

Full Stack Web Development

PATHWAY OVERVIEW

The Web Development Pathway comprises six courses, designed to equip learners with both front-end and back-end development skills. Starting with an introduction to web-related concepts, learners will progress to develop and publish a fully functional website using the latest technologies and best practices in the industry.

Throughout the pathway, learners will acquire valuable skills and knowledge in front-end and back-end development, apply best practices, and stay up-to-date with the latest trends in web development. They will have ample opportunities to practice different techniques in both front-end and back-end development, with realistic content and projects.

Upon completion of the pathway, learners will have acquired the necessary skills to develop, deliver, and publish a fully functional website, applying best practices and incorporating the latest trends in the industry. They will have gained expertise in both front-end and back-end development, preparing them for a successful career in web development.

PATHWAY LEARNING OUTCOMES

1. Acquire Front End and Back End development skills.
2. Apply best practices and learn the latest trends in web development.
3. Delivering and publishing full functional websites with realistic content.
4. Practice different techniques in front-end and back-end in web development.

PATHWAY STRUCTURE

Course	Block 1	Block 2	Block 3	Block 4	Block 5	Block 6
Course 1 BASIC CONCEPTS	Web Development Concepts	Overview on web development technologies	Environment Setup and Tools			
Course 2 HTML	HTML Tags 1	HTML Tags 2	HTML forms			
Course 3 CSS	Introduction to CSS (selectors and properties)	CSS box model and layout	Responsive Design - 1	Responsive Design - 2		
Course 4 Java Script	Introduction to JS	Variables & operators	Conditions and Repetition	Functions	JS	
Course 5 React	Introduction to React (JSX and components)	React State and Props				
Course 6 Node JS & Database	Modules	Node.js express	Node EJS	MongoDB NoSQL Database	Connect Node.js with Database	