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OPEN JOURNAL SYSTEM-A TOOL FOR SCHOLARLY COMMUNICATION: AN OVERVIEW

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Abstract

The Open Journal Systems (OJS) is an open source solution. It's an online publishing and management system for scholarly journals. The system allows editors to operate a highly flexible journal management and publishing system. It is free to download and install on a local Web server. In this paper, the author discusses OJS, features, system support, software, the process of e-publishing the journal using OJS, advantages, etc.

Keywords: Open Journal Systems.

Introduction:

In the current scenario, technology has brought a revolutionary shift to the publishing industry. Along with the rise of electronic publishing, the traditional approach to publishing has been completely reformed through the rise of electronic publishing. E-publishing was first popularized in the emerging world due to digitization passion. However, internet and web technologies have forced publishing communities to move towards e-publishing to fulfil open access criteria. Getting access to scholarly e-content anytime, anywhere may be very convenient with e-publishing. It may be as simple as putting "Research in your Pocket". Knowledge can be captured through e-journal publishing, which supports the research community as they find related research resources to help with their work.

Open Journal Systems (OJS):

It is an open source solution. It is managing and publishing scholarly journals online. It is an extremely versatile editor-operated journal management and the commercial enterprise system. Furthermore, it will be downloaded at no cost and put in on a local internet server. It's been designed to scale back the time and energy dedicated to the clerical and social control tasks related to the redaction of a journal, whereas up the record-keeping and the potency of editorial processes. OJS could be a journal / internet site management/publishing system. OJS covers all aspects of on-line journal business, from establishing a journal web site to operational tasks like the author's submission method, critique, editing, publication, archiving, and categorization of the journal. OJS additionally helps to manage the individual's aspects of organizing a journal, together with keeping track of the work of editors, reviewers, and authors, notifying readers, and aiding with the correspondence.

Origins of OJS:

The system was launched at the University of British Columbia as part of a research and development effort in 2001, with funding from the Social Sciences and Humanities Analysis Council of Canada, the Pacific Press Endowment, and the MacArthur Foundation. OJS is presently under the control of the Simon Fraser University Library. It is a versatile and scalable application that can support the operation of single or multiple journals. Every journal has its own distinctive universal resource locator likewise as its own look and feel. OJS will change one editor to manage all aspects of a journal and also the

journal's website or OJS can support a global team of editors with numerous responsibilities for a journal's multiple sections.

OJS supports:

Not only is this system intended to facilitate journal publishing, but also to demonstrate how journal publishing costs can be reduced to the point that readers can have free access to the contents of a journal. Public Knowledge Project provides an extensive set of articles that state the case for open access. These articles are freely accessible under Research Publications.

OJS Features:

Below are some features of OJS:

- a) OJS is installed locally and controlled locally
- b) Comprehensive indexing of content
- c) Responsive, themable reader interface
- d) Email notification for readers
- e) Support for article-processing charges, subscriptions, and online payments
- f) Complete context-sensitive online Help support
- g) Multilingual support
- h) Editors configure requirements, sections, review process, etc.
- i) Online submission and management of all content
- j) Subscription module with delayed open access options
- k) Comprehensive indexing of content part of global system. (PKP Metadata Harvester/ OAI compliant like OAIster – OAI PMH
- l) Export tools- CrossRef, DOAJ, PubMed, etc
- m) Google Analytics plugin for site traffic analysis
- n) Optimized search engine discovery
- o) Reading Tools for content, based on field and editors' choice
- p) Email notification and commenting ability for readers
- q) Complete context-sensitive online Help support
- r) Payments module for accepting journal fees
- s) Improves administration and record-keeping
- t) OAI-PMH, LOCKSS, Unicode compliant
- u) DOI support

Open Source Publishing Software:

There are a few Open Source Publishing Softwares as follows:

- a) OJS by PKP
- b) Digital Publishing System (DpubS) by Cornell University
- c) Epublishing Toolkit (ePubTk) by Living Reviews
- d) DiVA,
- e) Annotum (Wordpress theme),
- f) E-journal (Drupal),
- g) SOPS,

h) Topaz, etc.

Advantages of OJS:

Some of the advantages are as follows:

- a) It is a web application tool
- b) Journals articles can visible.
- c) Students and scholars can access the journal anywhere.
- d) Journal articles are Open accessible.
- e) Journal articles with archives with full text.
- f) Anyone can download, read and cite an article.
- g) Increase readability, awareness, and visibility of the journals.

Process of e-publishing the journal using OJS:

Following steps are covered as follows:

a) Understand an e-publishing process: Before starting any form of practical work or implementation, it is imperative to understand concepts regarding what will be entrusted to us. As a result, it is important to work and design in a way that avoids any kind of problems. In this case, the author understood the details of e-publishing; the requirements relating to its content development; how to choose a platform and the consideration that was required.

b) Selection of software or system to e-publishing : Once the process was understood, the main question was which software with which the target objectives could be accomplished. As a result, the task of selecting a good and reputable open source software for e-publishing as well as conducting a literature review was an important step. We have found out that Open Journal System (OJS) is the best platform for open source technologies because it was created by Public Knowledge Project

c) Establishing requirements: It is necessary to arrange some pre-requisites for the Open Journal System before it can be implemented for e-publishing. It is essential to understand one's needs before one can access software. Open Journal System is installed and operated on cloud-based servers. The main advantages of cloud storage include security, backup and the avoidance of crashing. The following steps have been taken during this process:

- Setting up and configuring the Open Journal system
- Creating custom user interfaces
- Downloading and installing the PKP harvester

d) Developing work-flow method: To upload all past and present journal articles on this platform, the object-oriented approach has been adopted. An author, title, abstract, keyword, and author information master database has been created to maintain records and maximize metadata value. Article uploads are done in accordance with the assigned roles. In this method, the following functions are used i.e.

- Content development (If self-submission)
- Uploading content (If self-submission)
- Adding metadata
- Editing submitted papers
- Reviewing final submission

