

**Year: B. Tech III (Semester VI)**

**Subject Name:** Content Management Systems

**Subject Code:** BTCO15601

**Type of course:** Open Elective -2

**Prerequisite:** HTML5 and CSS fundamentals

**Rationale:** Introduction to Website design using WordPress. Create websites; blog about your activities; and integrate social media into your online presence. Students will apply previously learned design, typography, and software skills to create, organize, and structure content for clarity and impact through the use of type, color, image, and interactivity using WordPress.

**Teaching and Examination Scheme:**

Teaching Scheme				Theory Marks			Practical Marks		Total
L	T	P	C	TEE	CA1	CA2	TEP	CA3	
2	0	2	3	60	25	15	30	20	150

CA1: Continuous Assessment (assignments/projects/open book tests/closed book tests CA2: Sincerity in attending classes/class tests/ timely submissions of assignments/self-learning attitude/solving advanced problems TEE: Term End Examination TEP: Term End Practical Exam (Performance and viva on practical skills learned in course) CA3: Regular submission of Lab work/Quality of work submitted/Active participation in lab sessions/viva on practical skills learned in course

**Contents:**

Unit No	Contents	Total Hrs
1	<b>Understanding Web Content Management Systems:</b> What is a web content management system? , Dynamic vs Static websites, Popular open source CMS , CMS usage (ecommerce, blog, photo, education, business), Main Features of CMS.Introduction of Blogs	03
2	<b>Introducing WordPress :</b> What is WordPress CMS and why use it?, WordPress.com vs WordPress.org, A Quick Tour of the Wordpress.com Dashboard, 5 Minute Installation of WordPress.org, Building A Website in WordPress.com, Install WordPress	05
3	<b>Plugins and Themes:</b> Using Plugins BuddyPress, SEO: Yoast & Google Analytics, Free and Premium Themes, Working with Twenty Twelve Theme and a Premium Theme Building A Website (open source version)	03
4	<b>Adding Contents:</b> WordPress Categories, WordPress Posts, WordPress Media, WordPress Pages, WordPress Tags,WordPress Comments, Posts Vs Pages, Adding Hyperlinks .Playing with Media content.Previewing and Editing Posts, Previewing and Editing Pages, Page Order, Creating a post, Adding Media files to content –images and videos, Using Categories and Tags, Creating Pages, Page Hierarchy	05
5	<b>Customization with WordPress:</b> Introduction to WordPress Themes, Customized WordPress Theme : Default Theme, New Theme, Theme Editor, Post Frames, Getting Fancy with Themes : Customization of	05



	Themes with CSS, Set up of Menus, Working with Menu for your Website ,Creating menus, Adding pages, posts, categories to menus , Creating Sub-menus,Deleting items from menu	
6	<b>Widgets and Plug-ins:</b> Widgets versus Plug-ins: What’s the Difference? , Adding and Activating Plug-ins, Using Widgets.Installing widgets in sidebar , Installing widgets in footer , Updating Plug-ins, Putting It All Together	03
7	<b>Working with Media:</b> Using the Media Library, Editing Images, Creating and Managing Image Galleries. Using Audio and Video Files, Putting It All Together	03
8	<b>User Administration:</b> WordPress Admin ,Creating Users, User Rights & Roles , Restoring the Backup,WordPress Backup	03

**Suggested Specification table with Marks (Theory): (For B.Tech only)**

Distribution of Theory Marks					
R Level	U Level	A Level	N Level	E Level	C Level
10	15	20	10	5	0

Legends: R: Remembrance; U: Understanding; A: Application, N: Analyze and E: Evaluate C: Create and above Levels (Revised Bloom’s Taxonomy)

Note: This specification table shall be treated as a general guideline for students and teachers. The actual distribution of marks in the question paper may vary slightly from above table.

**Reference Books:**

Sr No	Title of book /article	Author(s)	Publisher and details like ISBN	Year of publication / Publication Edition
1	Visual Quick Start Guide - WordPress	Jessica Neuman Beck, Matt Beck	Pearson Publication	Latest Edition
2	WordPress for Dummies	Lisa Sabin - Wilson	Wiley Publication	
3	PROFESSIONAL WORDPRESS®: DESIGN AND DEVELOPMENT	Brad Williams, David Damstra, Hal Stern	Wiley Publication	

**Course Outcomes (CO):**

Sr.No	CO statement	Marks % weightage
1	Describe the use of open source Content manager - WordPress platform	20%
2	Demonstrate the use of tools and technologies available in a web design software program - WordPress.	20%
3	Discuss the setup and customize the WordPress themes and manage the contents using WordPress	20%
4	Examine the working of Media Library and Wordpress admin	20%
5	Utilize knowledge of this course to design functional website using content management system	20%

**List of Open learning website:**

1. <https://www.tutorialspoint.com/wordpress/index.htm>
2. <https://www.coursera.org/projects/build-a-full-website-using-wordpress>

**List of Open Source Software:**

- wordpress
- joomla
- drupal

**FOR LAB SESSIONS: NA**

**List of Experiments:**

----- NIL-----

**Major Equipment Needed:**

-----NIL-----

