

END USER MANUAL FOR ONLINE COLLEGE MAGAZINE

--developed by Team "SINERGIA"

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1.0 GENERAL INFORMATION

1.1 Purpose

Online College Magazine is a web application which manages the articles posted by college students and faculties. College students and faculties can post and read various articles managed by this web application. Articles can be searched by anybody in the world who has access to the internet. The prime motivating factor behind the creation of this system is providing opportunities to those who don't make it to the printed version thereby nurturing the creativity of students. This system also inspires user friendly interaction between the students and faculties in terms of sharing ideas.

1.2 Scope

- There are four basic users of the OCM-guests/anonymous users (unregistered users), Registered users (students and faculties), Moderators, Administrators.
- Every registered user, moderator and administrator has their respective profiles.
- Unregistered users can search articles, read them and comment on them. They can also post articles.
- Registered users can search articles, read them, rate and comment on them. They can also post articles to be validated by the moderators and can download articles.
- Moderators can deem an article valid or invalid which has been posted by the registered users according to certain constraints.
- Administrators can add and delete moderators and users.

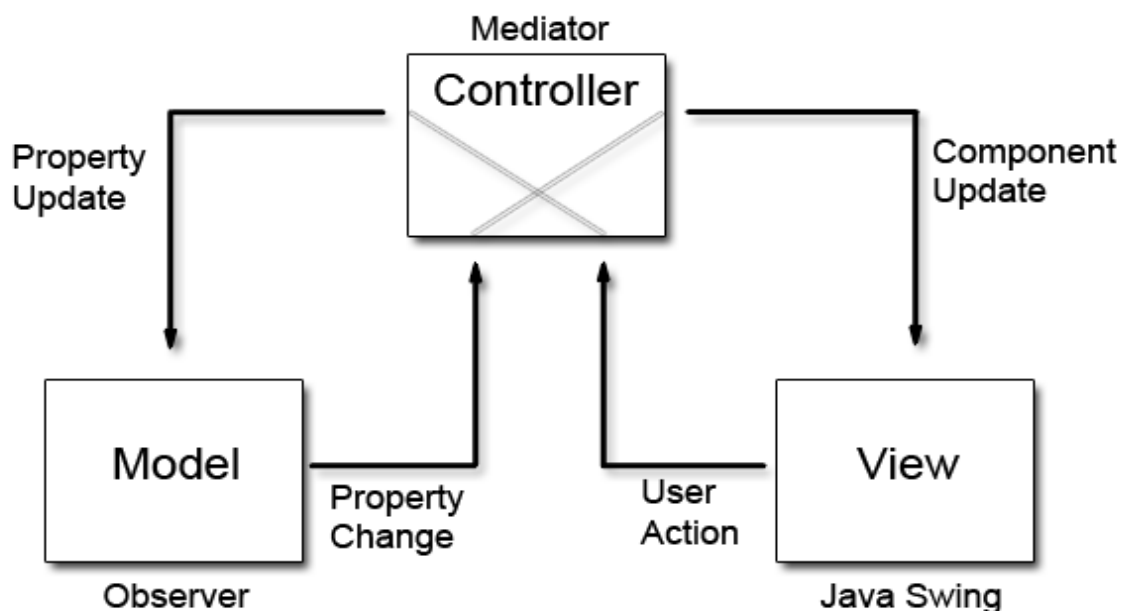
1.3 System Overview

- The Online College Magazine is aimed at providing a non-paper counterpart to the basic College Magazine.
- It also provides a repository for all the previous editions of the magazine in the form of archives and enhances the look of the magazine by providing dynamic features as well.
- Users can upload their articles over the internet. They are provided with the feature of creating their own articles and submitting it to the moderators for validation.

- On successful validation their articles are posted and users can view these articles over the internet and comment and rate on them correspondingly.
- The most important aim of this web application is to widen the number of users having access to these articles, and providing an opportunity to college members who couldn't make it to the paper version of the magazine.
- Moderators are entrusted with the duty of picking up the valid articles from the pool of submitted articles which will be up on the internet and can be viewed by all and sundry.
- Administrators control the entire system; they can add or delete moderators view reports pertaining to performance of moderators and acceptance and rejection rates of articles.

1.4 System architecture

The entire system is designed in accordance to the specifications of MVC(Model-View-Control) architecture to facilitate ease of working in terms of the developers of the various modules, i.e, front end and back end portion(the basic look of the system and its connectivity with the database)



1.5 Coding and Tools Used

The entire system coding can be segregated in the following manner:-

Front End:- JSP, Css, JQuery.

Back End:- Java Servlets, jquery-ajax

The system contains extensive use of JQuery for enhancing its look and feel. Use of jquery-ajax for sending requests and accepting responses from the servers.

Tools used are as follows:-

IBM RAD -**Rational Application Developer** is a development tool that helps to design web pages and also helps to design the diagrams like ER, Database schema diagrams and to generate DDL.

IBM WASCE 7.0 -**WebSphere Application Server Community Edition**. It is an application server that runs and supports J2EE and web service applications.

IBM DB2 - **Database_2**. A database management system that provides a flexible and efficient database platform to maintain records of students, teachers, admin and database manager.

IBM DataStudio – It provides database developers and DBAs an integrated, modular environment for productive administration of DB2 for Linux, UNIX and Windows. It also provides collaborative database development tools for DB2, Informix, Oracle, and Sybase at no charge

IBM RSA - **IBM Rational Software Architect**, (RSA) made by IBM's Rational Software division, is a comprehensive modelling and development environment that uses the Unified Modelling Language (UML) for designing architecture for C++ and Java 2 Enterprise Edition (J2EE) applications and web services

Application architecture – **JAVA, J2EE JAVA**-Java is an object-oriented programming language developed by Sun Microsystems a company best known for its high end UNIX workstations. Java language was designed to be small, simple, and portable across platforms, operating systems, both at the source and at the binary level, which means that Java programs (applet and application) can run on any machine that has the Java virtual machine (JVM) installed.

1.6 References

- UML 2.0-In a Nutshell,A Desktop Quick Reference,O'Reilly,by Dan Pilone,Neil Pitman
- Software Engineering, Fifth Edition, Roger S. Pressman.
- IBM Red Books.
- IBM TGMC Sample Synopsis.
- IBM – *www.ibm.in/developerworks*
- Java - *www.sun.com*
- Wikipedia - *www.wikipedia.com*
- Database Management Systems - Navathe.
- Database Management Systems- Korth.
- Complete Reference - J2EE - Keogh.
- Complete Reference –Javascript- Powell,Schneider.
- Complete Reference- Ajax –Thomas Powell.
- W3Schools- *www.w3schools.com*

1.7 Definitions,Acronyms and Abbreviations

OCM Online College Magazine.Itis a web application which manages the articles posted by college students and faculties.

Admin Administrator. He has the authority to add/delete users and moderators and prepare the progress report of moderators.

Mod Moderator. He can deem an article valid or invalid which has been posted by the registered users according to certain constraints.

WASCE WebSphere Application Server Community Edition.It is an application server that runs and supports J2EE and web service applications.

DB2 Database_2. A database management system that provides a flexible and efficient database platform to maintain records of students, teachers, admin and database manager.

JSP Java Server Pages.It is used to create dynamic web content.

J2EE Java 2 Enterprise Edition.A programming platform which is a part of java platform for developing and running distributed java.

UML Unified Modeling Language is a standard language for writing software blueprints. The UML may be used to visualize, specify, construct and document

XML Extensible Markup Language is a text based format that let developers describe, deliver and exchange structured data between a range of applications to client for display and manipulation.

RAD Rational Application Developer is a development tool that helps to design web pages and also helps to design the diagrams like ER, Database schema diagrams and to generate DDL.

RSARational Software Architect made by IBM's Rational Software division, is a comprehensive modelling and development environment that uses the Unified Modelling Language (UML) for designing architecture for C++ and Java 2 Enterprise Edition (J2EE) applications and web services

2.0 GETTING STARTED

2.1 Registering into the system

College members (college students and faculties) can register into the system when they are accessing the system for the very first time and be eligible to upload articles, view articles and download them. The email field is checked against the college database to ensure that the member trying to register is a valid member of the college.

REGISTRATION PAGE

(Fields marked * are mandatory)

First Name:*

Last Name:*

Department:*

Password:* [HELP](#)

Password must follow these rules.

1. Its length should be greater than 6.
2. It should have lower & uppercase characters.
3. It should have at least one number.
4. It should have at least one special character.

Password strength: Very Weak

Confirm Password:*

Type:*

Year:

Email:*

z o c o r n

Registration page and tool tip demonstration for good password

Department:*

Password:* [HELP](#)

Password strength: Strong

Confirm Password:*

Type:*

Password strength demonstration



Email:*

sagnik.banerjee@gmail.com is not a college member!



Email:*

arpan.banerjee@gmail.com is AVAILABLE!

