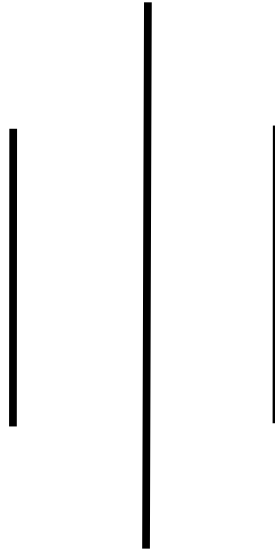


# **Deerwalk Institute Of Technology**

## **Internet Technology**



**Submitted By:**

**Name: Sagar Giri**

**Roll No. 205**

**Submitted To:**

**Sudhir Maharjan**


**Date: July 15<sup>th</sup> 2016**

## Introduction

Joomla is an open source Content Management System (CMS), which is used to build websites and online applications. It is free and extendable which is separated into front-end templates and back-end templates (administrator). Joomla is developed using PHP, Object Oriented Programming, software design patterns and MySQL (used for storing the data).

## Installation:

1. First download Joomla from <http://www.joomla.org/download.html>
2. Extract into a folder (say: *joomlasite*)
3. Copy the extracted folder to */var/www/html/*
3. Go to browser and type (*http://localhost/joomlasite/*). It will take us to the installation wizard.



Joomla!® is free software released under the GNU General Public License.

1 Configuration 2 Database 3 FTP 4 Overview

Select Language English (United States) → Next

### Main Configuration

Site Name *	<input type="text" value="joomlasite"/>	Administrator Email *	<input type="text" value="a@gmail.com"/>
	Enter the name of your Joomla! site.		Enter an email address. This will be the email address of the website Super User.
Description	<input type="text" value="A demo website."/>	Administrator Username *	<input type="text" value="root"/>
	Enter a description of the overall website that is to be used by search engines. Generally, a maximum of 20 words is optimal.		Set the username for your Super User account.
		Administrator Password *	<input type="password" value="...."/>
			Set the password for your Super User account and confirm it in the field below.
		Confirm Administrator Password *	<input type="password" value="...."/>
Site Offline	<input type="button" value="Yes"/> <input type="button" value="No"/>		
	Set the site Frontend offline when installation is completed. The site can be set online later on through the Global Configuration.		

→ Next

Fill the Configuration form and proceed to Database configuration.

1 Configuration

2 Database

3 FTP

4 Overview

Database Configuration

← Previous

→ Next

Database Type \*

MySQL

This is probably "MySQL".

Host Name \*

localhost

This is usually "localhost".

Username \*

root

Either something as "root" or a username given by the host.

Password

.....

For site security using a password for the database account is mandatory.

Database Name \*

joomlasite

Some hosts allow only a certain DB name per site. Use table prefix in this case for distinct Joomla! sites.

Table Prefix \*

sa48e\_

Choose a table prefix or use the **randomly generated**. Ideally, three or four characters long, contain only alphanumeric characters and **MUST** end in an underscore. **Make sure that the prefix chosen is not used by other tables.**

Old Database Process \*

Backup

Remove

Any existing backup tables from former Joomla! installations will be replaced.

← Previous

→ Next

To configure the database, first we should create database in MySQL database. In the database configuration, fill up the database username and password, database name and table prefix. Table prefix is must since, it is random, prevents from unauthorized access of our website database.

## Pre-Installation Check

If any of these items are not supported (marked as **No**) then please take actions to correct them.  
You can't install Joomla! until your setup meets the requirements below.

PHP Version >= 5.3.10	Yes
Magic Quotes GPC Off	Yes
Register Globals Off	Yes
Zlib Compression Support	Yes
XML Support	Yes
Database Support: (pdo_mysql, pdo, mysql)	Yes
MB Language is Default	Yes
MB String Overload Off	Yes
INI Parser Support	Yes
JSON Support	Yes
configuration.php Writeable	No 

## Recommended settings:

These settings are recommended for PHP in order to ensure full compatibility with Joomla.

However, Joomla! will still operate if your settings do not quite match the recommended configuration.

Directive	Recommended	Actual
Safe Mode	Off	Off
Display Errors	Off	Off
File Uploads	On	On
Magic Quotes Runtime	Off	Off
Output Buffering	Off	On
Session Auto Start	Off	Off
Native ZIP support	On	Off

[< Previous](#)[Install >](#)

Lastly, joomla installation wizard will check all the configuration. Now, pressing Install button proceeds us to the installation phase.



Joomla!® is free software released under the [GNU General Public License](#).

