



INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY RESEARCH IN SCIENCE, ENGINEERING AND TECHNOLOGY

Volume 7, Issue 12, December 2024



**INTERNATIONAL
STANDARD
SERIAL
NUMBER
INDIA**

Impact Factor: 7.521



6381 907 438



6381 907 438



ijmrset@gmail.com



www.ijmrset.com



International Journal of Multidisciplinary Research in Science, Engineering and Technology (IJMRSET)

(A Monthly, Peer Reviewed, Refereed, Scholarly Indexed, Open Access Journal)

Online News Portal Website

Spoorthy M B ¹, Heena Kouser ², Nayana R N ³, Yashaswini N G ⁴

U.G. Student, Department of Computer Engineering, Sri Taralabalu Jagadguru Institute of Technology, Ranebennur,
Karnataka, India^{1,2,3}

Assistant Professor, Department of Computer Engineering, Sri Taralabalu Jagadguru Institute of Technology,
Ranebennur, Karnataka, India⁴

ABSTRACT: An online news portal website serves as a digital platform that delivers real-time news and information across various topics, including politics, entertainment, sports, business, technology, and lifestyle. These websites are designed to provide users with easy access to breaking news, in-depth articles, videos, and other multimedia content. They typically feature user-friendly interfaces, search functionalities, and categorization to ensure that visitors can quickly find relevant stories. Most news portals also allow for interactivity through comments, social media sharing, and personalized content recommendations. With the growing demand for instant news, these platforms play a critical role in shaping public opinion and providing timely updates to a global audience. Additionally, online news portals may incorporate tools for multimedia storytelling, such as live streams, podcasts, and photo galleries, enhancing user engagement and experience.

KEYWORDS: Content Management System (CMS), Keyword Search Optimization, Breaking News, Latest Updates

I. INTRODUCTION

The Online News Portal is a comprehensive web application designed to publish, organize, and deliver news to readers efficiently and dynamically. This portal is developed using PHP, a popular server-side scripting language that supports robust back-end functionalities, essential for content-rich applications like news websites. The project targets a responsive, user-friendly design, making it accessible on various devices, including desktops, tablets, and mobile phones. In the digital age, traditional print media is rapidly declining, with audiences shifting towards online platforms for their news consumption. An online news portal not only provides immediate access to news updates but also allows users to engage through comments, feedback, and sharing features. Additionally, news portals can reach a broader audience as they are not constrained by geographic or temporal limitations.

An online news portal website is a digital platform designed to deliver news and information to users in real-time, offering a modern alternative to traditional print media. These portals provide immediate access to a wide range of news categories, including politics, business, technology, sports, entertainment, and more, making information readily available at the click of a button. Utilizing dynamic web technologies, such platforms are built to ensure a user-friendly experience with responsive design, intuitive navigation, and interactive features. With the ability to incorporate multimedia elements like images, videos, and live updates, online news portals cater to the diverse preferences of a global audience. The rise of these platforms has significantly changed the way people consume news, offering accessibility, convenience, and the ability to stay informed anywhere and anytime.

II. RELATED WORK

RELATED WORK

A. EXISTING SYSTEM

The existing system for news delivery relies heavily on traditional media and basic online platforms, which often lack real-time updates, personalization, and interactive features. Many current online news portals are not fully optimized for mobile accessibility and user engagement, limiting their reach and effectiveness in a digital-first world.



International Journal of Multidisciplinary Research in Science, Engineering and Technology (IJMRSET)

(A Monthly, Peer Reviewed, Refereed, Scholarly Indexed, Open Access Journal)

1. **Delayed Publishing:** Traditional media is often slower in delivering updates, as print media requires lead time for printing and distribution. Even some online platforms lack mechanisms for real-time content updating, limiting the relevance of their news.
2. **Limited Accessibility and Reach:** Many news sites are optimized only for desktop viewing and do not offer responsive designs for mobile users. This reduces accessibility, as mobile internet use has grown significantly.
3. **Static Content with Limited Interaction:** Users today expect more interactive experiences. Older news platforms lack interactive features like comments, personalized recommendations which can make them feel one dimensional.
4. **High Dependency on Manual Content Management:** Without a proper content management system news content publishing and updates can be tedious and error prone, requiring manual efforts by administrators or editors for each update. These limitations underscore the need for a dynamic, responsive, and user-focused online news portal.