Email availability demonstration

2.2 Log In

A registered member can log into the system with his/her valid username and password to access the system functionalities. These functionalities are filtered according to the type of user.



EMAIL:

PASSWORD:

TYPE:

Login

[Forgot password?](#)
[Not registered? Register now](#)

2.3 Log Out

Users can log out of the system when they have finished their work. On logging out they can browse through the entire system but will be deprived of special functionalities available to a user who is logged in.

2.4 View user Profile

Registered members can view their profiles after logging into the system. Their profile page contains links to view the articles that they have posted, links to upload new articles and a link to change their password.



College Member profile

NAME : Tamal Chakraborty

CATEGORY: Comics

[Update profile](#)

NO. OF PENDING ARTICLES: 1

LIST OF PENDING ARTICLES

1. TEST2 [View](#)

Choose as Editor's Pick:

☒ Yes

☐ No

[Validate](#)

[Reject](#)

Moderator's profile

AdminProfile

localhost:9081/OnlineMagazine/DisplayProfile

quick access, place your bookmarks here on the bookmarks bar. [Import bookmarks now...](#)

[HOME](#) [PROFILE](#) [CATEGORY](#) [AUTHORS](#) [ARTICLES](#) [EDITOR](#)

Debika Bhattacharya

[Update profile](#)

No Articles have been submitted for the Next Issue.

ADD/CHANGE MODERATOR:

First Name:

Last Name:

Category:

Email:

[Submit](#)

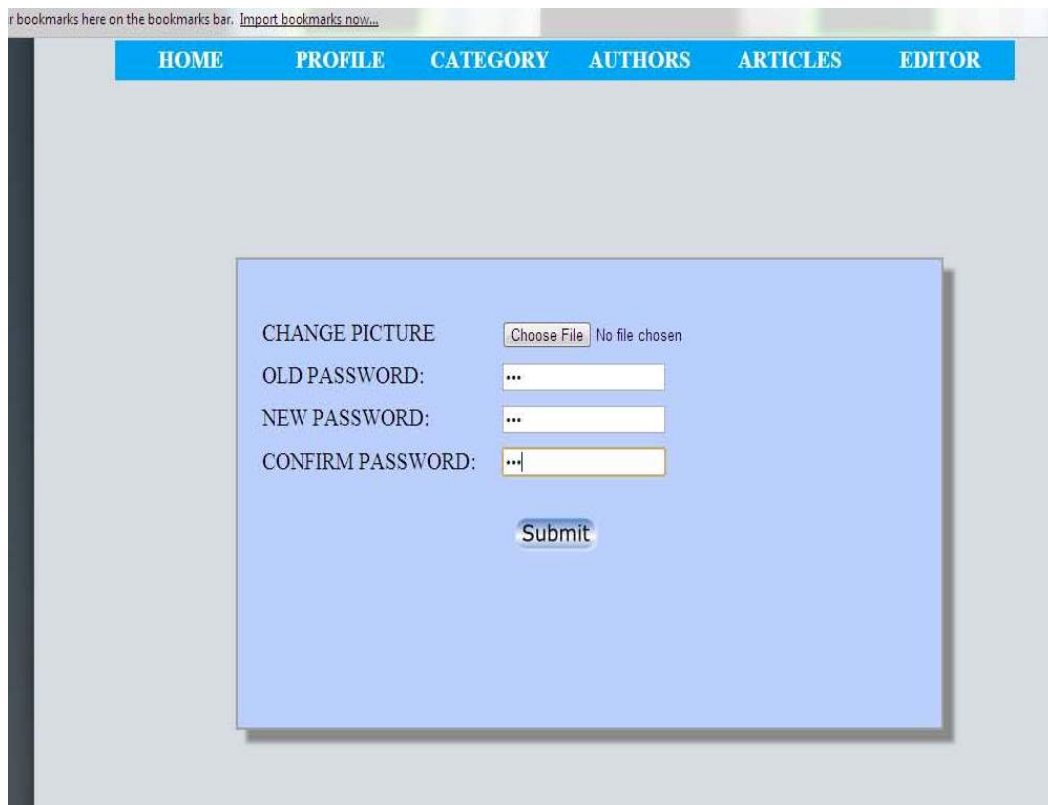
[View Report](#)

[View Report](#)

Administrator profile

2.5 Update Profiles

Updating user profile is an additional feature that registered users can use when they have logged in and want to change their password or profile picture according to their convenience



The screenshot shows a web browser window with a bookmark bar at the top. Below the bookmark bar is a blue navigation menu with the following items: HOME, PROFILE, CATEGORY, AUTHORS, ARTICLES, and EDITOR. The main content area is light gray and contains a blue-bordered form box. Inside the form box, there are four labels on the left and their corresponding input fields on the right: 'CHANGE PICTURE' with a 'Choose File' button and 'No file chosen' text; 'OLD PASSWORD:' with a password input field; 'NEW PASSWORD:' with a password input field; and 'CONFIRM PASSWORD:' with a password input field. At the bottom of the form box is a 'Submit' button.

Updating profile information

2.6 Upload Articles

Uploading articles is an important feature available to every registered member of the system. They can upload their articles in the form of pdf along with a suitable article name, cover picture and adequate tags to facilitate the successful searching of the articles by the users of the system.

POST ARTICLE

Article Name: railway

Category: Travel

Article PDF: Choose File Cracking the...lutions.pdf

Article Picture: Choose File 001d4b1b-2...cb7c_5.jpg

Tag1: rail

Tag2: engine

Tag3: locomotive

Tag4: rajdhani

Tag5: ac class

About the article: a simple article about indian railways

Submit

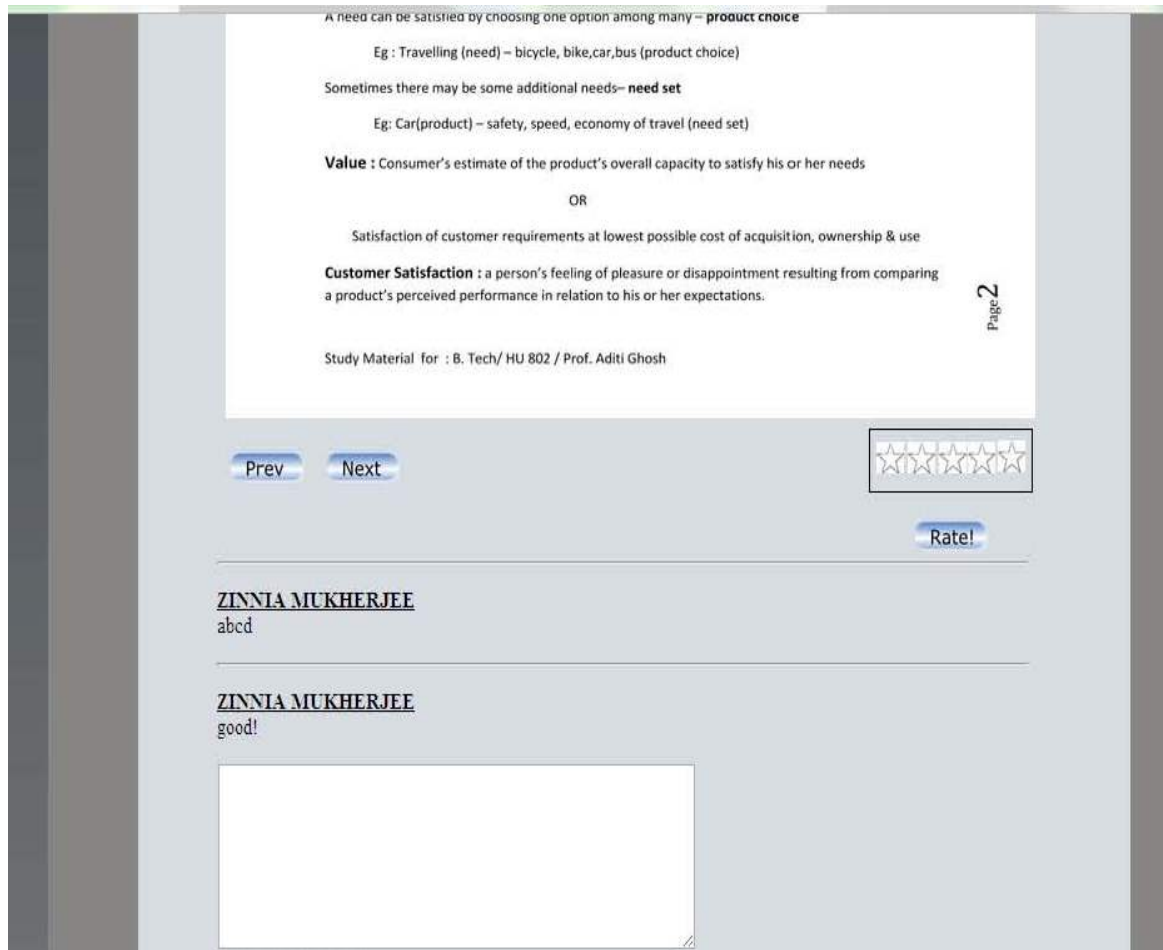
Uploading an article



Successful posting of articles

2.7 View articles

Articles that have been validated and subsequently posted into the current edition of the magazine is available to the users for viewing purposes. For viewing previous editions complete archives have to be viewed.




Viewing the articles

2.8 Comment on articles

Both anonymous and registered users can comment on articles, these comments are filtered according to their content before being posted.

Study Material for : B. Tech/ HU 802 / Prof. Aditi Ghosh

[Prev](#) [Next](#)



[Rate!](#)

ZINNIA MUKHERJEE
abcd

ZINNIA MUKHERJEE
good!

nice job


DOWNLOAD LINK

[Post](#)

Before posting comment

Study Material for : B. Tech/ HU 802 / Prof. Aditi Ghosh

[Prev](#) [Next](#)



[Rate!](#)

ZINNIA MUKHERJEE
abcd

ZINNIA MUKHERJEE
good!

ZINNIA MUKHERJEE
nice job

DOWNLOAD LINK

[Post](#)

After posting comment

localhost:9081/OnlineMagazine/ArticleViewManagerServlet?view_count=25&vid=122&article_name=RISK%20ASSESSMENT&pageno

for bookmarks here on the bookmarks bar. [Import bookmarks now...](#)

SANTOSH GHOSH 2012-04-04 [Rate!](#)
wow anwesha u have really provided adifferent perspective in this field..

SANTOSH GHOSH 2012-04-04
niceeeeeeeeeeeeeee..yaar...u will crack M?BA nxt year with this kind of grasp on marketing.

SANTOSH GHOSH 2012-04-04
Great! [REPORT ABUSE](#)

Guest 2012-04-04
ihj4t5t5wte35te54ty54 [REPORT](#)

[VIEW MORE COMMENTS](#) [VIEW PREVIOUS COMMENTS](#)

trying

[DOWNLOAD LINK](#)

[Post](#)

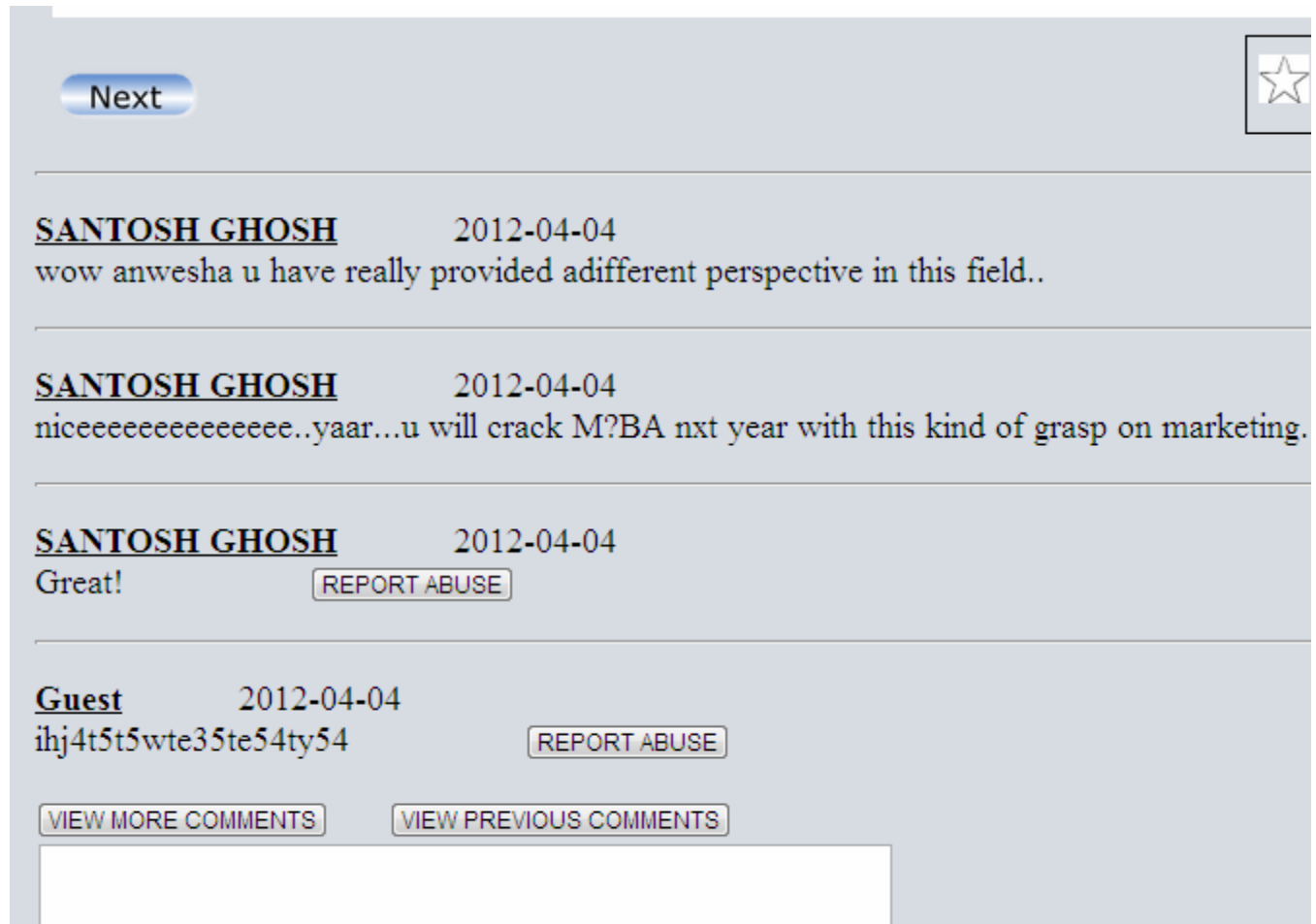
The page at localhost:9081 says:

This comment is deemed inappropriate for public viewing because of the explicit choice of words

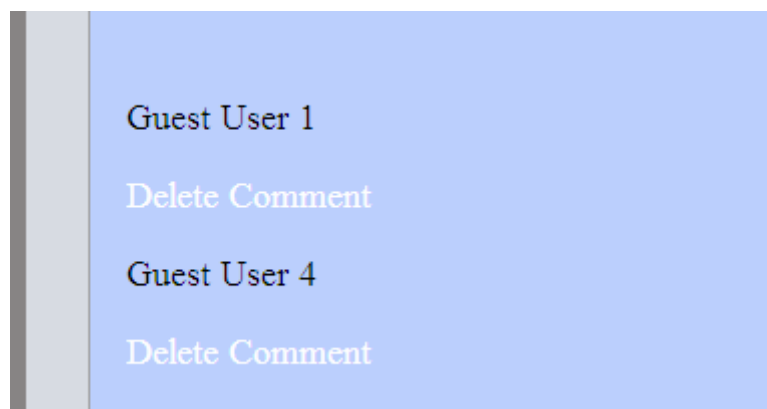
OK

Checking for bad comments

Report abuse link alongside comments and pagination of comments



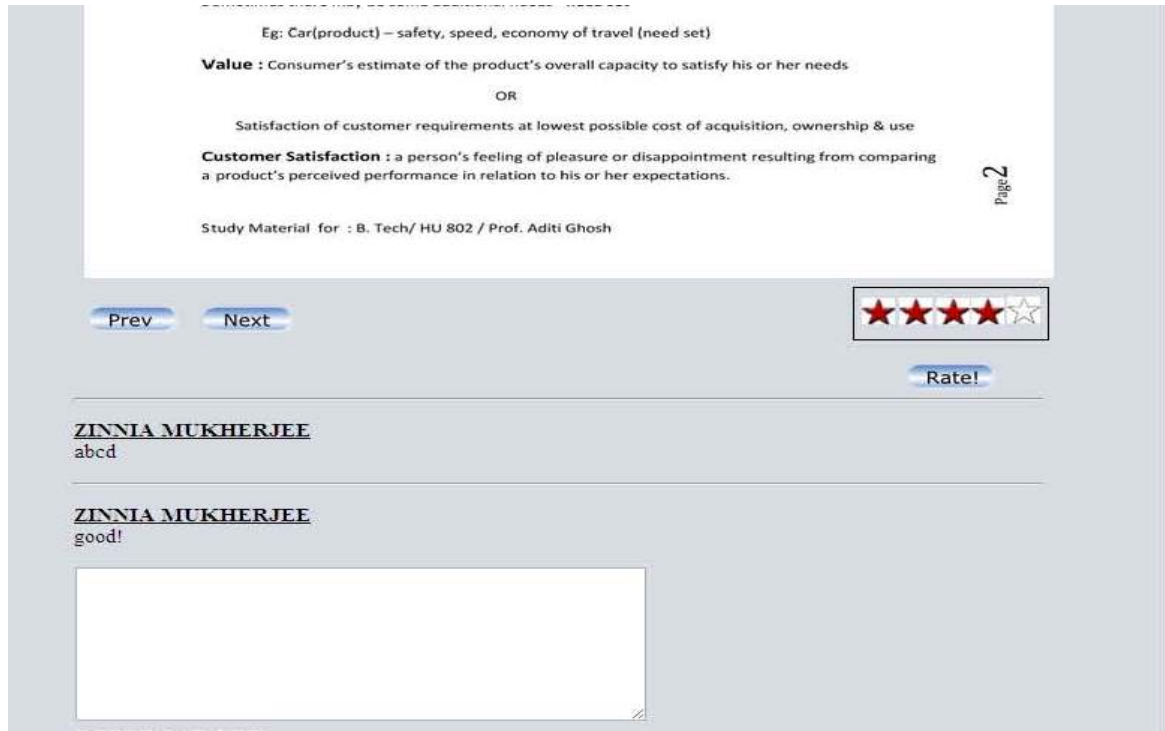
Report abuse link disappears after user has reported a comment inappropriate



Delete comment link after comment has been reported as inappropriate.