## Installing ...



Backing up old database tables

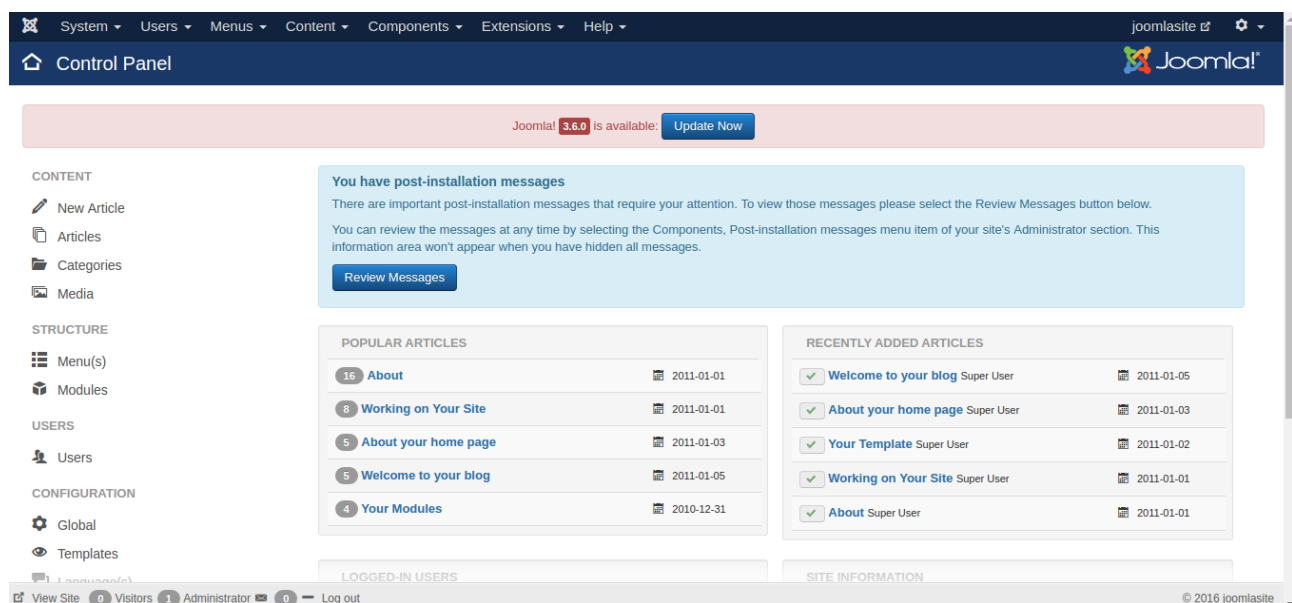
Creating database tables

Installing sample data

Creating configuration File



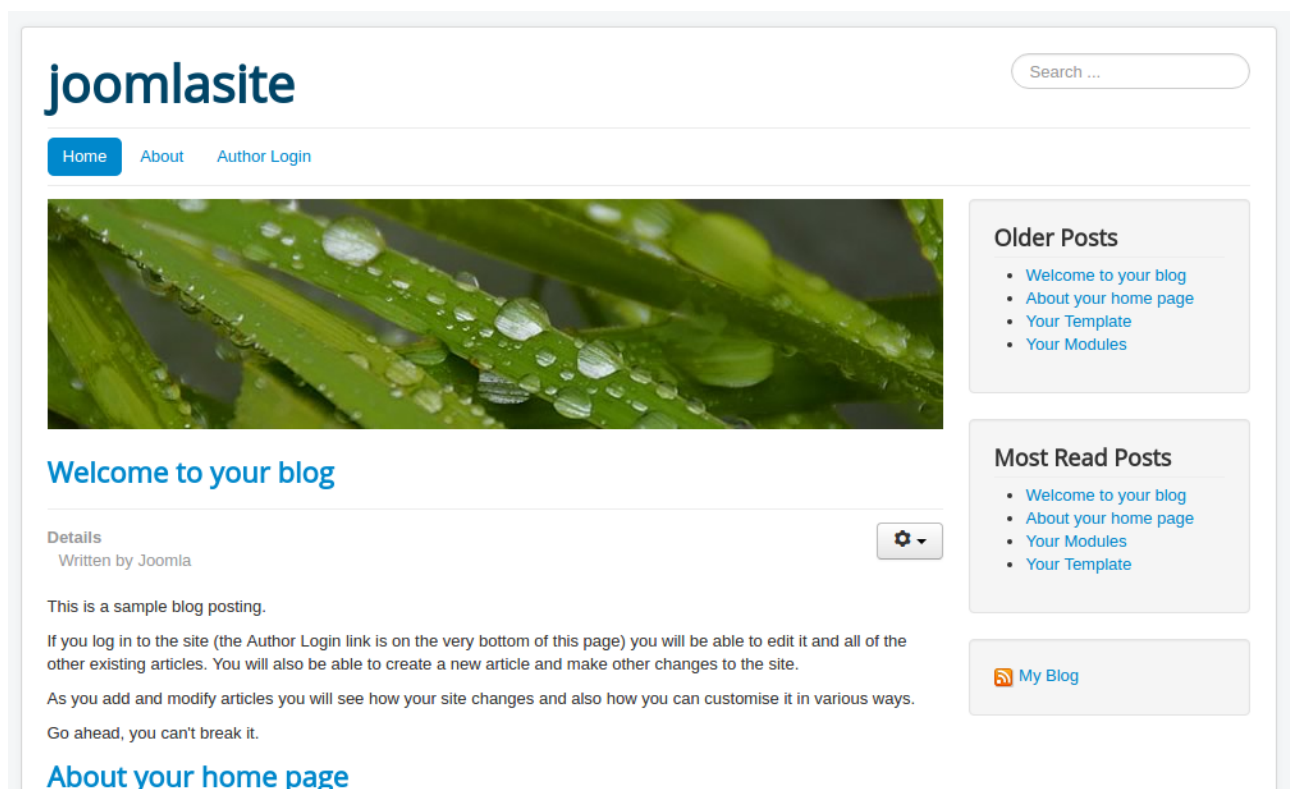
We can login to admin panel, from the URL: localhost/joomla/administrator



