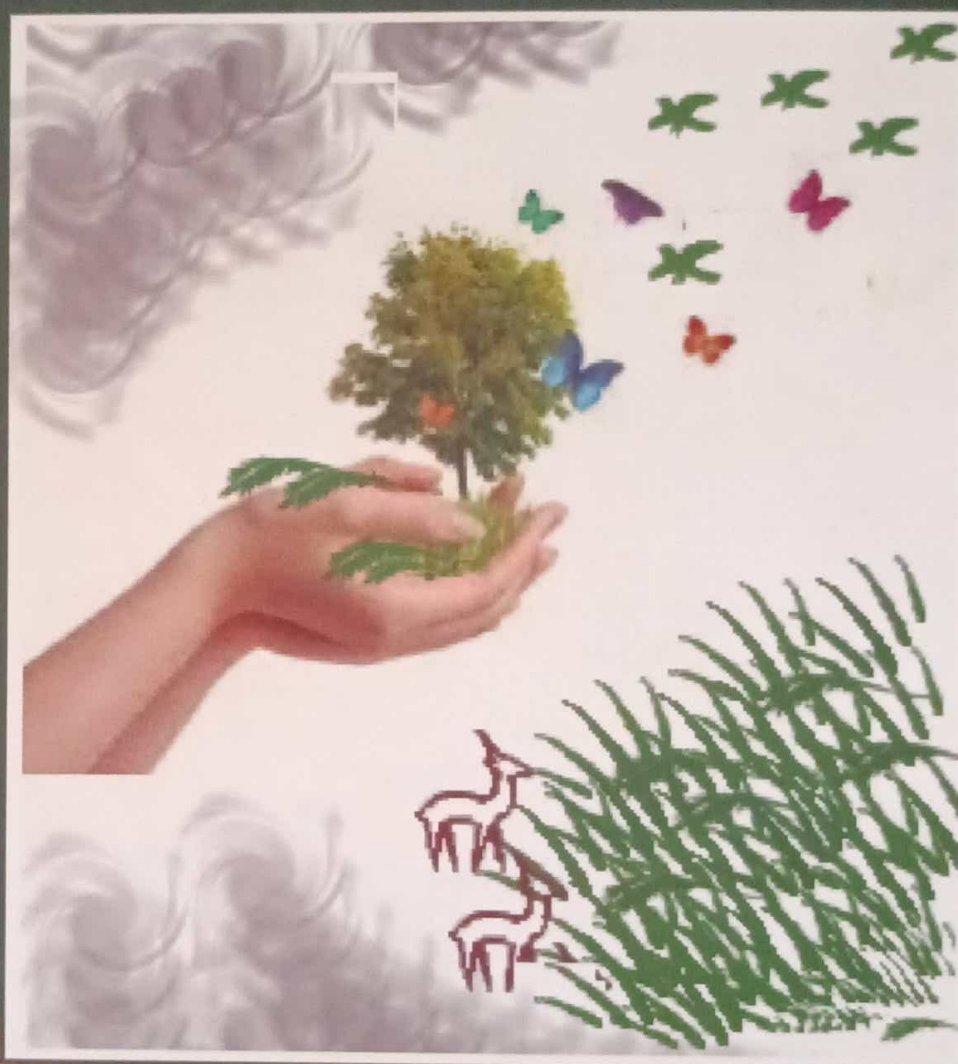


# ENHANCING QUALITY EDUCATION AND ENVIRONMENT CONSCIOUSNESS THROUGH IQAC IN COLLEGES



**Editor**  
**Digambar S. Kulkarni**  
IQAC-Coordinator

**Co-editor**  
**Dr. Niranjan A. Kulkarni**  
IQAC-Member

**Editor in Chief**  
**Dr. Yojana V. Jugale**  
Principal

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HSADACS College, Hatkanangale (MS)

**Published by:**

Sant Dnyaneshwar Shikshan Sanstha's

Hon. Shri. Annasaheb Dange ACS College,

Hatkanangale, Dist-Kolhapur (Maharashtra)

Email-adacshat@gmail.com

And

Nirmiti Sanwad Pro. Pvt. Ltd.

873 C/2, C-Ward, Siddhishri Plaza,

Rajaram Road, Kolhapur-416002

Email- anilnirmiti@gmail.com

**ISBN: 978-93-82028-82-6**

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**DEVELOPING LIBRARY WEBSITE USING OPEN SOURCE SOFTWARE  
WEBLY: A CASE STUDY OF PVP COLLEGE LIBRARY, KAVATHE  
MAHANKAL**

**Mr. Mahesh Kamble**  
P.V.P. College K. Mahankal

**Mr. Shivaji P. Kamble**  
Kisanveer College, Wai

**Mr. Dattatray S. Patil**  
S. M. College, Akluj

**Introduction:**

Change is a dominant factor in human life. Due to explosion of information and application of ICT, the need of the time requires understanding of the new advanced concepts and changes in Library and Information Science. The Library professionals should prepare themselves to fulfill the expectations of readers and the theme "Recent trends in Library and Information Science" would be very useful to know the advanced concepts, theories and technological developments in the field of library and Information Science.

