

Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati.
(Autonomous)

Department of BBA (C.A)
AngularJS Certificate Course Syllabus

Course Code: CC-110

Course Objectives:

1. To Explore AngularJS Component
2. To Develop an AngularJS Single Page Application
3. To Create and bind controllers with JavaScript
4. To Apply filter in AngularJS application
5. To understand its framework, architecture, and key concepts like two-way data binding, directives, and controllers.
6. Develop dynamic and responsive web applications that enhance user experience and performance.
7. Understand how to interact with RESTful services and APIs using AngularJS services like \$http and \$resource.

Course Outcomes:

By the end of the course, students will be able to:

CO1: Understand the fundamentals of AngularJS and its architecture, including modules, controllers, and services.

CO2: Develop dynamic, single-page applications (SPA) using AngularJS, enhancing user experience with two-way data binding.

CO3: Implement MVC (Model-View-Controller) architecture to separate concerns in web applications using AngularJS.

CO4: Create reusable components and directives to optimize code reusability and modularity in web applications.

CO5: Utilize AngularJS services like \$http, \$resource, and \$timeout for handling asynchronous data and RESTful services.

CO6: Implement client-side routing using ngRoute and ui-router for managing views and states in SPAs.



- Working with AngularJS forms, model binding, form controller ,Using CSS classes, form events ,custom model update triggers ,custom validation, \$http service

4.3 Ajax implementation using \$http

5 Dependency Injection, Services

- 5.1 What is dependency injection? 2 Theory,
- 5.2 Understanding services 5 Practical
- 5.3 Using built-in service
- 5.4 Creating custom service,
- 5.5 Injecting dependency in service

Total

30

Reference Books:

1. Beginning Angular with Typescript (updated to Angular 5) by Greg Lim
2. Mastering Web Application Development with AngularJS by Pawel Kozlowski, PeterBacon Darwin
3. <https://www.tutorialsteacher.com/angularjs/angularjs-scope>




 Head
 Department of BBA (Computer Application)
 Tuljaram Chaturchand College, Baramati