2.9 Rate on articles

The system follows a 5 star rating system. Users can hover over the stars and click to put their votes, but it is their last click which is considered as the last vote. A post rate button explicitly stores the votes.




Rating articles while viewing them



Empty stars before rating



Full stars after rating



Thanks for your
Rating!!!

On successful rating

2.10 Validate articles

Moderators are entrusted with the task of validating articles uploaded by the different registered users based on the authenticity of the article and content present in them.



NAME : Tamal Chakraborty

CATEGORY: Comics

[Update profile](#)

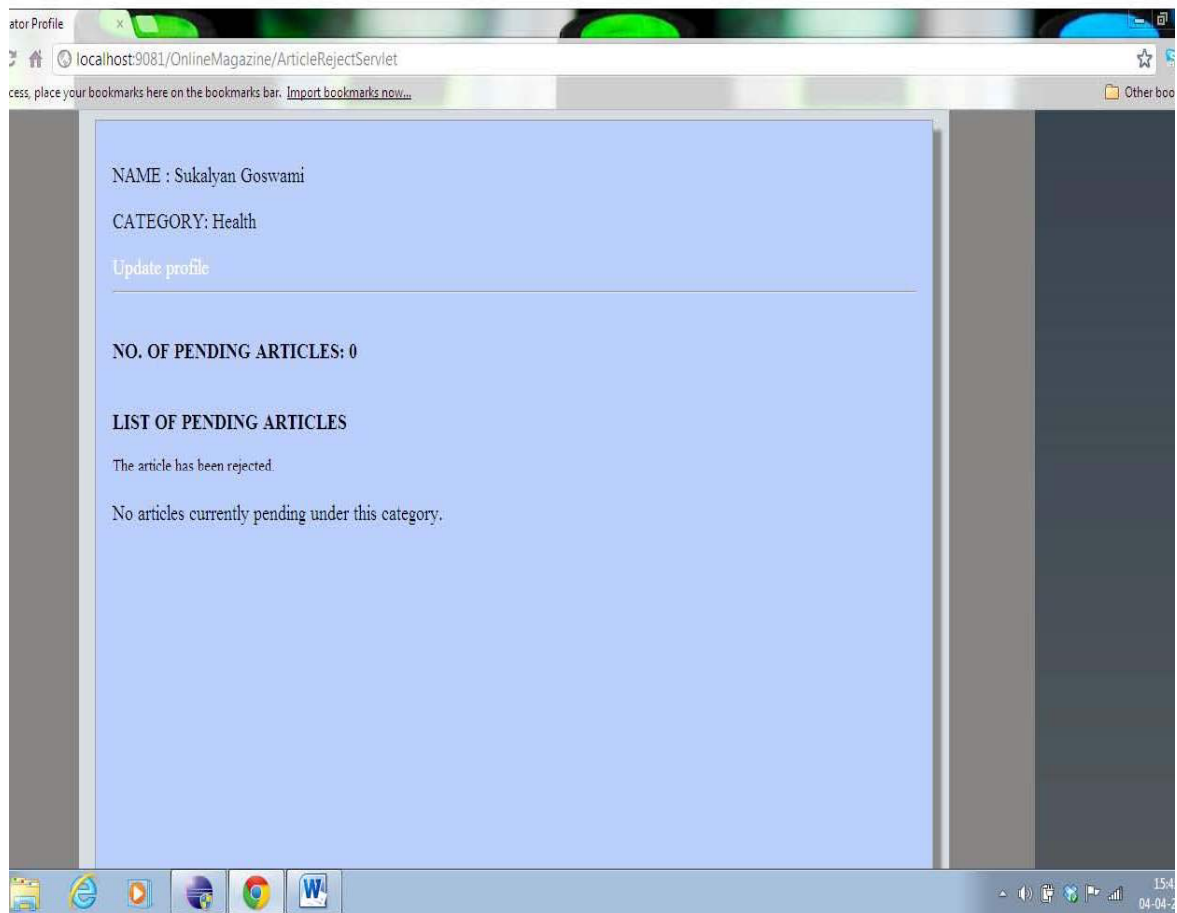
NO. OF PENDING ARTICLES: 0

LIST OF PENDING ARTICLES

The article has been successfully validated!

No articles currently pending under this category.

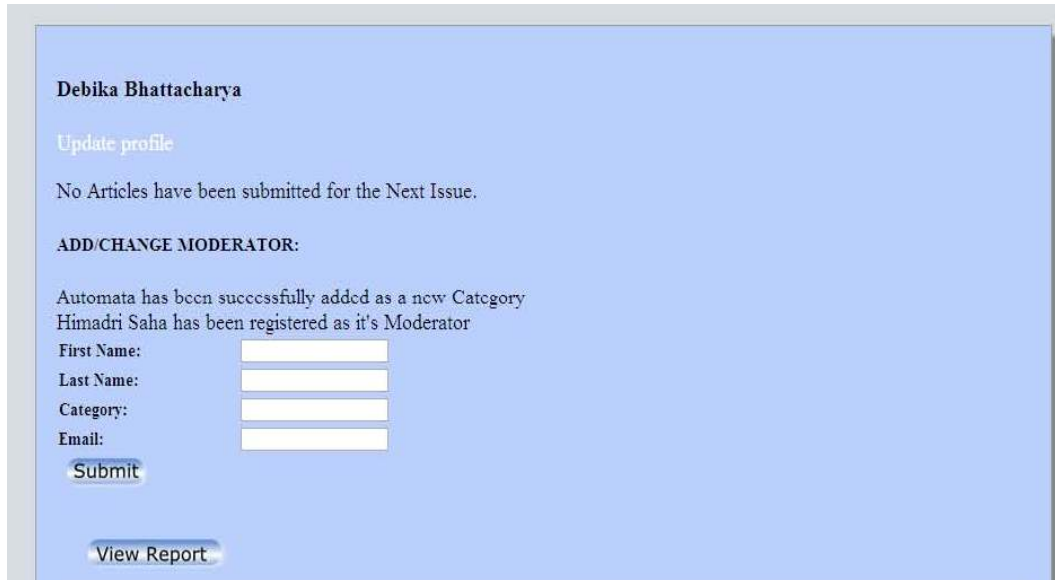
Validation of articles and acknowledgement messages



Rejection of articles and acknowledgement messages

2.11 Add moderators

New moderators are added into the system by the administrators and specific categories are allocated to these moderators. These moderators have the job of validating articles pertaining to their category.

A screenshot of a web application interface for adding moderators. The interface has a light blue background. At the top, it displays the name 'Debika Bhattacharya' and a link 'Update profile'. Below this, a message states 'No Articles have been submitted for the Next Issue.' The main section is titled 'ADD/CHANGE MODERATOR:' and contains two lines of feedback: 'Automata has been successfully added as a new Category' and 'Himadri Saha has been registered as it's Moderator'. There are four input fields: 'First Name:', 'Last Name:', 'Category:', and 'Email:'. Below these fields is a 'Submit' button. At the bottom of the form area is a 'View Report' button.

Acknowledgement after moderator addition

2.12 Delete moderators

Moderators can be deleted by the administrators if they find the performance of the moderators to be unsatisfactory. Basically they are getting replaced by new moderators.

2.13 Prepare Report

Administrators can prepare reports which are prepared on the basis of performance of moderators or the acceptance or rejection of articles in a particular category. These reports are generally graphs generated from the data stored in the database.