*Admin panel*

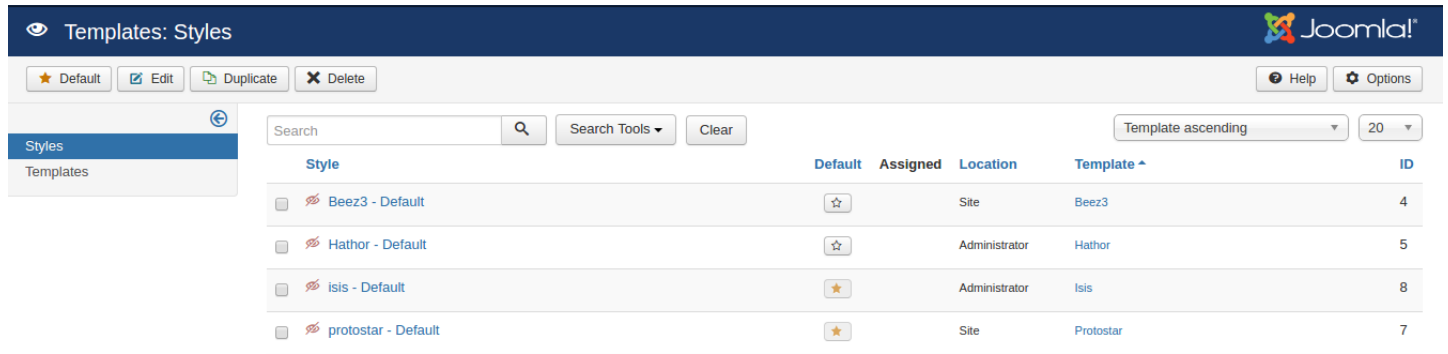
From the admin panel, we can control all our configuration for our website/ blog.

URL: *localhost/joomlasite* is the URL for our homepage.