B. PROPOSED SYSTEM

The proposed online news portal provides a cutting-edge solution that addresses the limitations of traditional and current online news platforms

1. **Real-Time News Publishing and Updates:** Using PHP, the portal allows for quick and efficient publishing, enabling administrators to update or add news articles instantly. This ensures that breaking news and critical updates are delivered without delays.
2. **Customizable User Experience:** Users can sign up and customize their news feeds by selecting categories of interest, such as business, sports, or technology. This customization not only enhances the user experience but also promotes user retention, as readers are more likely to return to a portal that aligns with their preferences.
3. **Mobile-Friendly and Responsive Design:** Built using HTML, CSS, and JavaScript along with PHP, the portal is fully responsive, ensuring accessibility across devices and screen sizes. This means users can access news on the go, from any device.
4. **Admin Panel for Content Management:** A dedicated admin dashboard allows for seamless content management. Admins can publish, update, and categorize news articles, manage user comments, and monitor traffic statistics without extensive technical knowledge.
5. **Efficient Database Management:** The portal's database, managed with MySQL, organizes and retrieves articles, user information, and other relevant data quickly and efficiently, enabling high performance even with a large number of concurrent users.

SYSTEM REQUIREMENT SPECIFICATIONS

Functional Requirements

1. User Management
 - **User Roles:** There should be different user roles, such as Admin, Editor, and Reader, with different permissions.
2. News Management
 - **Add/Edit/Delete News:** Admins and Editors should be able to add, edit, and delete news articles.
 - **Category Management:** News should be organized into categories (e.g., Politics, Sports, Entertainment), which can be created and managed by Admins.
3. Content Display
 - **Category Pages:** Dedicated pages for each news category to display relevant articles.
 - **News Article Pages:** Each article should have a detailed page displaying the full content, along with the author, publish date, and related tags.
 - **Search Functionality:** Users should be able to search for articles using keywords.
4. Comments and Reactions
 - **User Comments:** Registered users should be able to comment on articles.
 - **Comment Moderation:** Admins should be able to delete inappropriate comments.
5. Analytics and Reporting
 - **User Engagement:** Track user activity like comments on article.
 - **Report Generation:** Generate reports based on site activity and content performance.
6. Admin Dashboard
 - **User Management Interface:** View, edit, and manage user accounts.
 - **Content Overview:** View a list of all articles, sorted by categories, dates, or popularity.



International Journal of Multidisciplinary Research in Science, Engineering and Technology (IJMRSET)

(A Monthly, Peer Reviewed, Refereed, Scholarly Indexed, Open Access Journal)

- **Activity Logs:** Track all actions taken by users (e.g., content added, deleted, edited). Analytics Dashboard: Quick overview of website performance, including visitor stats and article performance.

III. EXPERIMENTAL RESULTS

When we have to create a new project we should be login as a administrator.

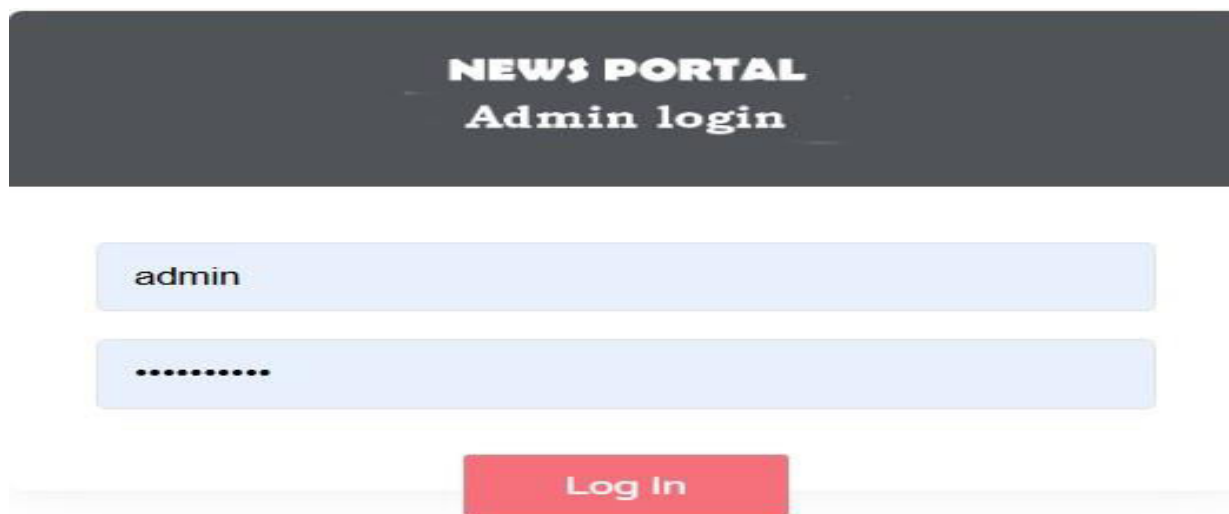


Fig 1. Admin Login Page

Admin Login page of an Online News Portal, designed to authenticate administrators before granting access to the backend system.