2.14 View report

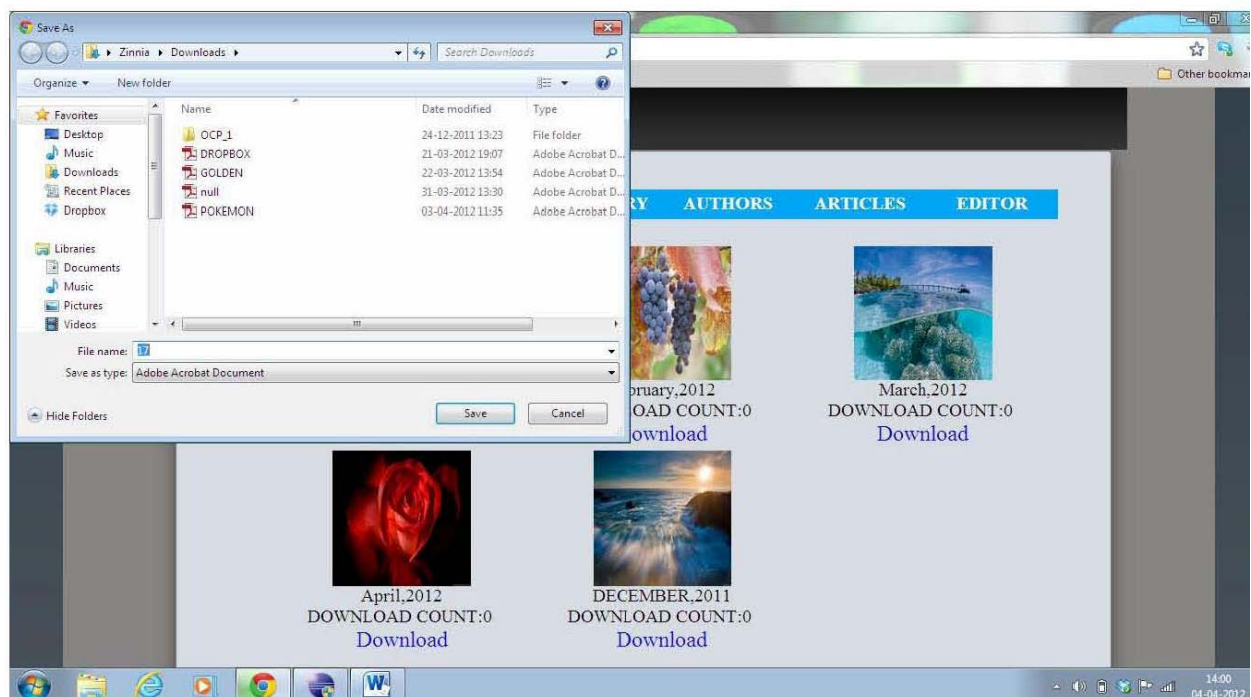
The reports generated in the previous part is viewed by the administrators to assess the performance of the moderators and find which categories are doing well and which are failing poorly in terms of article acceptance.



Viewing reports

2.15 Downloading articles

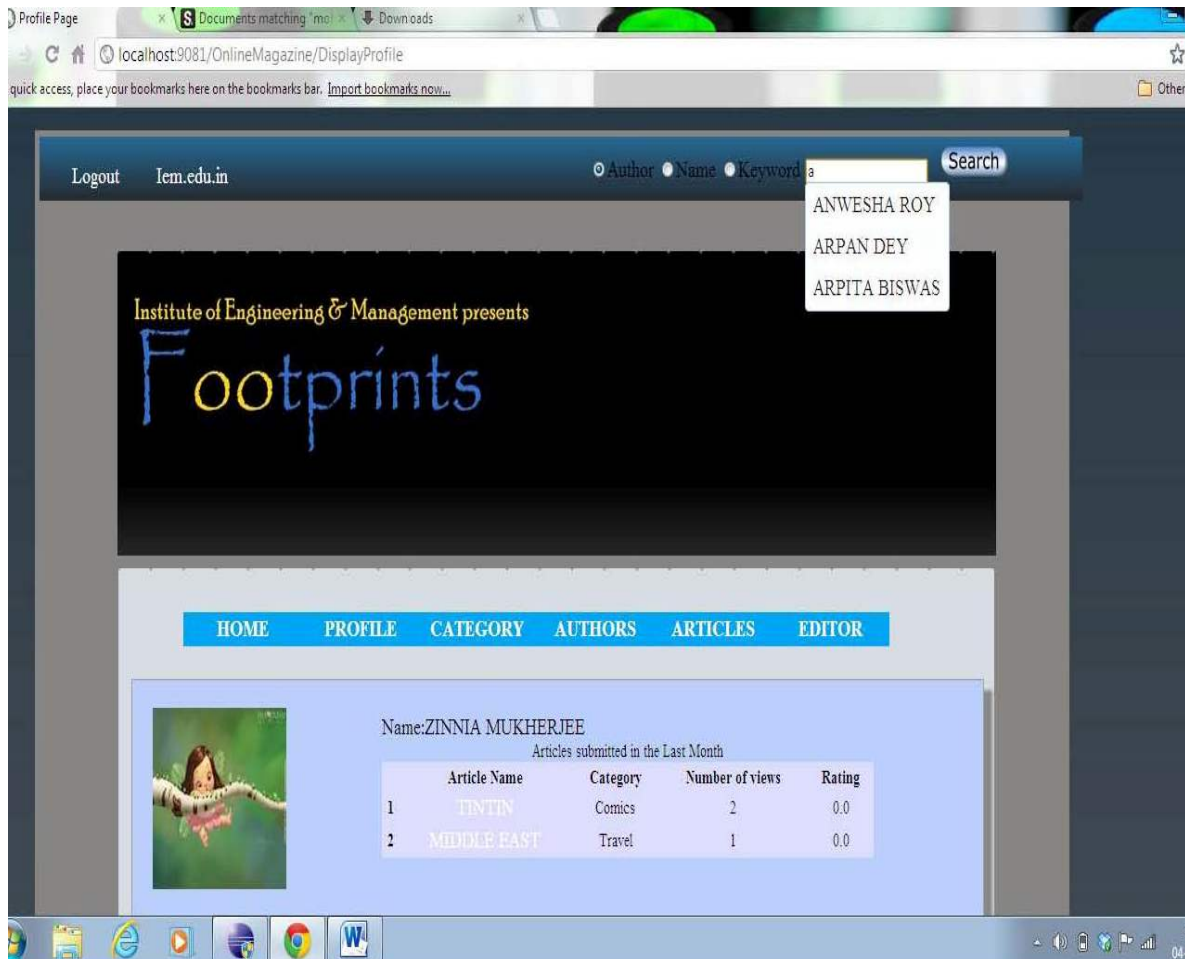
Registered users can download articles / issues by clicking on the download link and they have to be logged in to have this privilege. They can save their file according to their convenience in the file system.