*Website preview*

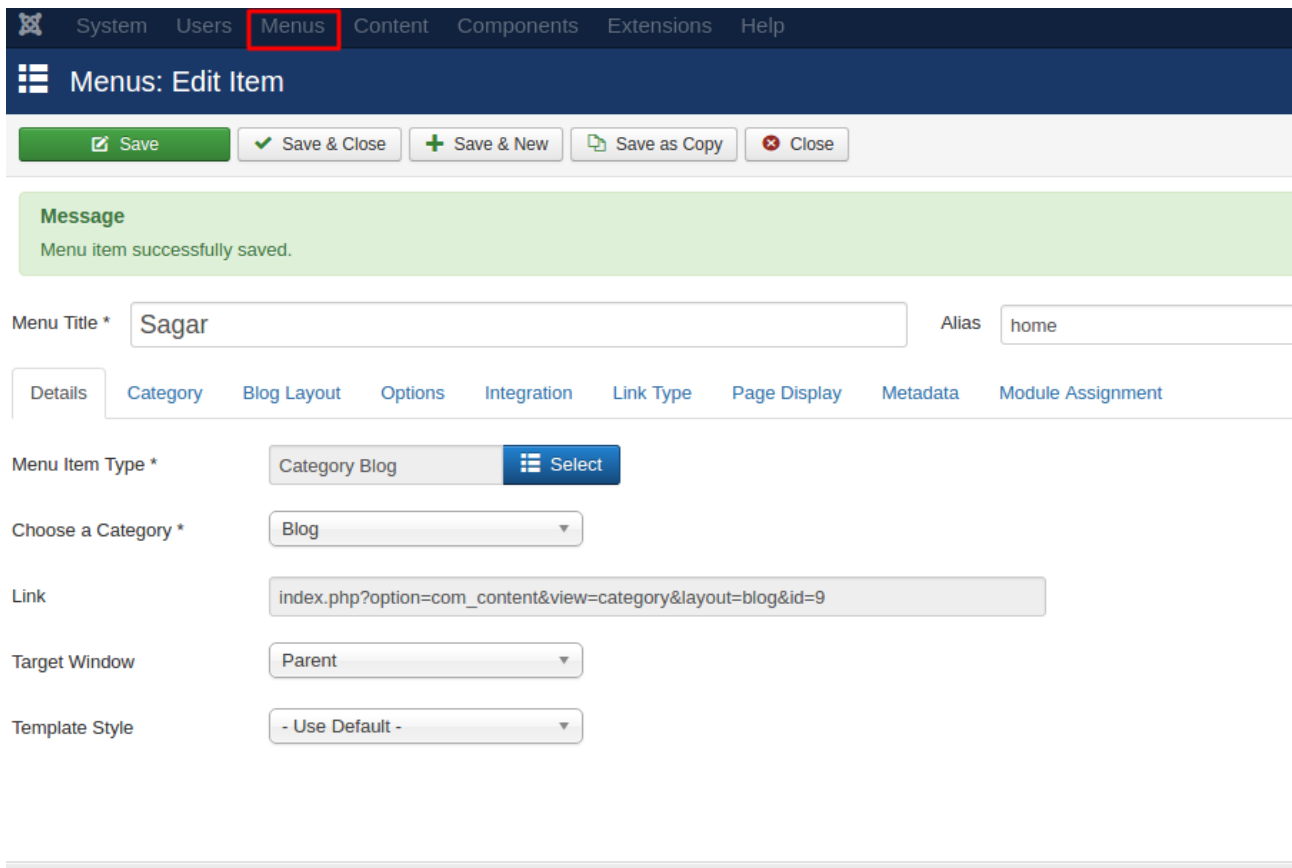
From **templates > Styles** we can control the view of our website as well as the admin panel.



The screenshot shows the Joomla! administrator interface for managing styles. The top navigation bar includes 'Default', 'Edit', 'Duplicate', and 'Delete' buttons. A search bar and 'Search Tools' are also present. The main content area displays a table of styles with columns for 'Style', 'Default', 'Assigned', 'Location', 'Template', and 'ID'.

Style	Default	Assigned	Location	Template	ID
Beez3 - Default	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Site	Beez3	4
Hathor - Default	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Administrator	Hathor	5
isis - Default	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Administrator	Isis	8
protostar - Default	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Site	Protostar	7

From menu section, we can change the menu of our website. Saving the configuration is reflected to our website.



The screenshot shows the Joomla! administrator interface for editing a menu item. The top navigation bar includes 'System', 'Users', 'Menus', 'Content', 'Components', 'Extensions', and 'Help'. The main content area displays the 'Menus: Edit Item' form. The 'Menu Title' is 'Sagar' and the 'Alias' is 'home'. The 'Menu Item Type' is 'Category Blog'. The 'Choose a Category' dropdown is set to 'Blog'. The 'Link' field contains the URL 'index.php?option=com\_content&view=category&layout=blog&id=9'. The 'Target Window' is set to 'Parent' and the 'Template Style' is set to '- Use Default -'.

Menu Title \*  Alias

Details Category Blog Options Integration Link Type Page Display Metadata Module Assignment

Menu Item Type \*

Choose a Category \*

Link

Target Window

Template Style

From Articles section, we can change/ add new blog posts.

Articles: Edit

Save
 Save & Close
 Save & New
 Save as Copy
 Versions
 Close

Title \*  
तपाईंलाई मेरो ब्लगमा स्वागत छ ।

Alias  
welcome-to-your-blog

Content
Publishing
Images and links
Options
Configure Edit Screen
Permissions

Edit ▾ Insert ▾ View ▾ Format ▾ Table ▾ Tools ▾

B I U S
List icons
Paragraph ▾
Undo Redo
Link Unlink
Image
Code
Horizontal rule
Table
Subscript Superscript
Omega
Module


Article Image Page Break Read More

धन्यवाद । :-)

After all configuration and changes, we can view our new website.

[Font Size](#)   [Bigger](#)   [Reset](#)   [Smaller](#)

होम



We are volunteers!



You are here: Home

### Older Posts

---

[तपाईंलाइ मेरो ब्लगमा स्वागत छ ।](#)

[मेरो बारेमा ।](#)

Written by Joomla |

धन्यवाद । :-)

### Most Read Posts

---

- [तपाईंलाइ मेरो ब्लगमा स्वागत छ ।](#)
- [मेरो बारेमा ।](#)

[मेरो बारेमा ।](#)

## Final Preview