

# Studying the Applicability of Content Management System in Libraries

Shivani Singh Deshwal<sup>1\*</sup> Dr. Pankaj Tiwari<sup>2</sup>

<sup>1</sup> Research Scholars, Himalayan Garhwal University, Uttarakhand

<sup>2</sup> Professor, Department of Management, Himalayan Garhwal University, Uttarakhand

**Abstract – A Content Management System (CMS) is actually a blend of big database as well as file system that are used to store and later retrieve massive amounts of data. This particular Library Content Management System project is founded on the management of the contents as well as materials of a library. This particular Library Content Management System Software has been created as well as put together to fulfil all of the demands as well as requirements for archiving the materials of a library. The primary emphasis of this particular analysis report is actually presenting the present condition of using web CMS in colleges.**

-----X-----

## I. INTRODUCTION

Content is the useful and precious to anyone but content that is right is correct type is considered the most useful to the appropriate users. For digital atmosphere the majority of the info seekers steadily more depend upon the web for digital contents but have no hint the best way to access information that is planned, which led to the need for content business as well as content development. Content management system was first declared in the late 1990s. Presently there are numerous content management systems are readily available and every one of these has the own characteristics of its, because of this it's required a comparative analysis of sturdy open source methods to be able to choose by far the most precise assigned objectives.

A Content Management System (CMS) is actually a system utilized to control the content of a site. Usually, a CMS comprises of 2 elements: the content management program(CMA) and the content delivery program (CDA). The CMA component enables the content supervisor or maybe author, that might not understand Hypertext Markup Language (HTML), to handle the development, modification, and removal of content from a site without wanting the expertise of a Webmaster. The CDA component uses and also compiles the info to upgrade the Site. The functions of a CMS system differ, but many include Indexing, revision control, format management, and web-based publishing, search, and retrieval.



Figure-1 Content Management system at a glance

A CMS system indexes all data to a company. People could then look for data with keywords, which the CMS system retrieves. Library Content Management Systems (LCMS) is actually a Web Content Management System. A web content management system (web CMS) is actually a bundled or maybe stand-alone program to develop, manage, grocery and then deploy content on Web sites. Web content contains text and embedded code, audio, video, photos, or graphics (e.g., for applications) that display content or even interacts with the user. A web CMS may catalog as well as index content, select and/or assemble content at runtime, or perhaps provide content to certain prospects in a requested manner, for example, some other index content, select or perhaps assemble content at runtime, or perhaps deliver

content to specific visitors in a requested way, such as some other languages.

## II. FEATURES OF CONTENT MANAGEMENT SYSTEMS

Early in the evolution of its, content management was viewed individually from paper management. Nowadays, with the progress of intranet and private virtual networks, a lot of papers are on the Web that was largely paper-based in the past. Based on Wilkoff, "It's no more purely related to Web content - it is as much about dealing with owners that are involved with the content activity as it's about coping with the content." To fulfill user expectations, content management systems must provide the coming capabilities: repository management as well as model management, with check-out/check-in features; delegated administrative capabilities; search; workflow procedure management; authoring, template development, and file transfer procedures. Besides a system's features, enterprise content management vendors often offer customer support, education, and continued product development. In order to illustrate a characteristic of an enterprise content management system, consider, once more a regular email message.

Basically a contact message is a memorandum that could present a certain business transaction or perhaps provide assistance facts associated with a business-related occasion. When an executive writes as well as directs an email message (the very first stage of the info lifecycle), he or maybe she produces a record. Content management is able to catch that email as well as archive it. The procedure could be transparent and not impact the executive's efficiency. The content management system would then instantly classify the idea as well as store it, while instantly linking it back again to the executive's desktop or even to an appropriate folder.

Vignette, as well as its alliances, classify the CM into 3 categories:

- Content Development Management - consists of the construction of digital content from principles, content authoring, digital asset management, and document procedure management.
- Application Content Management – involves content aggregation, content description (metadata management) and delivery content specification.
- Content Delivery / Acceleration Management – involves the delivery of content in a controlled and optimized environment.

