

COURSE CODE	COURSE TITLE	L	T	P	C
UCS1611	INTERNET PROGRAMMING LAB	0	0	3	1.5

### OBJECTIVES

- To develop web applications using traditional client and server end technologies.
- To develop web applications using JavaScript frameworks.

### SUGGESTIVE LAB EXPERIMENTS

- Create a webpage using Table, Lists, Image and anchor elements. (Ex: Biodata)
- Create website for the International Conference using HTML5 and CSS3 elements.
- Validate a registration form using JavaScript event handling mechanisms.
- Develop a web application to authenticate the user with servlet and MySQL.
- Develop a web application using sessions and servlet. (Ex: Online Shopping application)
- Develop a web application using servlet, cookies and MySQL. (Ex: SuperMarket Billing System)
- Develop a Popup Menu Application using AJAX.
- Develop a web application using ReactJS and NodeJS. (Ex: Railway Reservation System)

**TOTAL PERIODS: 45**

### OUTCOMES

**On successful completion of this course, the student will be able to**

- Design websites using HTML5 and CSS3 (K3)
- Develop multi-tier web application using Servlets (K3)
- Develop interactive web applications using AJAX (K3)
- Develop web applications using AngularJS and NodeJS frameworks (K3)

### LABORATORY REQUIREMENT FOR A BATCH OF 38 STUDENTS

#### Hardware:

1. Standalone Desktops - 38 Nos

#### Software:

1. Frontend - NetBeans/Eclipse with Java
2. Database - MySQL
3. Web Server - Tomcat Server