



Sub Committee - Specialization for Curriculum Development

Under Graduate

Course Title: Design of Content Management System

Course Code:

Number of Credits: 4

Level: 3

Learning Objective/Outcome (s): The course is focused on teaching how to design a Content Management System by using APIs and plugins. On completion of this course student will be able to:
design a content management system
use APIs to develop plugins for a content management system
conduct usability tests

Pedagogy:

Classroom Sessions
Hands-on Practical Sessions
Project based learning

Pre-learning: PHP

Course Outline:

Sr. No.	Topic	Hours.
1	Content Management Systems Terminology Flow of data Architecture	4
2	Theming and Modules Directory structure Concept of Core API Concept of Plugins Advanced theme settings	7
3	Security Best practices Security of PHP files Secure configuration for site builders	3
4	Configuration management Module configuration Theme configuration	2

5	Documentation Help text standards Module documentation guidelines Project page template README template	2
6	Usability testing How to conduct usability tests Recording a usability test	2
7	Case study/Project and Documentation	40
	Total	60

Books Recommended:

1. Drupal documentation on Drupal.org
2. Moodle documentation on Moodle.org

Suggested Assessment/ Evaluation Methods:

Assignments
Project
Online Test

Benchmarked against similar courses in other national/ international universities /organizations

S. No.	Name of the Course	Name of University where it is offered
	Web development and CMS	Victoria University, Australia

Name of Members					
Designation					
Org. / Inst.					
Signature					

Name of Experts					
Designation					
Org. / Inst.					
Signature					

Signature of Dean:

Date: