**Session 1:**

**Overview:**

1. Angular 2 Intro
2. Tools/Plugin Required
3. Discussed about ES 6
4. New Angular App

**Angular 2 Intro:**

* Angular is a Framework not a Javascript library.
* If we want to learn about Angular 2 it’s not really required to know AngularJS 1 there is huge difference between them.
* TypeScript used in Angular2
* TypeScript official created by Microsoft
* Dart Programming used by google for search engine
* Webpack for build management in Angular 2 it will combine all JS,CSS files into single file.
* Angular 2 debugging will happened at Browser console.
* On top of Node JS only we will with Angular 2 means all code compilation/build we will do it from the **Node JS**
* **NPM** (Node Package Manager)
* **npm install –g @angular/cli** (This command used to download angular dependent files.)
* **ng new ng-pz-intro** (This Command used to create new angular 2 App)
* **npm start** (or) **ng serve** (This Command used to start the angular app)
* Default Port number for angular app is **4200**
* Angular CLI(Command Line Interface) which will render the page to Browser.

**Tools/Plugin Required:**

* **Visual Studio Code** => IDE
* **Node JS => Server to compile the TypeScript code**
* **Angular CLI**
* **Webpack** => **Build Management**
* **Augury** => **Code Debugging Plugin**
* **TypeScript** => **Client Side Programming**

**Discussed with ES 6:**

* ES6 (or) ES 2015 is the latest version
* Most of the browsers not supporting the ES6 Features (with help of polyfils interfiler we can get most of the ES6 Features)

**Angular Application Structure:**

* **E2E** => End to End Testing
* **Node\_modules** => Programfiles & Setup files
* **Src** => work area
* **Angular-cl.json** => to set compile config.
* **.editorconfig =>** Visual studio code
* **.git ignore =>** git ignore to manage what files no need to include.
* **Karma.config.js =>** Testing config file
* **Package.json =>** Angular related config
* **Pretractor.config =>** Testing related file
* **Ts.config.json =>** Type script configuration
* **Tslint =>** Compliance about the code

**Session1 Hint:**

* Session 1 mostly related to the Angular 2 Setup and Configuration.

**Session 2:**

**Overview:**

1. Angular Src Files use
2. Components
3. Directives
4. Data Binding

**Angular Src Files Use:**