

**GLS UNIVERSITY**  
**Bachelor of Computer Applications (BCA)**  
**(Foundation Course)**  
**Semester- III**  
**210302302 WEBSITE FRAMEWORKS USING JOOMLA**

**1. Course Objective:**

- The student would learn the creation of website, adding content, modules and menu.
- To configure Joomla templates and populate the site with content and extensions.
- Students will learn various components of Joomla for website development.
- Student will learn to customize the website.

**2. Course Duration:**

The course will have sessions which are divided into five modules. Each module consists of six sessions of 60 minutes each and carries a weightage of 20%.

**3. Course Contents:**

<b>Module No.</b>	<b>Modules/Sub-Modules</b>	<b>No. of Sessions</b>	<b>Marks Weightage</b>
I	<b>Introduction to Joomla CMS</b> <ul style="list-style-type: none"> <li>• Content Management system</li> <li>• Other CMS</li> <li>• Understanding the Joomla Architecture</li> <li>• Installing Joomla <ul style="list-style-type: none"> <li>○ Getting the Installation Files</li> <li>○ Install the Components and Configure it</li> <li>○ Installing Joomla on local Computer and Server</li> </ul> </li> <li>• Exploring the Joomla Environment <ul style="list-style-type: none"> <li>○ Front End</li> <li>○ Back End</li> </ul> </li> <li>• Getting interact with Home Dashboard</li> <li>• Toggle Menu</li> <li>• Introduction to Site and System Module</li> </ul>	06	20%
II	<b>Working with Joomla Backend and Frontend</b> <ul style="list-style-type: none"> <li>• Managing Content <ul style="list-style-type: none"> <li>○ Creating Categories</li> <li>○ Creating Sub Categories</li> <li>○ Creating Articles</li> <li>○ Featured Article</li> <li>○ Article Manager</li> <li>○ Managing Articles</li> <li>○ Content Hierarchies</li> <li>○ Global Article Manager</li> </ul> </li> <li>• Editors and Media <ul style="list-style-type: none"> <li>○ Editor Options</li> </ul> </li> </ul>	06	20%

	<ul style="list-style-type: none"> <li>○ Media Manager</li> <li>○ Media Files</li> <li>● Article Field and Field Groups <ul style="list-style-type: none"> <li>○ Creating Field with different types</li> <li>○ Managing Field</li> <li>○ Assign Role to Field</li> </ul> </li> </ul>		
III	<b>Working with Menu and Users</b> <ul style="list-style-type: none"> <li>● Working with Menu System <ul style="list-style-type: none"> <li>○ Managing Home Menu</li> <li>○ Publishing Articles on the Home Page</li> <li>○ Publishing Modules on the Home Page</li> </ul> </li> <li>● Creating a Menu <ul style="list-style-type: none"> <li>○ All Menu Items <ul style="list-style-type: none"> <li>▪ Assign Article to Menu</li> </ul> </li> <li>○ Create Menu Item <ul style="list-style-type: none"> <li>▪ Assign Article to Menu Item</li> <li>▪ Assign Ordering</li> <li>▪ Assign Status</li> </ul> </li> </ul> </li> </ul> <b>Working with Components</b> <ul style="list-style-type: none"> <li>● Introduction to Module</li> <li>● Banner Manager</li> <li>● Contacts</li> <li>● News Feed</li> <li>● Smart Search</li> <li>● Tags</li> </ul>	06	20%
IV	<b>Managing Your Site's Users</b> <ul style="list-style-type: none"> <li>● User Manager</li> <li>● Managing Existing Users</li> <li>● Adding &amp; Managing Users</li> <li>● Default User Hierarchy – Groups</li> <li>● Adding and Editing User Groups</li> <li>● Access Level of Users</li> <li>● Enabling Front-End User</li> <li>● User Fields and Field Group</li> <li>● User Notes and Note Categories</li> <li>● User Access Log</li> <li>● Mass Mail and Messaging</li> </ul>	06	20%
V	<b>Working with System, Site Modules and Plug-Ins</b> <ul style="list-style-type: none"> <li>● Global Configuration</li> <li>● Joomla Templates</li> <li>● Maintenance</li> <li>● Site Modules</li> <li>● Administrator Modules</li> <li>● Plug-Ins</li> <li>● User Permission</li> </ul>	06	20%

	<ul style="list-style-type: none"> <li>• Joomla Extension <ul style="list-style-type: none"> <li>○ Slideshow</li> <li>○ Image</li> <li>○ Editor</li> <li>○ Site Map</li> <li>○ Contact Form</li> <li>○ Shopping Cart</li> </ul> </li> </ul> <p><b>Create a small website showing various features of Joomla</b></p>		
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#### 4. Teaching Methods:

The following pedagogical tools will be used to teach this course:

1. Lectures and Discussions
2. Practical demos
3. Assignments and Presentations

#### 5. Evaluation:

The students will be evaluated on a continuous basis and broadly follow the scheme given below:

1.	Assignments / Presentations	30% (Internal Assessment)
2.	Internal Examination	20% (Internal Assessment)
3.	External Examination	50% (External Assessment)

#### 6. Basic Text Books:

Sr. No	Author/s	Name of the book	Publisher	Edition
T1	RIC SHREVES	Joomla! Bible	WILEY	Latest

#### 7. Reference Books:

Sr. No	Author/s	Name of the book	Publisher	Edition
R1	Jen Kramer	Joomla!24 - hour Trainer	WILEY	Latest

#### 8. List of E-books and Video Lectures:

Sr. No	Links
1	<a href="http://allvidelectures.com/v/5EH494dG89/12-Creating-Menu-Links-in-Joomla-part-1">http://allvidelectures.com/v/5EH494dG89/12-Creating-Menu-Links-in-Joomla-part-1</a>
2	<a href="http://allvidelectures.com/v/5EH494dG89/13-How-to-create-menu-links-in-Joomla-part2">http://allvidelectures.com/v/5EH494dG89/13-How-to-create-menu-links-in-Joomla-part2</a>
3	<a href="http://allvidelectures.com/v/5EH494dG89/15-Creating-submenu-items-in-Joomla">http://allvidelectures.com/v/5EH494dG89/15-Creating-submenu-items-in-Joomla</a>
4	<a href="http://allvidelectures.com/v/5EH494dG89/20-A-Rotating-Header-Banner-in-Joomla-Extensions-Part-3">http://allvidelectures.com/v/5EH494dG89/20-A-Rotating-Header-Banner-in-Joomla-Extensions-Part-3</a>
5	<a href="http://allvidelectures.com/v/5EH494dG89/28-How-to-Create-a-User-Login-Module-in-Joomla">http://allvidelectures.com/v/5EH494dG89/28-How-to-Create-a-User-Login-Module-in-Joomla</a>

## 9. Session Plan:

Session No.	Topics / Chapters
1	Discovering Open-Source Content Management
2	Installing Joomla
3-4	Working with Frontend and Backend
5-6	Introduction to Site and System Module
7-8	Managing Content
9-10	Working with Editors and Media
11-12	Field and Field Group
13	Managing the Home Page of Your Site
14-15	Working with Menu System
16-18	Working with Components
19-20	Working with User Manager
21	Field and Field Groups
22	Access Level of Users
23	User Notes and Note Categories
24	Mass Mail and Messaging
25	Global Configuration
26	Templates
27-28	Site and Administrator Modules
29-30	Joomla Extension

## 10. Learning Outcome:

Upon the completion of this course, students will be able to:

- Create articles, categories and menus in Joomla.
- Create different types of Site Users
- Work with components, Modules and Plug-ins.
- Create website using various features in Joomla.