



C. U. SHAH UNIVERSITY, WADHWAN CITY.

Faculty of: **Computer Science**

Course: **Master of Computer Applications**

Semester: **III**

Subject Code: **5CS03CWF1 (Elective – II)**

Subject Name: **Web Application Frameworks (Magento & Laravel)**

Sr. No	Subject Code	Subject Name	Teaching hours/ Week			Credit hours	Credit Points	Evaluation Scheme/ Semester								Total
			Th	Tu	Pr			Theory				Practical				
								Internal Assessment		End Semester Exams		Internal Assessment		End Semester Exams		
								Marks	Duration	Marks	Duration	Marks	Duration	Marks	Duration	
3	5CS03CWF1	Web Application Frameworks (Magento & Laravel)	2	--	2	4	3	10	½	70	2½	20	1	--	--	100

AIM:

At the end of this course, Student can develop a dynamic website. Students can have basic knowledge of PHP.

Course Outline:

Sr. No.	Course Content	Hrs.
1	Introduction to Laravel <ul style="list-style-type: none"> About Laravel, features, Installation Configuration, Directory structure of Laravel application Creating a New Laravel Project Architecture Concepts: Request Lifecycle 	6
2	Artisan <ul style="list-style-type: none"> An Introduction to Artisan, Basic Artisan commands, Artisan Command Line Tool, Database creation, Creation migration, Custom artisan commands, Calling artisan commands in Normal code 	4
3	Routing in Laravel <ul style="list-style-type: none"> Routing: Basic Routing, Route Parameters, Named Routes, Route Groups Route Model Binding, Form Method Spoofing, Accessing the Current Route Controllers: Writing Controllers, Controller Middleware, Resource Controllers, View 	5
4	Validation and Database Connection <ul style="list-style-type: none"> Validators, Connecting to Database, Insert Records, Retrieve Records Update Records, Delete Records, Display, Eloquent ORM 	4

4	CMS: Magento Framework <ul style="list-style-type: none"> • Overview of Magento, Features of Magento • Magento MVC Architecture, Extension, Modules, Block, Layout and theme • Magento folder and data structure, Installing Magneto 	3
	Administrative Interface and Products <ul style="list-style-type: none"> • Login panel, various administrative interfaces • Sales, Catalog, Customers, Newsletter, CMS • About product, Various settings of product, • Categories, Product attributes, Types of product 	2
Total		24

Text Book:

- (1) Matt Stauffer, “LARAVEL Up and Running, A framework for building modern PHP Apps”, O'REILLY, and 3rd Indian Reprint (ISBN: 978-93-5213-485-4)
- (2) “Mastering Magento”, Bret Williams Packt Publishing

Reference Books:

- (1) Martin Bean, “Laravel 5 Essentials”, Packet Publishing, ISBN 978-1-78528-301-7
- (2) “Beginning Laravel”, A beginner’s guide to application development with Laravel 5.3, Sanjib Sinha, Apress
- (3) “Laravel Application Development Blueprints”, Arda and Halil İbrahim Yılmaz, Packt Publishing
- (4) “Magento PHP Developer's Guide”, Allan MacGregor Packt Publishing
- (5) “The Definitive Guide to Magento”, Adam McCombs and Robert Banh , Apress