Dashboard

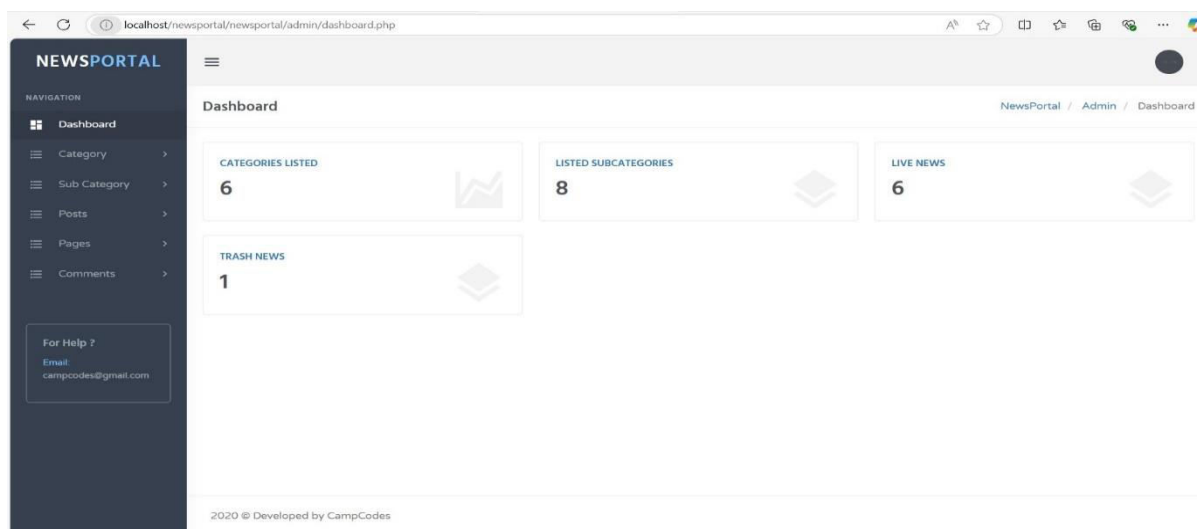


Fig 2. Dashboard



International Journal of Multidisciplinary Research in Science, Engineering and Technology (IJMRSET)

(A Monthly, Peer Reviewed, Refereed, Scholarly Indexed, Open Access Journal)

Dashboard of an online news portal website, designed with a clean and minimalistic interface. On the left sidebar, it features a navigation panel that allows the admin to manage categories, subcategories, posts, pages, and comments. Categories:

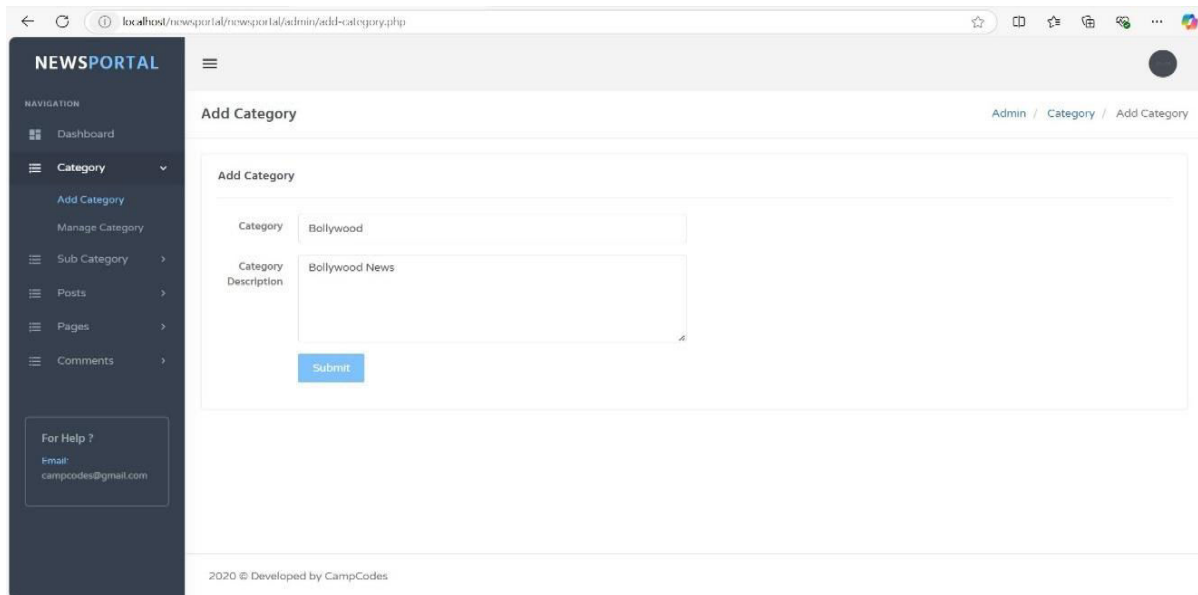


Fig 3. Create Categories

The "Add Category" section of the online news portal website is designed for the admin to create new categories for organizing news articles effectively.

Manage Category:

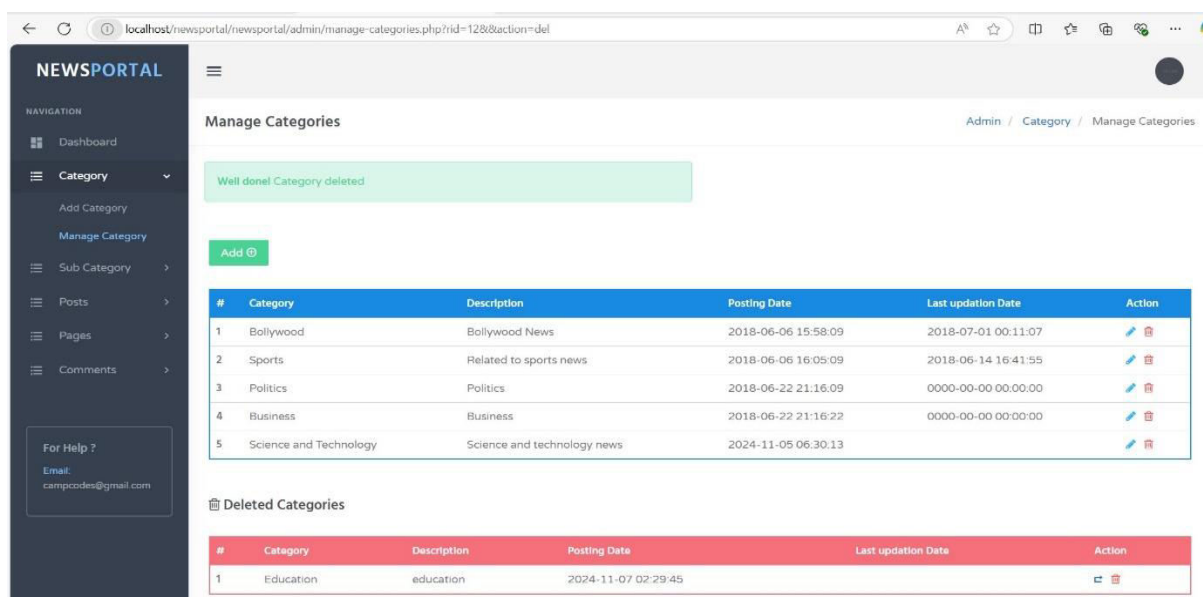


Fig 4. Manage Category



International Journal of Multidisciplinary Research in Science, Engineering and Technology (IJMRSET)

(A Monthly, Peer Reviewed, Refereed, Scholarly Indexed, Open Access Journal)

The "Manage Categories" page allows the admin to view, edit, and delete categories for the News Portal. Categories are listed with their names, descriptions, posting dates, and last update dates, with actions available for modification or removal.