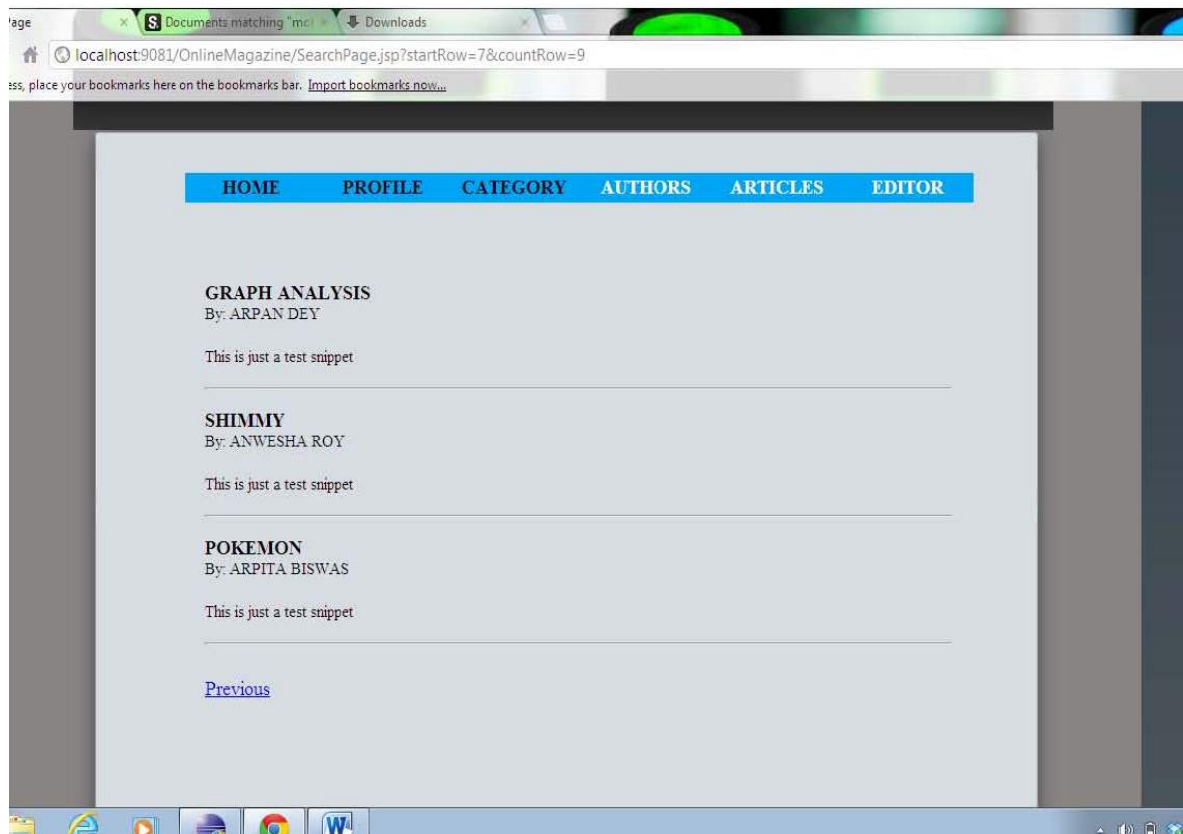
Downloading articles

2.15 Search articles

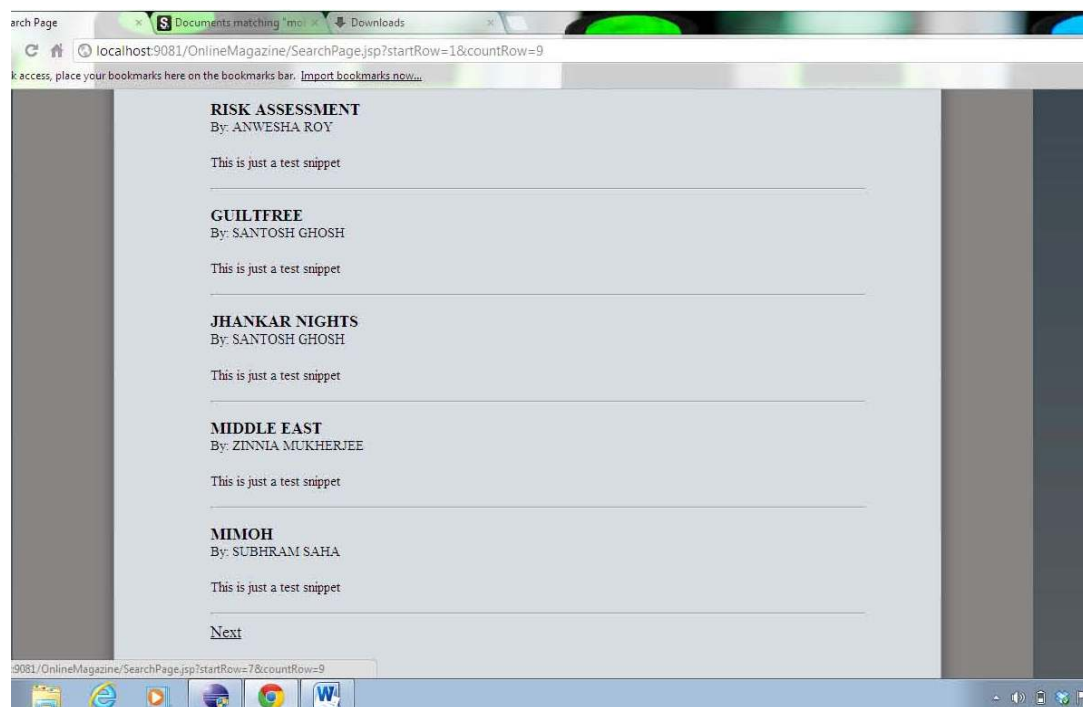
Users can search articles which are already contained in the system, and view the related editions. The searching takes place on the basis of name of the author, category of the article or the author of the article. Search results are presented in a page in the form of bullets which contain links to the original edition containing the article which has been searched.



Auto complete & auto suggest during searching

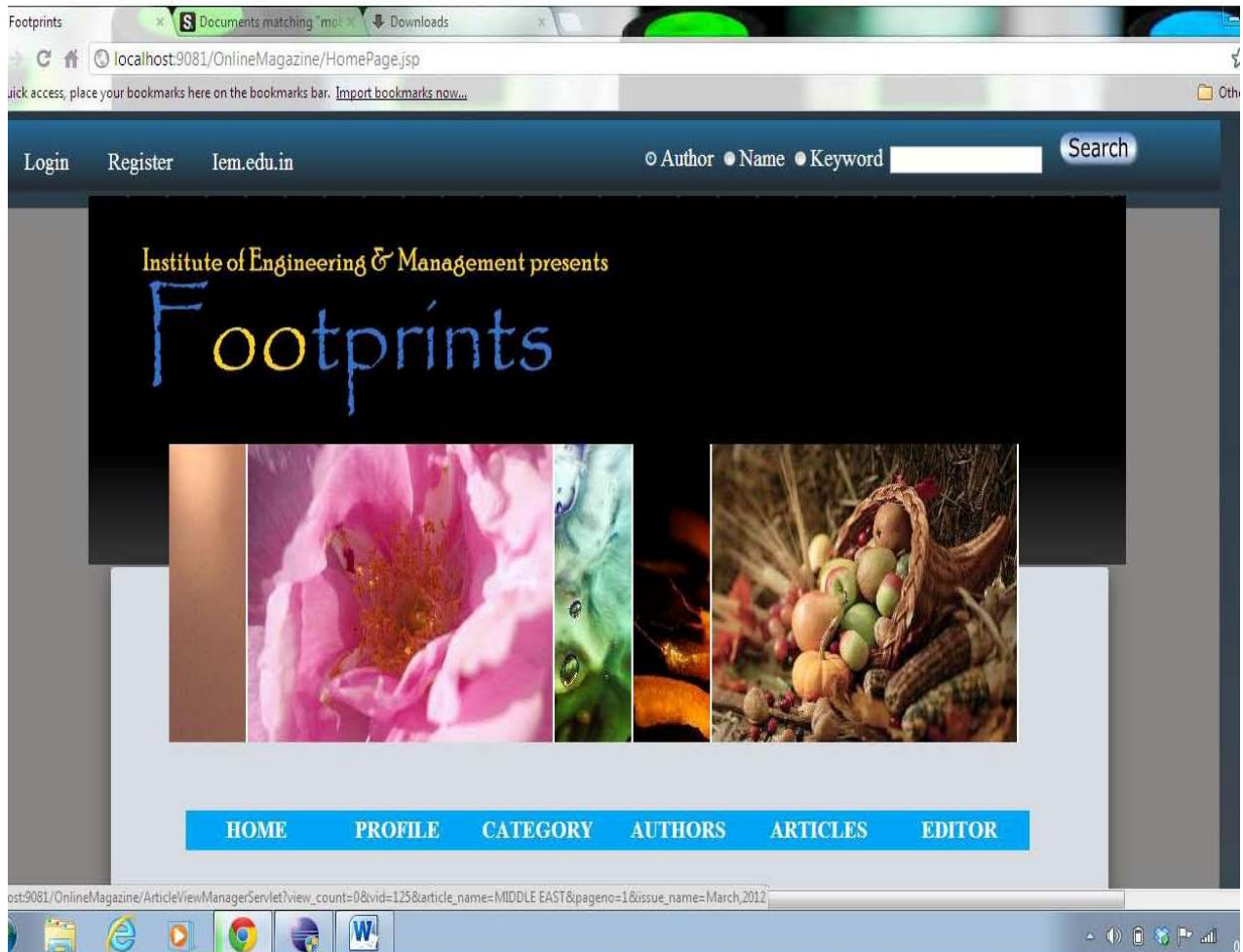


Pagination of search results(notice Previous link)

