with user information and books information.

The books catalogue should be dynamically loaded from the database. Follow the MVC Architecture while doing the website.

### **COURSE OUTCOMES**

#### **CO Course Outcome**

- C328.1 Understand how to use LAMP Stack for web applications Use Tomcat Server for Servlets and JSPs.
- C328.2 Write simple applications with Technologies like HTML,
- C328.3 JavaScript, AJAX, PHP, Servlets and JSPs. learn how to connect to Database and get results.
- C328.4 Learn how to parse XML files using Java (DOM and SAX parsers).
- C328.5 Use Tomcat server for Servlets and JSPs.



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#### PROGRAM EDUCATIONAL OBJECTIVES

|      |  |
|------|--|
| PEO1 | To induce strong foundation in mathematical and core concepts, which enable them to participate in research, in the field of computer science.                                       |
| PEO2 | To be able to become the part of application development and problem solving by learning the computer programming methods, of the industry and related domains.                      |
| PEO3 | To gain the multidisciplinary knowledge by understanding the scope of association of computer science engineering discipline with other engineering disciplines.                     |
| PEO4 | To improve the communication skills, soft skills, organizing skills which build the professional qualities, there by understanding the social responsibilities and ethical attitude. |

#### PROGRAM SPECIFIC OUTCOMES

##### PSO1- APPLICATIONS OF COMPUTING:

Ability to use knowledge in various domains to provide solution to new ideas and innovations.

##### PSO2- PROGRAMMING SKILLS:

Identify required data structures, design suitable algorithms, develop and maintain software for real world problems.

##### PSO3-EXECUTIVE SKILLS:

Make use of computational and experimental tools for creating innovative career paths, to be an entrepreneur and desire for higher studies.

#### Do's & Don'ts

- Switch off the power and unplug equipment before performing service.
- Know where the fire extinguisher is located and how to use it.
- Report fires or accidents to your lecturer/laboratory technician immediately.
- Avoid food and drinks from your workspace.
- Systems operate under normal room temperature.
- Computer lab room's floor should be clean, dry and dust free.
- No one is allowed to delete information from the computer.
- Enter the computer lab quietly and work quietly.
- Do not change computer settings or backgrounds.
- Don't plug in external devices without scanning for computer viruses.
- SAVE all unfinished work to a cloud drive or jump drive.