Department of Electronics and Communication Engineering

Value Added Course on "Full Stack Development"

(12.02.2024 – 17.02.2024)

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Course Objectives:

- To learn the concepts of web development
- To learn the basic of HTML & CSS
- To Develop simple app using react.js
- To handle route using express.js

S.NO	Date/Day	COURSE CONTENT	
		FN (9.10AM to 12.50 PM)	**AN (1.30 PM to 4.00 PM)**
1	12.02.2024 Monday	Introduction to web development- Introduction to HTML	Introduction to CSS- Responsive Web Design, Responsive design basics: Introduction to media queries
2	13.02.2024 Tuesday	Basics of JavaScript: Variables, data types, and operators - DOM manipulation: Accessing and modifying HTML elements	Hands-on exercises: Creating interactive elements with JavaScript
3	14.02.2024 Wednesday	Overview of React.js and its ecosystem - Setting up a React.js project with Create React App	Understanding components and props in React.js
4	15.02.2024 Thursday	Overview of web development with Node.js and Express.js- Setting up a basic Express.js server	Handling routes and requests in Express.js
5	16.02.2024 Friday	Introduction to RESTful APIs- Creating API endpoints with Express.js	Handling HTTP methods (GET, POST, PUT, DELETE)
6	17.02.2024 Saturday	Overview of relational databases - Installing MySQL and setting up a database	Basic SQL commands: CRUD operations (Create, Read, Update, Delete)

Course Outcome:

- Develop web page using HTML, CSS & java
- Build simple app using react.js
- Build website using node.js and express.js