05

**Angular Syllabus**

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| 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.Enumrations xiii Modules |  |
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| 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** |  |
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| 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,defualt,reset iii.validation **iv.Form Array.** |  |
| 1 | **Component Hooks** | i.ngOnchanges ii.ngOnit iii.ngDoCheck 1.ngAfterContenetIt 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 |  |
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| Module 04 | Routing | i.Routing Stratergy **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 |  |
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| 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.Multcasting |  |
|  | Scheduler |  |  |
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| 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 |  |