

MEAN Stack Syllabus				
Sr. No.	Module	Topic	Sub Topic	Duration in Hours
1	HTML	HTML	Basic HTML Elements	3
			Tables	
			Div	
			Form	
			Input types	
			HTML 5 Elements	
			HTML Validations and patterns	
2	CSS	CSS	Introduction	2
			Types	
			Inheritance	
			Selectors	
			Text Styles	
			Tables	
			Color	
			Content	
			Layout	
			Lists	
			Box Model	
		Bootstrap	Introduction to Bootstrap	1
			Mobile first design implementation	
			Grid System in Bootstrap	
			Components of Bootstrap	
			Forms and components	
			Responsive Layout	
		MDL	Introduction to Material Design	1
			Layout	
			Cards	
			Lists in Material Design	
			Forms in Material Design	

MEAN Stack syllabus - HCL Zenways IO (OPC) Pvt Ltd.

3	Javascript	Javascript	Introduction	8
			Tokens	
			Expressions and operators	
			Control Flow	
			Functions	
			Arrays	
			Objects	
			Strings	
			Regular Expressions	
4	Angular JS	Angular JS	Introduction and Overview	10
			Setup & Installation	
			Expressions	
			Controllers	
			Models	
			Built In Directives	
			Views & Routing	
			Filters and Dependency Injection	
			Custom Directives	
			Angular Validation	
			Promises	
			REST and JSON	
			Modules	
5	GIT	GIT	GIT and Project Management	1
6	External API	External API	Google Maps	2
			D3JS (Charts)	

MEAN Stack syllabus - HCL Zenways IO (OPC) Pvt Ltd.

7	Node JS	Node JS	NodeJs Introduction	7
			NodeJs Configuration	
			NodeJs V8 introduction	
			NodeJs Built in Modules Intro	
			NodeJs first step	
			Blocking v/s Non blocking code	
			NPM Introduction	
			NPM module installations	
			In-built modules	
			fs	
			http/s	
			os	
			streams	
			buffers	
			events	
			Code Modularization	
8	Express JS	Express JS	ExpressJs Introducction	4
			RESTful architecture style	
			Basic Routing	
			HTTP methods	
			Serving static files	
			Database conectivity	
			Cookies	
			Session	
			Authetications APIs	
			Debugging	
			Best Practices	

MEAN Stack syllabus - HCL Zenways IO (OPC) Pvt Ltd.

9	Mongo DB	Mongo DB	Introduction to NoSQL	5
			Diffrence between NoSQL vs SQL	
			Data modelling	
			CRUD operation	
			Data types	
			Projections	
			Array handling	
			Indexing	
			Replication	
			Backup and restoring	
			MongoDB Compass	
			Introduction to Mongooes	
			Using MongoDB and ExpressJs for APIs	

Zenways IO OPC Pvt. Ltd.