The Institute of Management & Entrepreneurship (TIME)

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Course Contents

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This document provides course contents of Web Development at The Institute of Management Entrepreneurship (TIME)

Dynamic Web Development

By Engr. Abrar Hussain at TIME

Dynamic Web Development

HTML	
	Installation and Setup of Development Environment
	Understanding HTML Structure
	Block Level and Inline Elements
	Anchors and Page Linking
	Lists
	Image, Audio, Video and Embedded Videos
	Tables
	Forms and Methods
CSS	
	Internal and External Linking
	CSS rules and Applying Colors
	Pseudo Classes
	Apply Background Images
	Box Model
	Box Model Cases
	Legacy Code with Float
	Positions
	Flex and Grid
	Fluid Layouts
	Animations
	Media Queries
JavaScript	
	Creating Variables
	Arithmetic Operators
	Logical Operators
	Data Types and Prompt
	If, If-else, Nested If, if-elseif-else
	Switch and Case
	Functions and Its Types
	Scoping Issues and Fixes
	Loops (for, foreach, while and map)
	Arrays and Objects
	String and Array Methods
	Accessing Elements

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	Template Literal
	Creating Elements
	Event and Targets
	Adding Event Listeners
	Form Fields and Events
	setInterval and setTimeout
	Asynchronous JS
	Callbacks
	Promises
	Async and Await
PHP	
	Creating Variables, Arithmetic and Logical Operators
	Functions and Loops
	Combining HTML, CSS, JS and PHP
	Structuring Project
	Arrays and Associate Arrays
	Classes, Instances and Objects
	Difference between Public, Protected & Private Functions
	Constructor and Static Classes
	Connecting with Database
	SQL and Relational Databases
	Create, Read, Update and Delete (CRUD) Operation
	Password Encryption and Limiting Access and Logins
	Multi User Authentication
	Merging PHP and Ajax
	SMTP configuration and Sending Email
	Buying Hosting and Domain
	Sending Project (Files and Database) to Live Server

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