

Course Outcomes

CO1	Learn about advanced JavaScript concepts like Arrow Functions, Template Literals, Destructuring Assignment, Modules, Classes, Promises, Proxies, Reflect API.
CO2	Build complex user interfaces having a unidirectional data flow with understanding of React, React Router, Redux and other popular libraries.
CO3	Develop server-side applications using Node JS framework.
CO4	Study the concept of database using MongoDB and connect database with application.
CO5	Design rich and interactive user interface using Angular

Lab	Program	CO
1.	Build a “Guess the Number Game” using JavaScript.	CO1
2.	Develop a Scientific Calculator using JavaScript.	CO2
3.	Create a ToDo App using ReactJS.	CO2
4.	Simple Login Form using ReactJS	CO2
5.	Fetch Data from Open API using fetch() in ReactJS.	CO2
6.	Create the following WebPages and make Page Navigation using React Router for the Laptop Shopping Cart. Home About Contact	CO2
7.	Add two more Web Pages to the above practical and make Page Navigation using React Router for the Laptop Shopping Cart. MyCart Login/Signup	CO2
8.	Develop REST API using CRUD operations to create the product information (Laptop) for Shopping Cart using ExpressJS.	CO3
9.	Develop REST API using CRUD operations to read and update the product information (Laptop) for Shopping Cart using ExpressJS.	CO3
10.	Develop REST API using CRUD operations to delete the product information (Laptop) for Shopping Cart using ExpressJS.	CO3
11.	Deploy the Laptop Shopping Cart API on HeroKU.	CO3
12.	Create MongoDB Database for the Laptop Shopping Cart.	CO4
13.	Connect the Laptop Shopping Cart API with MongoDB Database.	CO4
14.	Create the following Web Pages and make Page Navigation using Angular for the Laptop Shopping Cart. Home About Contact MyCart Login/Signup	CO5

Software or Services Required
<ul style="list-style-type: none">• Node.js• VS Code or Sublime• MongoDB Atlas

Subject In-charge

Head of the Department