**Padmabhushan Vasatraodada Patil Mahavidyalaya:** Shikshan Prasarak Society is the only premier society that caters to the needs of Higher Education in Kavathe Mahankal. The Padmabhushan Vasatraodada Patil Mahavidyalaya was established in 1978. The society runs Senior and junior college. It is a matter of pride for Mahavidyalaya that the senior college has been reaccredited with 'B' grade by the NAAC, Bangalore.

**Library:** The Padmabhushan Vasatraodada Patil Mahavidyalaya Library was established in the year 1978. The total collection of the library holds 65000 books and 125 Periodicals. The library is the member of N-LIST program of INFLIBNET. With the help of N-LIST library provides access to more than 80 thousand books and 2500 full text periodicals.

**Weebly:** Weebly is one of the pioneers in creating HTML5 based websites and templates. It's an entirely online website builder with lots of goodies for designers. Its designs are immaculate and its features are mind blowing. Every template and website design created using Weebly is compatible with mobile devices and works smoothly on all major platforms. Weebly is a San Francisco, California based company that was founded in 2006 with the mission to help people put their information online quickly and easily. Weebly is a web-hosting service that allows the user to drag and drop while using their website builder. Weebly offers a free online website creator. It uses a simplistic widget-based site builder that operates in the web browser. All of Weebly's site elements are drag-and-drop. It works with Microsoft Windows, Mac OS and Linux computers. Weebly automatically generates a mobile version of each website. The default site URL is "*yourname.weebly.com*". Storage through Weebly is unlimited. However, the service restricts individual file

sizes. The major features of Weebly include: It is completely free to create and publish a website with Weebly, Flexible Blogging Features, Powerful Multimedia Features, Free Hosting and 70+ Beautiful Designs (or Customize Your Own), etc.

**Objective:** The article describes the design and implementation process for developing a library website at PVP Mahavidyalaya Library, Kavathe Mahankal and gives practical guidance and advice.

**Review of the Literature:** Spool and Nielsen are leading authorities on effective website design and provide extensive practical advice and hints and there are many other authors, such as Rowlands, Constantine, and Morville, who present viewpoints on good practice design. McClements and Becker also suggest useful hints and design features that must be included if a page is to be effective. Rozic-Hristovski, Todorovski & Hristovski (1999) described the development of the Central Medical Library website at the Medical Faculty of Ljubljana, Slovenia. The aim of the website is to serve as a guide to the library resources and services. The website is built with a uniform graphic design and a menu driven structure. The structure partitions information space by providing meaningful subject categories that enable efficient exploring by browsing. Because the categories are limited in their granularity a search engine based on the Harvest system is included. An evaluation of website access was carried out by analyzing and exploring the web server log files using data warehousing and OLAP (On-Line Analytical Processing) technology. The study also suggested some possibilities for future development of the website. Houghton's (2000) study described the design and implementation process for developing an academic library website at De Montfort University (DMU) and gives practical guidance and advice. The aim of the website was to provide access to quality information services for students and staff at a large decentralized university. The article discussed resources and subject areas that are specific to DMU's teaching and learning environment. However it aims, where possible, to give generalized advice to any academic library that is considering building a website in the hope that others will benefit from the DMU experience. Raward (2001) described the development of a checklist for best practice design principles for academic library websites using a Usability Index Checklist (UIC) developed from principles derived from the Human-Computer Interface (HCI) literature. As user acceptance and usability are major issues in the design of library websites this paper suggests that the design will be most successful when a user-centered design model is included in the development and implementation of academic library web pages.

**Open Source and Website Designing:** Open source applications and tools are a great alternative for web designers on a budget. Many open source tools have comparable features to the expensive applications, and are also free. This makes it possible for a web designer to have all the tools and applications needed to

complete everyday tasks without even spending a Rupee. Following are the some open source software's for website design.

1. **Drupal:** Drupal is open source software maintained and developed by a community of over 1,000,000 users and developers. It's distributed under the terms of the GNU General Public License (or "GPL"), which means anyone is free to download it and share it with others. This open development model means that people are constantly working to make sure Drupal is a cutting-edge platform that supports the latest technologies that the Web has to offer. The Drupal project's principles encourage modularity, standards, collaboration, ease-of-use, and more.

