

B.A. – IV

Course Code: SE 215

Subject: Subject Elective-Computer Application

Paper Title: CMS for Website Development

Objectives:

To make students

- Understand the self – hosted CMS tool
- Learn to manage contents and setup a blog on WordPress

Contents:

Unit – I Introduction to CMS:

Introduction to Content Management Systems, Main Features of CMS: Web Content Management System, Component Content Management System, Enterprise Content Management System, Introduction of Blogs

Unit –II Introduction to WordPress:

Introduction to WordPress, Setting up WordPress, Setting Up Database, Installing WordPress, Overview of Working of WordPress, Dashboard, Exporting and Importing of Site Content, Backup of Site data and files, Upgrading WordPress, Settings: *General, Writing, Reading, Discussion, Media, Privacy, Permalinks*, Configuring and Managing Accounts, Adding Content : *Post, Pages*, Setup and use of Categories, Tags, Internal Linking

Unit – III Advance Features for WordPress:

Working with media : *using Media Library, Audio and Video Files*, Managing Comments, Fighting Spam with Akismet, Syndication : *Setup and Display of RSS Feed, Setup of Subscriptions, use of Google FeedBurner with WordPress*, Widgets and Plug-ins : *Use of Widgets and Plug – ins, Differences, Upgrade of Plug – ins*

Unit – IV Customization with WordPress:

Introduction to WordPress Themes, Customized WordPress Theme : *Default Theme, New Theme, Theme Editor, Set up of Menus, Post Frames*, Getting Fancy with Themes : *Customization of Themes with CSS, addition of Favicon, Editing Function file*, Advanced Theme Development : *Anatomy of WordPress theme, Building new Theme, Template Files, Template Tags, Use of Loop*, Custom Post Types and Custom Taxonomies, One Installation and Multiple blogs: *Setup and Administration of Blog Network*, Customization of WordPress : *Integration of Third Party Services, Third Party Comment System, AD Integration, Web Fonts* , Tools and Tricks

Main Reference Book(s):

- (i) Visual Quick Start Guide – WordPress, Jessica Neuman Beck, Matt Beck, Pearson Publication

Suggested Additional Reading Book(s):

- (i) WordPress for Dummies, Lisa Sabin – Wilson, Wiley Publication

Accomplishments of the student after completing the Course:

After completion of this course Student would be able to

- Understand and use the open source Content manager - WordPress blogging platform
- Install, setup and customize the WordPress and manage the contents and blogs using WordPress

List of Practicals (Sample Guide line):

Word press for website design as blogging tool

- 1 Dashboard
- 2 Publishing Posts
- 3 Customizing Site Appearance
- 4 Working with Plug-in
- 5 Installing some important Plug-in
- 6 WP Survey and Quiz Tool
- 7 Word press Backup to drop box
- 8 Subscribe to comments
- 9 Google XML sitemaps
- 10 Social Login