

Programme code:	B.Sc	Programme Title:	Bachelor of Science (Computer Science)	
Course code:	21UCS6VA	Title: Value Added Course	Batch:	2021-2024
Hrs/Week:	30 Hrs	Full Stack development	Semester:	VI
			Credits:	Hrs/Week:

Full Stack development

Units	Content	Hours
Unit-1	Introduction to HTML-Overview of HTML-Introduction to HyperText Markup Language-The structure of an HTML document-HTML Tags and Elements-Common HTML tags: head, body, div, span, h1-h6, p, etc.-Understanding semantic HTML-HTML Forms-Creating forms with form, input, text area, and button elements-Form attributes and their uses- Introduction to CSS-Overview of CSS -Introduction to Cascading Style Sheets -Different ways to apply CSS: inline, internal, and external style- CSS Selectors and Styling-Basic CSS selectors: tag, class, ID-Styling properties: color, font size, margin, padding, etc. -Box Model-Understanding the box model: margin, border, padding, content-Applying styles to control layout	6hrs
Unit-2	Introduction to PHP-Overview of PHP-Introduction to PHP scripting language-Basic PHP syntax-Variables and Data Types in PHP-Understanding variables and data types-Working with strings, numbers, and arrays-Creating Dynamic Content with PHP-Embedding PHP in HTML-Using PHP to create dynamic web pages-Introduction to MySQL-Installing MySQL (or using an online platform like MySQL Workbench)-Basic MySQL Commands-Connecting to the MySQL server-Creating databases and tables.	6hrs
Unit-3	Javascript - Overview-Javascript - Variables-Javascript - Data Types-Javascript - Functions-Function Definitions-Function Parameters-Functions Invocation-Functions Call-Functions Apply-Function Bind-Javascript - Objects-Javascript - Events-Javascript - Date,Strings-Javascript – Arrays	6hrs
Unit-4	Jquery - Overview- Jquery - Effects-Jquery Hide/Show-Jquery Fade-Jquery Slide-Jquery Animate-Jquery Stop-Jquery Callback-Jquery Chaining-Jquery Get,Set, Add & Remove-Jquery Traversing-Jquery Ancestors-Jquery Filtering-Jquery Ajax	6hrs
Unit-5	React - Overview-React Render HTML-React JSX-React Components-React Props-React Events-React Forms-React Router	6hrs

VAC Co-ordinator(s):

HOD

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