2. **Joomla:** Joomla is an award-winning content management system (CMS), which enables you to build Web sites and powerful online applications. Many aspects, including its ease-of-use and extensibility, have made Joomla the most popular Web site software available. Best of all, Joomla is an open source solution that is freely available to everyone. Joomla is designed to be easy to install and set up even if you're not an advanced user. Many Web hosting services offer a single-click install, getting your new site up and running in just a few minutes. Since Joomla is so easy to use, as a Web designer or developer, you can quickly build sites for your clients. Then, with a minimal amount of instruction, you can empower your clients to easily manage their own sites themselves. If your clients need specialized functionality, Joomla is highly extensible and thousands of extensions (most for free under the GPL license) are available in the Joomla Extensions Directory.

**Coffee Cup Free HTML Editor:** Coffee cup free HTML editor is the free version of a commercial product, and so missing a few tools (CSS menu design, FTP upload and so on). If you're a beginner, though, this probably won't matter too much. You can use the Open from Web option to open an existing web page, for instance, and tweak this to add your own content. There are plenty of powerful editing tools, a local Help file to walk you through the more complicated parts, and you can also upload your page to Coffee Cup's S-Drive platform, where it will host it for free.

**Notepad++:** Notepad is an amazingly powerful source code editor with a vast number of features. Syntax highlighting makes it immediately easier to read and understand your code, for instance. Code folding allows you to collapse some areas while you focus on others. Auto-completion helps you enter code more quickly (and accurately). There's also a powerful search tool, easy document navigation, bookmarking, macro support, and more, all of which is presented in a highly configurable, easy-to-use interface. Go grab a copy immediately.

**Brackets:** Brackets are an interesting open-source HTML, CSS and JavaScript-based code editor, created and maintained by Adobe. The program deliberately avoids cluttering your workspace with floating toolbars and large icons, instead

allowing you to work directly on your code, with plenty of shortcuts to help. Click in an HTML tag, say, press Ctrl+E and you'll see a Quick Edit box with any related CSS rules, just select the one you need and you'll be able to edit it right away. It's just as easy to edit JavaScript code. And a Live Preview feature means that there's no need to refresh your browser each time to see the changes - they're updated right away. Add the growing list of extensions and, while it's still early days, Brackets is looking like an interesting tool for experienced web developers.

**Padmabhushan Vasantraodada Patil College Library (PVP Library) Website design:** While designing any website, developers have to consider its users. Who is going to use the website and what will be their need? These main points designer have to consider. Design of the library website must be user friendly. The aim of the PVP library website is to serve as a library guide to the online resources. It is to provide well organised, highly informative, text-based information to users. PVP library website can be accessed at [www.pvplibrary.weebly.com](http://www.pvplibrary.weebly.com) it is a dynamic website.

**Home Page:** PVP libraries home page contain title at the top, below that menu bar it contains many menus e.g. Home, Conference/Seminar, Student Section, Electronic Resources, Competitive Exam and Ask a Librarian, etc. user can click on any menu and browse it, Downside Library building image and Collection of the library. There only College, Shivaji University and UGC websites link available. Next is News and Events and Photo gallery. At the end of the home page some useful links available e.g. Marathi Vishwakosh (Encyclopaedia), some dictionaries, interesting stuffs about science, nature and geography etc.

**Conference and Seminars:** This page has detail information about conference and seminar e.g. Broacher, registration form and copyright form available user can easily download it. After conference general report will be displayed on this page.

**Student Section:** This menu has two sub menus one is senior section and junior section here user can find information related to senior and junior section students e.g., facilities, admission process, merit list, student schemes (scholarship, different competitions etc.), exam time table etc.

**Electronic Resources:** This page has contained PVP College Repository & subscribed N-LIST electronic resource and Open Access electronic resources. They are as follows:

Particular	N-LIST	Open Access
E-Books	93809	42 Lakhs
E-Journals	6247	15000
Subject Gateways	0	10 ( Subjects)
Electronic Thesis/ Dissertations	0	10 (Institutes)
Institutional Repositories	0	6 (Institutes)
Virtual Labs	0	2 (Institutes)

**Competitive Exam:** This section provides e-resources for competitive examinations.

**Ask a Librarian:** At this page librarian provide one of the best facilities to the student. Here students can ask any query to the librarian by sending e-mail. This page has one form where students can fill their name, email with their question when they click submit button one e-mail will be send to the librarian and librarian will give answer to the query through e-mail. In this way students can get desire information.

**Library Personnel and Contact:** This page has contained details of library staff & contact details of the authority persons.

#### **Conclusion:**

In this era all libraries must have their own website. Website is the easiest way to reach maximum people at a time. If it is a public, academic or special library they have to take initiative for creating own website. Almost all public and academic libraries are facing funding problem. But now many software's available which free and open source with their help and minimum technical knowledge any one can create his own website. Weebly providing free and open source tools to create website it is pick and drop type user friendly website creating software. The online environment has offered wide opportunities for librarians to support the process of information seeking and using especially for research. The design and development of user centered Web sites is an important step that not only provide users with access to online catalogues, subscribed content, and other open access electronic resources. This is also help to do two way communications with users and library staff.

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