Add Post:

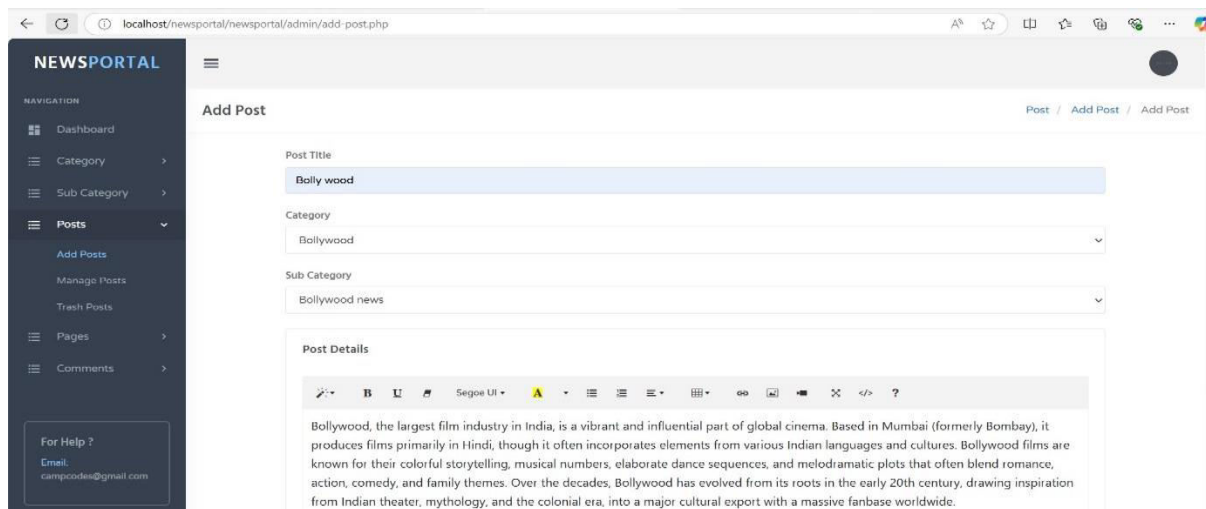


Fig 5. Add Post

To add a post in an online news portal, log in to the admin panel and navigate to the "Add Post" section. Enter the title, content, images, and assign relevant categories and tags for the article. After previewing, you can publish the post immediately or schedule it for a later time.

About Post

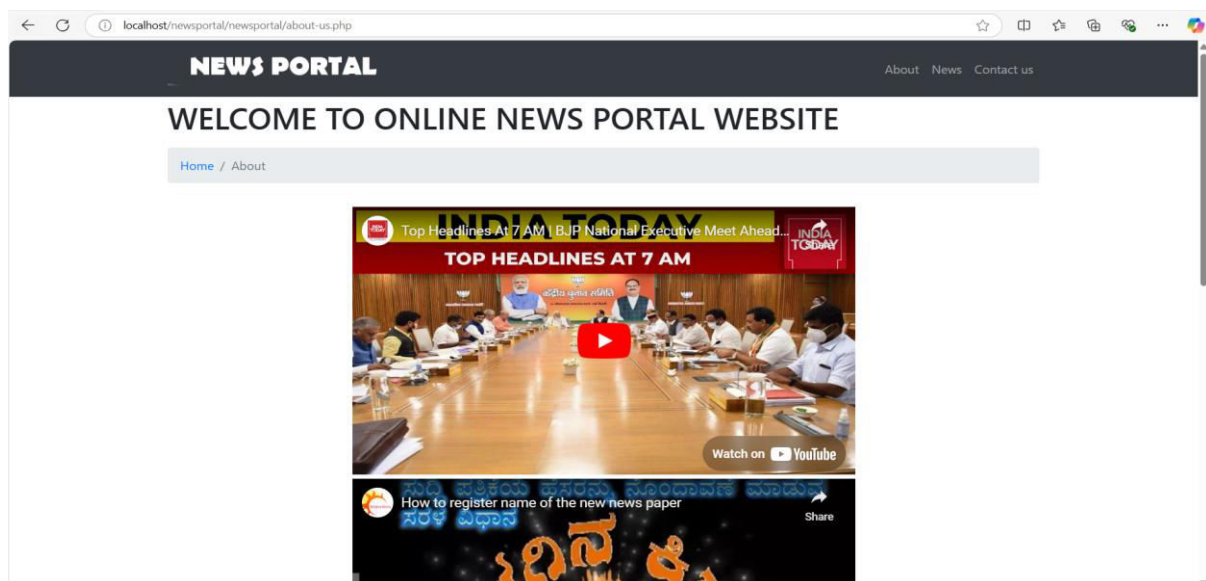


Fig 6. About News Portal



International Journal of Multidisciplinary Research in Science, Engineering and Technology (IJMRSET)

(A Monthly, Peer Reviewed, Refereed, Scholarly Indexed, Open Access Journal)

A news portal is an online platform that provides up-to-date news and articles on various topics such as politics, sports, technology, and entertainment. It often features multimedia content like images, videos, and interactive elements to engage readers.

