**Prerequisites for Angular 4 Course**

* [HTML and JavaScript](http://nareshit.in/html-javascript-training/)

**Node Js**:

* https://www.w3schools.com/nodejs/nodejs\_intro.asp

**Creating and Communicating Between Components**

* Creating Your First Data-bound Component
* Using External Templates
* Communicating with Child Components Using @Input
* Communicating with Parent Components Using @Output
* Using Template Variables to Interact with Child Components ( https://fromjami.com/2017/07/23/template-variable-to-interact-with-child-components-in-angular-2/)
* Styling Components

**Exploring the New Template Syntax**

* Interpolation, Property Bindings, and Expressions (https://hahoangv.wordpress.com/2016/05/30/display-data-in-angular-2/)
* Event Bindings and Statements
* Repeating Data with ngFor
* Handling Null Values with the Safe-Navigation Operator
* Hiding and Showing Content with ngIf
* Hiding Content with the [Hidden] Binding
* Hiding and Showing Content with ngSwitch(https://codecraft.tv/courses/angular/built-in-directives/ngif-and-ngswitch/)
* Styling Components with ngClass
* Styling Components with ngStyle

**Creating Reusable Services**

* Introduction
* Why We Need Services and Dependency Injection
* Creating Your First Service

**Routing and Navigating Pages**

* Adding Multiple Pages to Your App
* Adding Your First Route
* Accessing Route Parameters
* Linking to Routes
* Navigating from Code
* Guarding Against Route Activation
* Guarding Against Route De-activation
* Pre-loading Data for Components

**Collecting Data with Forms and Validation**

* Introduction
* Using Models for Type Safety
* Creating Your First Reactive Form
* Validating Reactive Forms

**Communicating Between Components**

* Passing Data into a Child Component
* Passing Data out of a Child Component

**Reusing Components with Content Projection**

* Content Projection(https://codecraft.tv/courses/angular/components/content-projection/)
* Multiple Slot Content Projection

### **Displaying Data with Pipes**

* Using Built-in Pipes
* Creating a Custom Pipe
* Sorting and Filtering Overview

**Understanding Dependency Injection**

* Using Third Party Global Services – The Problem
* Angular Dependency Injection Lookup
* Using OpaqueToken for Dependency Injection
* Using the @Inject Decorator
* The useClass Provider

**Creating Directives and Advanced Components**

* Implementing the Session Search
* Adding jQuery
* Creating a Modal Component
* Routing to the Same Component
* Using the @ViewChild Decorator
* ngIf-else using ng-template
* ngComponentOutlet for dynamically load component

**Communicating with the Server Using HTTP, Observables, and Rx**

* Moving Data Storage to the Server
* Using Querystring Parameters
* Using POST and PUT
* Using DELETE

**Going to Production**

* Publish angular cli app in IIS