

05

Angular Syllabus

Module	Topic	Units	Duration
01 Core	Angular Introduction	i.Introduction ii.Release History iii.Angular Advantages	
	TypeScript	i.Advantage of typescript ii.Enviroment Setup iii.Variables iv.DataTypes v.OOPS vi.Class vii.Object viii.Constructor ix.Relationship x.Access Modifiers xi.Interfaces xii.Enumerations xiii Modules	
Module 02	Angular Building blocks	ii.Angular CLI iii.Angular Folder Structure iv.Angular Architecture	
	Decorators		
	Component	i.Template ii.Component iii.Styling	
	Data Bindings	i.one way data binding ii.two way data binding	
	Directives	ii.Structural Directives iii.Attribute Directive iv.Custom Directive	
	Pipes	i.Built-In Pipe ii.Custome Pipe iii.Pure and Impure pipe	
Module 03	Template Driven Form	i.Angular Form capture data submit ii. forms state iii. Reset From	

		iv. set default value v.validations	
	Reactive Form	i.FormGroup,FormControls,.FormBuilder ii.submit,default,reset iii.validation iv.Form Array.	
1	Component Hooks	i.ngOnchanges ii.ngOnit iii.ngDoCheck 1.ngAfterContentInit 2.ngAfterContentChecked 3.ngAfterViewInit 4.ngAfterViewChecked iv.ngOnDestory	
2	Component Communication	i.Module to Module Communication ii.Parent to Child iii.Child to Parent iv.service communication	
3	Dependancy Injection	Services	
Module 04	Routing	i.Routing Strategy ii.Component Routing iii.Outlet iv.Routing module v.Parametrized Route vi.RouterLink viii.Param,Redirect ix.Wildcard x.Lazy Loading xi.HREF	
4	Routing Guard	i.canActive ii.canActivateChild iii.canDiactivate iv.canLoad v.resolve	
	Content Projection	I.NgContent And Ng-Template II.ViewChild and ViewChildren	
Module 05	HTTP With RxJS	i.GET ii.POST iii.PUT iv.DELETE	
	Observables	i.Observer ii.Subscriber	
	Operator	i.Creational ii.Math iii.Transforming iv.conditional	

	Subject	i.Multicasting	
	Scheduler		
Module 6	NgRx		
	Store		
	Effect		
	Action		
Module 7	Angular Material	i.Typography ii.Components iii.Animations	
Module 8	Angular Testing	i.Unit Testing i.End to End Testing	
Module 9	Deployment	AWS,Docker,GitHub	