



**C. U. SHAH UNIVERSITY**  
**Wadhwan City**

**FACULTY OF:** Computer Science

**DEPARTMENT OF:** Master of Science (Information Technology) in Web Technology

**SEMESTER :** III

**CODE:**5CS03WFR1

**NAME:** Website Framework-II

**Teaching and Evaluation Scheme W. E. F. : June – 2018**

Sr. No	Subject Code	Subject Name	Teaching Hours/Week				Credits	Evaluation Scheme/Semester							
			Th	Tu	Pr	Total		Theory				Practical			Total Marks
								Sessional Exam		University Exam		Internal		Uni.	
								Marks	Hrs	Marks	Hrs	Pr	TW	Pr	
1	5CS03WFR1	Website Framework -II	4	-	-	4	4	30	1.5	70	3	-	-	-	

**Objectives:**

1. Setting up and installing Laravel
2. Storing and using data by creating data tables and raw SQL statements
3. Build web based applications
4. Work on controller, models and views in laravel
5. Learn the concepts of MVC

**Pre-requisites:** Knowledge of PHP and MySQL is enough

**Course Outline:**

Ch. No.	Chapter Name	Topics	Lect. (Hours)
1	Introduction to Laravel	About Laravel, features, Installation, structure of laravel application (laravel directory structure), parameters, middleware, Maintenance mode,	5
2	Artisan	Artisan Command Line Tool, database creation, artisan migration, migration structure, creation migration, Database seeding	5
3	Routing in Laravel	Basic Routing, Route Parameters, Route Filters, Named Routes, Route Groups, Sub-Domain Routing, Route Prefixing, Route Model Binding, Throwing 404 Errors, Routing to Controllers	5

4	Controllers	Creating a controller, controller middleware, Restful Resource Controllers, Implicit Controllers,	5
5	Request and cookies	Request URI, Retrieving Input, Creating Cookie, Retrieving Cookie	5
4	Response	About Response, attaching header and cookies, JSON Response	5
5	Views	Understanding Views ,Passing Data to Views, Sharing data with views	5
6	Blade Template	Template inheritance, Master layout, Extending the master layout, display variables, Blade conditional statements, Blade Loops	5
7	Validation	Validators - Accepted, After (Date), Alpha, Alpha Dash, Alpha Numeric, Array, Before (Date), Between, Boolean, Date, Date Format, Different, Digits, Digits Between, E-Mail, Exists(Database), Image (File), In, Integer, Max, Min, Not In, Numeric, Regular Expression, Required, String Custom validation rules.	10
8	Database Interaction	Connecting to Database, Insert Records, Retrieve Records, Update Records, Delete Records, Display	5
		<b>Total</b>	<b>55</b>

**Books Recommended:**

1. **“Beginning Laravel”**, A beginner’s guide to application development with Laravel 5.3, Sanjib Sinha, Apress
2. **“Laravel Application Development Blueprints”**, Arda and Halil İbrahim Yılmaz, Packt Publishing

**Reference Books:**

1. **“Laravel 5 Essentials”**, Martin Bean, Packt Publishing
2. **“Laravel 5” Official Documentation**, Gary Blankenship, Learnpub