

Course Code	Course Title				Core/Elective		
<b>PC632IT</b>	<b>WEB APPLICATION DEVELOPMENT LAB</b>				<b>Core</b>		
Prerequisite	Contact hours per week				CIE	SEE	Credits
	L	T	D	P			
-	-	-	-	2	<b>25</b>	<b>50</b>	<b>1</b>

**Course Objective:**

- To develop web pages using HTML tags and perform validation using scripting
- To implement various types of styling using CSS and transform data into various forms
- To implement applications using JQuery and Angular JS
- To understand and implement the concepts of MEAN Stack and SMACK stack

**Course Outcomes:**

Student will able to

- Design Web pages and perform form validation using HTML 5.0 inbuilt functions.
- Apply Styles to the web content using CSS.
- Create and process web publishing content using XML and JSON.
- Use JQuery to perform client side Dynamics.
- Create single page applications (Front End) using Angular JS.
- Design Big data applications using Mean stack or SMACK stack Frameworks.

**List of Experiments:**

- a. Implement Basic HTML Tags
- b. Implement Table Tag
  - i. Implement FRAMES
- c. Design a form in HTML (CV/Photos/Data Storage/Publish)
  - i. Validation of form Using Java Script.
- d. Implement various types of CSS.
- e. Display the various forms of XML document
  - i. Raw XML    ii. XML using CSS    iii. XML using XSLT
- f. Using JQuery implement the following:
  - i) Selecting Elements, Getting Values, and Setting Values.
  - ii) Events
- g. Using angular JS implement the following
  - i) Input Validation
  - ii) Backend building
- h. Case study on i) MEAN Stack    ii) SMACK Stack