C. U. SHAH UNIVERSITY, WADHWAN CITY.

Faculty of: **Computer Science**
Course: **Bachelor of Science Information Technology**
Semester**: IV**
Subject Code**: 4CS04TWP1 (Elective – I)**
Subject Name: **Web Framework Wordpress/CodeIgniter**

Sr. No	Branch Code	Subject Code	Subject Name	Teaching hours/ Week			Credit hours	Credit Points	Evaluation Scheme/ Semester								Total
									Theory				Practical				
									Internal Assessment		End Semester Exams		Internal Assessment		End Semester Exams		
				Th	Tu	Pr			Marks	Duration	Marks	Duration	Marks	Duration	Marks	Duration	
3	2	4CS04TWP1	Web Framework Wordpress/ CodeIgniter	4	--	2	6	5	15 SE	1Hr.	70	2½ Hrs.	25 IP	1 Hr.	-	-	150
									15 CE	-			25 CE				

AIM:

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

COURSE CONTENTS

Unit I Introduction to Wordpress   **05 Hrs.**
- Introduction of Wordpress
- Content Management System (CMS)
- Features of Wordpress
- Advantages & Disadvantages of Wordpress
- Installation of Wordpress
- Wordpress Directory & file structure
- Logging Into the Wordpress Admin & General Site Settings
- Dashboard overview: Front end / back end

Unit II User Administration   **05 Hrs.**
- Wordpress Admin
- Creating Users, User Profile
- User Rights & Roles
- Setting (General, writing, Reading, Discussion, Media, Permalinks)

Unit III Working with Menu, Pages, Posts and Categories   **05 Hrs.**
- Creating menus
- Adding pages, posts, categories to menus
- Creating Sub-menus
- Deleting items from menu
- Add, Edit and Delete page
- Category, Post, Tag.

Unit IV CodeIgniter Framework (MVC)   **05 Hrs.**
- Introduction to CodeIgniter Framework (MVC)
- Features of CodeIgniter framework
- Application Flow Chart of CodeIgniter framework
- Model-View-Controller of CodeIgniter framework

Unit V Creating CodeIgniter Application   **08 Hrs.**
- Using CodeIgniter Libraries
- Loader Class, Controllers, Models, Views
- Creating Controller file, Model file & View file

Unit VI Class and Helper Functions   **10 Hrs**
- Autoload Configuration
- Input Class, Form Validation Class
- File Uploading Class, Session Class
- Loading a Helper
- Download Helper, File Helper
- URL Helper, Form Helper

Unit VII Database Class   **10 Hrs.**
- Database Configuration
- Connecting to a Database
- Running Queries
- Generating Query Results
- Active Record Class

REFERENCE BOOKS:
1. Programming with CodeIgniter MVC, Author: Eli Orr Yehuda Zadik, Published by Packt Publishing Ltd, ISBN 978-1-84969-470-4

2. CodeIgniter for Rapid PHP Application Development, Author: David Upton, Published by Packt Publishing Ltd, ISBN 978-1-847191-74-8

3. Codeigniter 2 Cookbook, Author: Rob Foster, Published by Packt Publishing Ltd., ISBN 978-1782162308

4. WordPress Bible, By Aaron Brazell, Publisher: Wiley

5. WordPress For Dummies, By Lisa Sabin-Wilson, Publisher: Wiley