C. U. SHAH UNIVERSITY, WADHWAN CITY.

Faculty of: **Computer Science**
Course: **Bachelor of Science Information Technology**
Semester**: IV**
Subject Code**: 4CS04TAN1 (Elective – I)**
Subject Name: **Angular JS**

Sr. No	Branch Code	Subject Code	Subject Name	Teaching hours/ Week			Credit hours	Credit Points	Evaluation Scheme/ Semester								Total
									Theory				Practical				
				Th	Tu	Pr			Internal Assessment		End Semester Exams		Internal Assessment		End Semester Exams		
									Marks	Duration	Marks	Duration	Marks	Duration	Marks	Duration	
3	2	4CS04TAN1	Angular JS	4	--	2	6	5	15 SE / 15 CE	1Hr. / -	70	2½ Hrs.	25 IP / 25 CE	1 Hr. / -	-	-	150

AIM:

At the end of this course, Student can develop a static web site. Students can have basic knowledge of HTML.

COURSE CONTENTS

Unit I Overview of Angular JS   10 Hrs.
- General Features
- Core Features
- Concepts
- Advantages of AngularJS
- Disadvantages of AngulaJS
- AngularJS Directives

Unit II Environment Include Angular JS   10 Hrs.
- Creating AngularJS app
- View
- Controller
- Execution

Unit III MVC architecture   10 Hrs.
- Environment variables
- The model
- The view
- The controller
- AngularJS Modules

Unit IV Creating First Application   10 Hrs.
- Creating AngularJS Application
- Load framework
- Define AngularJS application using ng-app directive

- Define a model name using ng-model directive
- Bind the value of above model defined using ng-bind directive
- Executing AngularJS Application
- AngularJS integrates with HTML Forms

Unit V Form validation and Directives   **18 Hrs**
- AngularJS Form Validation
- ng-app directive
- ng-init directive
- ng-model directive
- ng-repeat directive

REFERENCE BOOKS:

1. Angular: Up and Running: Learning Angular, Step by Step, Shyam Seshadri, O′Reilly
2. Learn AngularJS in 1 Day: Complete Angular JS Guide with Examples, Krishna Rungta, Independently Published
3. Angular 5: From Theory to Practice, Asim Hussain, CodeCraft
4. Angular 2 Cookbook, Matt Frisbie, Packt Publishing
5. Angular 6 for Enterprise-Ready Web Applications, Doguhan Uluca, Packt Publishing