Thus despite variance, CMS is actually worried about the administration and allowing of content storage, personalization, authoring/editing, approval, delivery,

and publication within an established workflow. The CMS has essentially created keeping in view the corporate sector as target buyers.

### **Benefits of Content Management:**

CM is a crucial success factor for applying some organizational data which is content and procedure centric. Processing of the content is actually essential to approve the files and positioning them. Libraries being the info method centric can easily use CM and attain a lot more advantages.

The advantages of CM are actually:

- Streamline the incorporation of changes and updating of data on web pages;
- Allows higher consistency and improved flexibility;
- Reduces duplication of info;
- Greater capacity for development with improved security;
- Ensures consistency in style as well as supports navigation by various user groups;
- Interaction as well as sharing of electric info that's deeper in character.

### **Take of content management system in the institution of yours:**

The content management is actually a requirement for any business, whether it is educational, Government, legal, transportation, medical, business etc. Furthermore, the libraries are usually used content Management System for keeping the web content of theirs. In India several of the libraries utilize WCMS.

Content management isn't simply about publishing Web sites much more, for creating a library site and making it up-to-date at typical intervals is actually among the most inventive as well as challenging work, because of this reason an IT specialist is actually required for carrying out these kinds of task. The current study reveals that there's not sufficient a lot of IT specialist in the library of theirs for dealing with the CMS of theirs.

Content Management System (CMS) is actually a system just where it helps you to handle some organizational contents by editing, publishing and modifying out of a primary screen which is seen to each of the allowed users. Additionally, with the assistance of web CMS, the info professionals can readily upgrade the site of theirs constantly and additionally, it offers search engine optimization.

The adoption of CMSs to handle academic libraries' sites is actually increasing, but only a few CMSs are made equal. When provided feedback into changing site management tools, library staff have numerous elements to take into account. These include, but aren't restricted to, in house technical expertise, the desirability of open source strategies, the pleasure of peer libraries with considered programs, and library-specific requirements, like workflow management as well as customization demands. Preferably, libraries would usually be partners at the table when campus-wide CMS choices are now being made, though this particular study shows this doesn't materialize in many cases. So long as a library suspects it's apt to always be expected to move to a campus selected system, the staff members of its ought to be vigilant for news of impending modifications to enable them to move to be engaged with the start of the task to have the ability to offer input. A move to a terrible CMS is able to have long term unwanted effects on the library, the subscribers of its, and staff. A library's site is the virtual "branch" of its and important to the performance of the library. The management of these a crucial element of the library shouldn't be left to chance.

### III. CMS IN LIBRARY

The Library Content Management software is going to allow for the digitalization as well as archiving of magazines, digital video as well as sound resources so that the people might annotate, analyse, evaluate as well as share resources. And as it a Web CMS hence it has an internet screen and hence may be accessed anywhere and anytime in a system that has an internet connection. This particular Library Content Management System task is solely created for a faculty or maybe college library wherein the primary goal is actually storing of the scanned copies of all of the magazines, journals, video lessons, etc. that are subscribed by way of the library and then these scanned copies of the publications will likely be made available to the pupils for accessing and reading, online on a separate Library site for this referred to as LCMS site.

Content management tools likewise manage the storage of info. Companies have to defend the integrity of the info of theirs, as it might be required for decision making as well as had to deal with compliance demands. Inspection trail technologies aid at this stage, while repositories assist trace check-out/check-in pursuits as well as version management. CDROM, optical disc, DVD, as well as RAID (redundant array of independent disks) are actually in the technologies used by content management personnel. It's way too simplistic to think that businesses are actually driven by fees, particularly when you are looking at yesterday's info.

6 factors that are essential have to be looked at to recognize the application of content management in the digital library environment.

