

# ROLE EVALUATION OF OPEN-SOURCE CONTENT MANAGEMENT SYSTEM IN WEBSITE

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## ABSTRACT

In the modern age of web 2.0 and 3.0, large number of websites are driven by CMS(Content Management System) which not only manage the text and multimedia content but also valuable information about a website structure and content. CMS is most important tool for Open-SourceSoftware. Open-SourceContent Management System is most popular tool evaluating website. This paper discusses more different important criteria to choose right Open-SourceContent Management System.

Here four different Open-Source CMS evaluated are:

1. Word press
2. Joomla
3. Drupal and
4. Plone

These CMS are very suitable for basic website which contains intermediate functionality.

Whereas Drupal, and Plone are suitable for Complex Site Management and provides more multiuser platform.

**KEYWORDS:** - Open-Source Software; CMS; Word press, Drupal, Joomla and Drupal.

Open-Source Content Management System is the introduction of web 2.0 and 3.0 which has been tremendous innovation in the web community. Trend of the interest and web design is most useful for web design, every business portal, schools, companies, individuals building for its application.CMS is useful for portal, web shop, ecommerce community sites, media any many more.

Web site building can be done through hard coding or with the use of contain management system without several codes or mark-up languages.

free and open-source community has also played an important role in development of some content management system. Open-sourcesoftware is a computer software under a license that allow and users to run the software and to modify and re-distribute the source code. Source code is specialized language that allows software developers to create and modify computer program, if you don't have legal access to the source code, then the program cannot be changed for moved to a different kind of computer.

**CONTENT MANAGEMENT SYSTEM (CMS): -**

In this system software that is used to support the creating, publishing, updating, translating, archiving and retiring the digital information. It is database driven system, that has a suite of tools that allows staff to manage, maintain and change the content of website. The CMS allow editors from various websites to easily share content and technology. Sharing the work load let people focus on what they know and how to do best.

**NEED OF CMS: -**

Content management systems can help to:

Publish and content create in a standard format without need-to-know HTML or other programming language.

1. In this system that only one person is editing any individual content item at any one time. Co-ordinate work to each other:
2. Control the branding and quality of content and that changes to the content are approved before they are published.
3. Re-size the same content item in multiple different sites and formats.

**OBJECTIVES AND METHODOLOGY: -**

1. Evaluate the working process of content management system.
2. Find out the state of art report on CMS.
3. Exploring the work process on it.
4. Search out the features of these open-source system.

The evaluation this study is based on the extensive view of literature available in the print and non-print journal on the online explore the content management system and the features of various content management systems,

**IMPORTANCE : -**

It has become and in dispensable tool in website. Many CMS products have choose the right CMS to user needs. It may important that when we seek information, we often go to use favorite web site pages.

This paper would help to access the working process and features of various CMS.

**LIMITATIONS : -**

This system are available globally but in this study we find the working and process of CMS. Finally, this paper analysis open sources CMS packages.

**FEATURES OF CMS: -**

Every CMS has its own features but these are common:

1. Specify user authentication.
2. Use graphic templates.
3. Work flow management.
4. Use advanced security management,
5. Easy and suitable for content.
6. Plug-ins and themes suitability / availability.

It keeps the various web sites well organized and full security. Several open-source content managements systems are: -

- |             |                     |
|-------------|---------------------|
| 1.WordPress | 6.Typo3             |
| 2.Joomla    | 7.Silver stripe     |
| 3.Drupal    | 8.Text pattern      |
| 4.Plone     | 9.Dotnet            |
| 5.Magento   | 10.Extention Engine |

These Are available for web site design.

**EVALUATION: -**

Open-source CMS selection was to find a systematic tool which analysis open-source CMS packages.CMS provides facility to compare features in over 1,000 CMS Packages.

Comparison is based on the date provided by vendors who developed CMS. It also provides information such as recently updated CMS. On the basis of CMS matrix, surveys and reviews of info words best of open-source software. The packet open-source content management system awards and stone “2011 open-source CMS market share report”, following four CMS are selected for the evaluation:

WordPress

Joomla

Drupal

Plone

**CONCLUSION: -**

We can use open-source CMS to manage their contents effectively and efficiently with the feature’s personalization and web administrative function. While choosing best suitable open-source CMS for the organization one has to study it in detail. Analysis of various features of open – source CMS can often enhance decision making. Open-source CMS facilitates user to context overall content management solution.It provides, freedom to program custom modules according to the needs for basic sides which content few pages and less number of users. WordPress and Joomla are best options. They are useful for

blogs and forum sides. Drupal and Plone are suitable for complex site they move number of pages and multi contributors.

#### REFERENCES: -

1. A(brief) history of CMS development contegro.(n.d)retrieved june19,2016 from <http://www.contegro.com/info-center/designers-blogs-article/thread/abrief>
2. Drupal Content Management System. <http://www.drupal.org>
3. Joomla Open-Source Content Management system.<http://www.joomla.org>
4. Plone Open-Source Software. <http://www.plone.org>
5. Performance analysis of-content management systems-Joomla(n.d).
- 6.“Joomla! 3:4 is here” Joomla.org accessed on 12 February 2016.
7. Building a Web Content Management System (n.d).