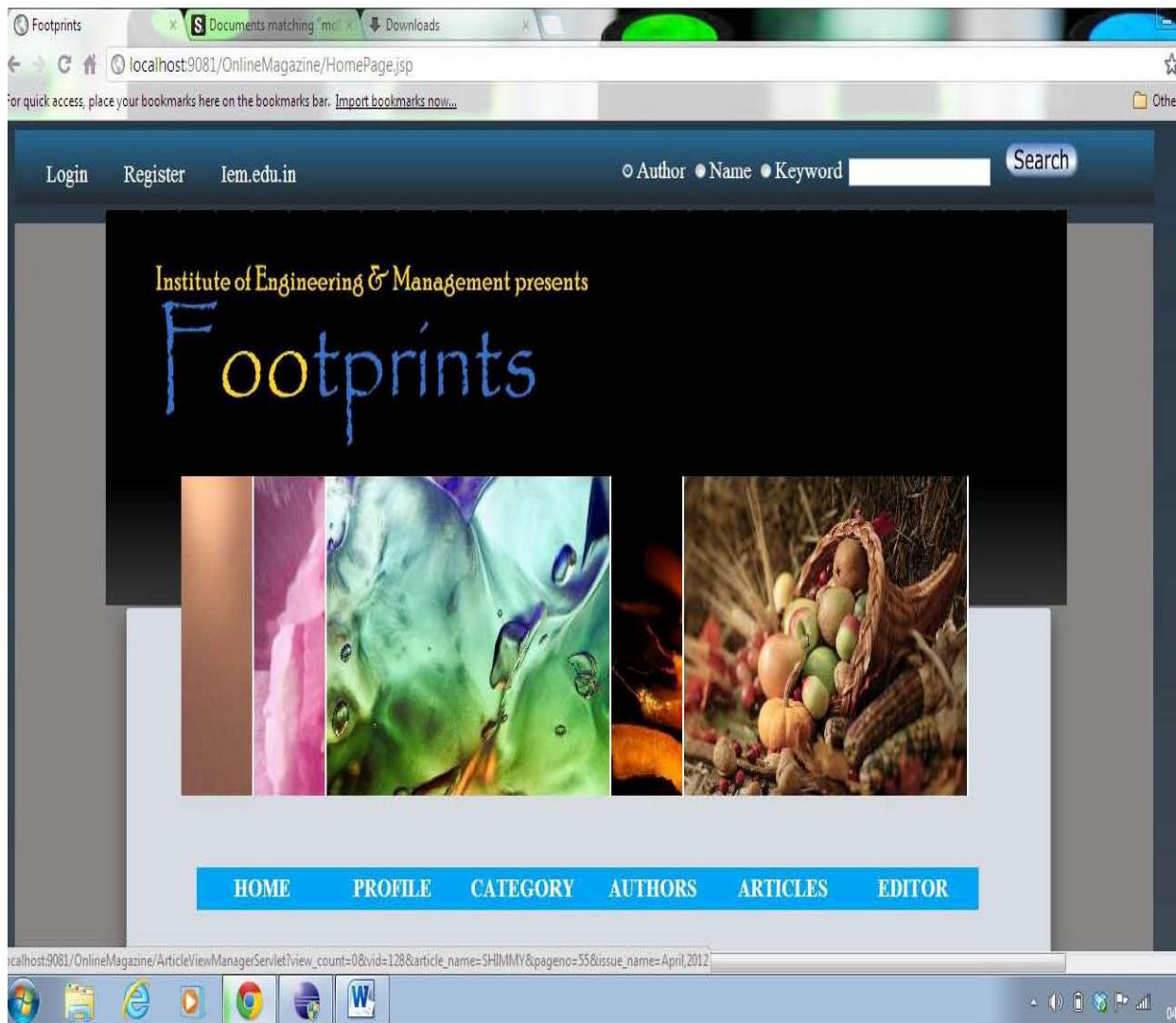


Pagination of search results(notice Next link)