- Collection development of digital content
- Processing and Organizing the content
- Management of the content.
- Work flow
- Publishing and Presentation
- Strategic information services

Then the scope of content management those confines to the application of content management in library & info planet is actually that libraries are mainly interested in the next grouping of content management as outlined above.

This particular Library CMS is actually utilized to run the recognized Library Content Management System site which is going to contain the articles, news, notifications and blogs about the library as well as the online resources of its. This particular site allows the Library to stay away from the demand of hand-coding and support it for whole pages or particular components. It is going to enable the preservation of materials and publications, provides protection in case of disaster, and also includes capabilities like Web-Based Publishing, Format Management, Revision as well as Version Control, indexing, searching and retrieval. The Library Content Management software, as the last device, is going to allow for the digitalization as well as archiving of magazines, digital video as well as sound resources so that the people might annotate, analyse, evaluate as well as share resources. It may be accessed anywhere and anytime

### IV. CONCLUSION

By effective implementation of the Library Content Management System, it is going to be really advantageous for those pupils that wish to read journals or magazines but are actually not able to do therefore due to the unavailability of the same. It is going to remove the primary difficulty of unavailability of materials as all of the materials will be made the end-user and obtainable on the internet is able to use the magazines anytime and anywhere provided he/she features an appropriate account.

Content management is pretty a brand new idea of Information and Library Centres. Today every company makes an attempt to preserve sites possibly for the Internet or intranet. Materials of virtually any company regarded as a Kaiser, in which library or maybe some other business is his Librarian and Palace or maybe info supervisor is actually a ruler to manage as well as administrate the content management. Library authority even

solved their staff members and troubles must be trained as well as educated concerning web content management system for promoting themselves as well as the libraries of theirs in the developing countries.

## REFERENCES

- [1] Confetto, Maria & Siano, Alfonso. (2018). Social Media Content: A Management Framework. *International Journal of Business and Management*. 13. PP. 84. 10.5539/ijbm.v13n6p84.
- [2] Prof. Vasha Nemade, Shreya Srivastava, Angeera Pranav & Sumit Nayak (2016) "Library Content Management System" *International Journal of Information Technology and Library Science*. ISSN 2349-235X Volume 5, Number 1, pp. 15-26
- [3] Umme Habiba and Rozifa Akhtar (2015) "Use of Web Content Management Systems (WCMSs) in Library: A Study of University Libraries in Bangladesh" *Research Journal of Library Sciences* ISSN 2320–8929 Vol. 3(6), PP. 1-7.
- [4] Bhirud, V. S. (2014). Review Paper on an Open Source Content Management System: Joomla CMS. *International Journal of Recent Research in Mathematics Computer Science and Information Technology*, 1(2), PP. 95-97. Retrieved June 19, 2016, from <http://www.paperpublications.org/journalss/IJRRMCSIT/Issue-2-October-2014-March2015/0>
- [5] Ghorecha, V., & Bhatt, C. (2013). A guide for Selecting Content Management System for Web Application Development. *International Journal of Advance Research in Computer Science and Management Studies*, PP. 13-17. Retrieved June 19, 2016, from <http://www.ijarcsms.com/docs/paper/volume1/issue3/V1I3-0007.pdf>
- [6] Black, Elizabeth. (2012). Selecting a web Content Management System For An Academic Library Website | *Black* 185 Selecting a Web Content Management System for an Academic Library Website. *Information Technology and Libraries*. 30. 10.6017/ital.v30i4.1869.
- [7] Dr. J. Vivekavardhan and Dr Manoj Kumar Verma (2016). "Open Source Content Management System for Content Development: A Study on Wordpress, Joomla and Drupal" *Library Waves* Volume 2, No. 1, ISSN 2455-2291 pp. 6-14

---

## Corresponding Author

**Shivani Singh Deshwal\***

Research Scholars, Himalayan Garhwal University, Uttarakhand