Contact Page

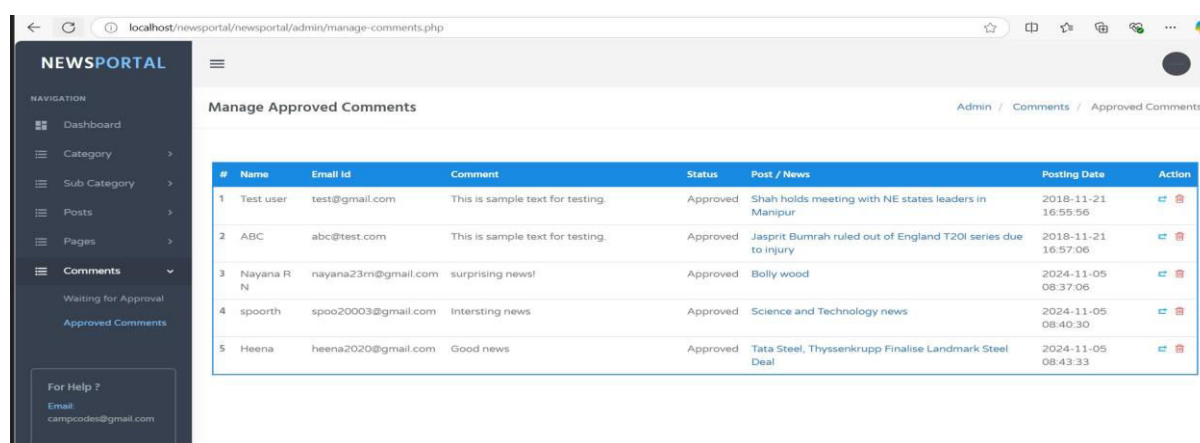


Fig:7 Contact Page

A "Contact Us" page provides visitors with various ways to reach out to the website owners or customer support, such as email addresses, phone numbers, or a contact form. It may also include physical addresses, social media links, and a map for businesses with a physical location.

IV. CONCLUSION

In conclusion, the development of the online news portal website provides a dynamic and user-friendly platform for delivering timely, reliable, and engaging news content to a broad audience. The portal integrates modern web technologies, offering a seamless user experience with features such as easy navigation, responsive design, and efficient content management. It facilitates real-time updates, ensuring readers stay informed about current events as they unfold. By leveraging secure and scalable infrastructure, the platform maintains data integrity and user privacy. Overall, this online news portal serves as a powerful tool for information dissemination, promoting accessibility to accurate news while adapting to the evolving needs of digital journalism.

REFERENCES

- [1] Budi, Satria, et al. "News Portal Website Measurement Analysis Using Iso/Iec 25010 and Mccall Methods." *Journal of Applied Engineering and Technological Science (JAETS)* 4.1 (2022): 273-285.
- [2] Lamsal K. Designing and Developing a dynamic website using PHP.
- [3] Mwika Alan, James. "Design and implementation of advertisement and information web portal using PHP, MYSQL and Apache Technologies case study: soft zone Group." (2008).
- [4] Djusar, Syahtriata, Elvira Asril Zamzami, and Jeffri Supriatna. "Development of A Content Grabbing using php curl to Read News Online."
- [5] Ahmad, Zeti Azreen, and Mazni Buyong. "CONTENT ANALYSIS OF ONLINE NEWS PORTAL: ISSUES AND CHALLENGES." *e-BANGI Journal* 12 (2017).
- [6] Satriyo Sujoko, Wardani Muhamad, and Yerri Fandi "Pencarian Data dengan CRAWL SOCMED Menggunakan PHP cURL (Studi Kasus : ISC PT. TELKOM Indonesia)." *Teknologi Informasi* 1 (5), (2013).
- [7] Yusuf Raka, Kusniyati Harni, and Dewi Rani Eva "Aggregator Otomatis Pencari Produk Dengan Pemberitahuan Melalui Surel Menggunakan Fungsi" *Teknik Informatika* 8 (1), (2015).



INTERNATIONAL
STANDARD
SERIAL
NUMBER
INDIA



INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY RESEARCH IN SCIENCE, ENGINEERING AND TECHNOLOGY

| Mobile No: +91-6381907438 | Whatsapp: +91-6381907438 | ijmrset@gmail.com |

www.ijmrset.com