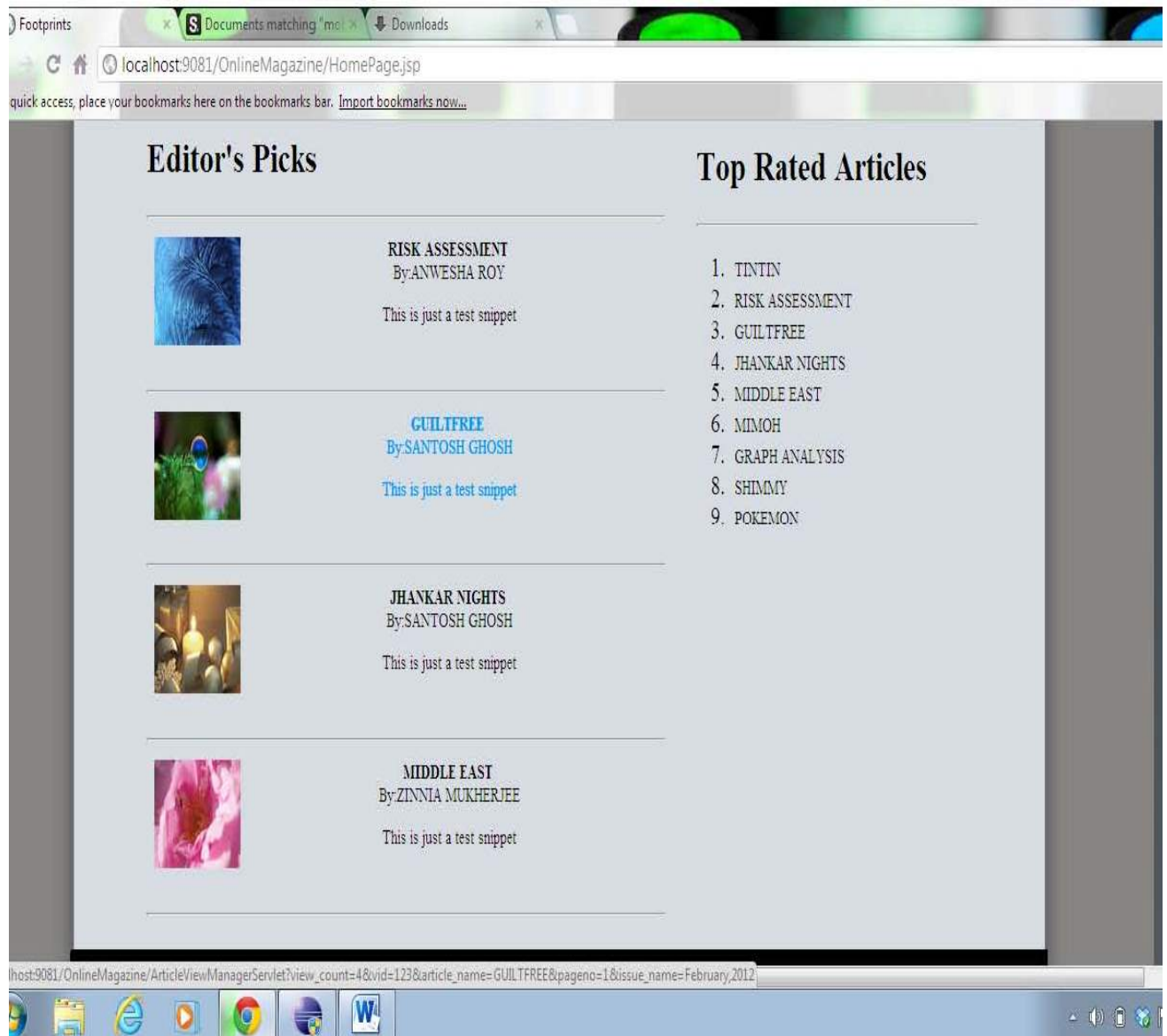
2.16 Homepage



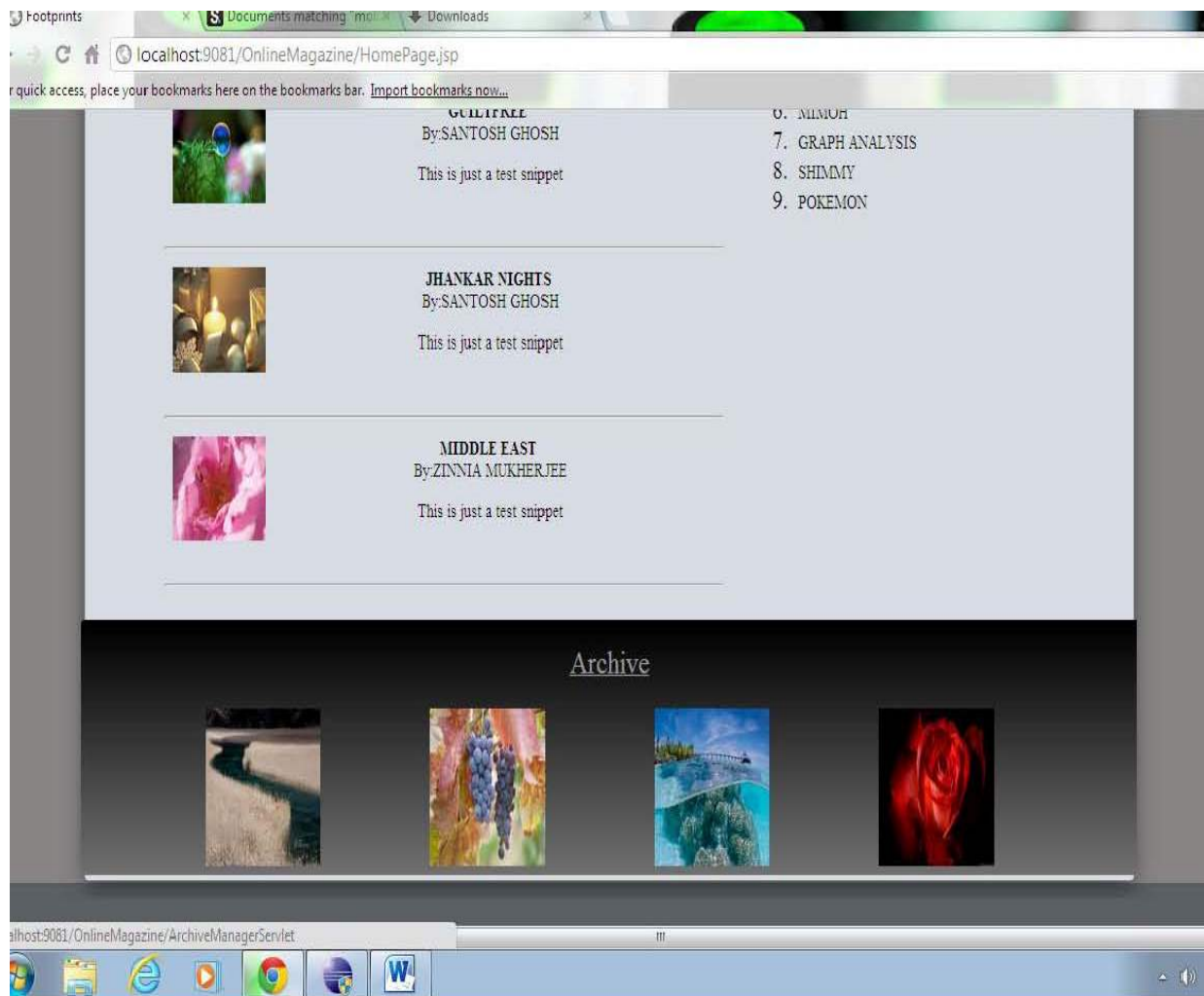
Homepage demonstrating the image slider



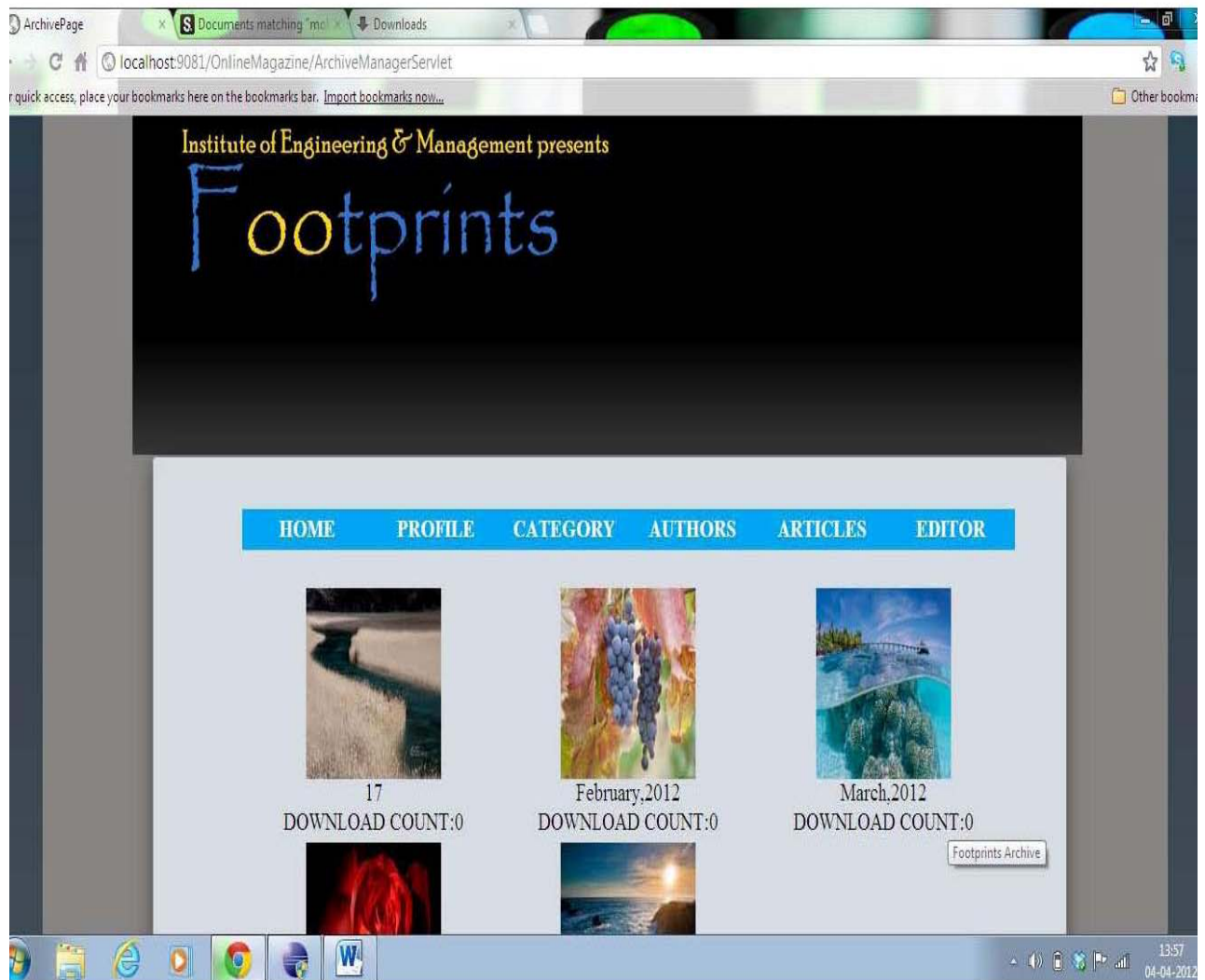
Homepage demonstrating the image slider



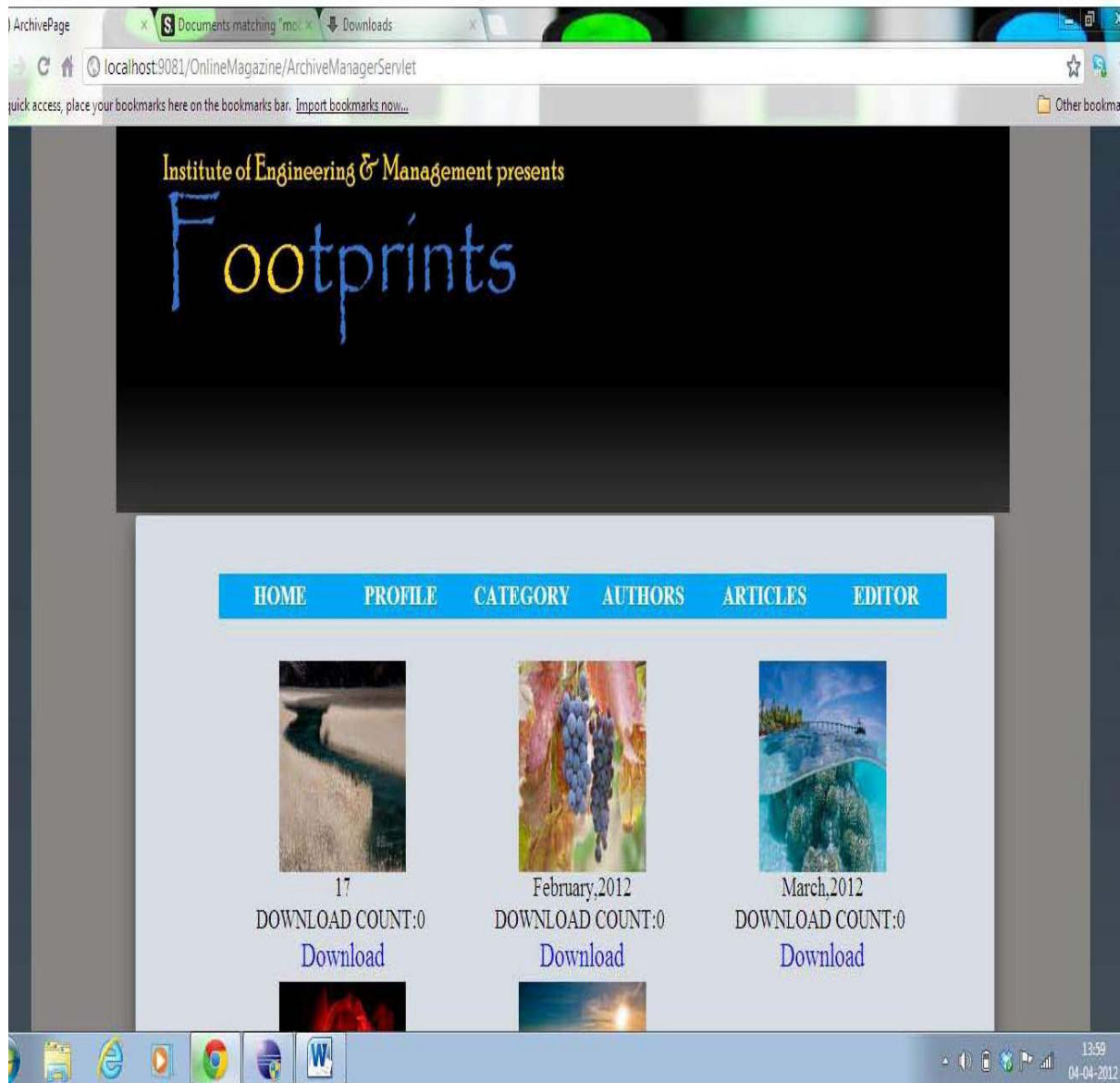
Homepage having Editor's pick and Top Rated articles



Homepage having Archived articles



Archives(Notice there are no DOWNLOAD links as user is not logged in)



Archives(Notice there are DOWNLOAD links as user is logged in)

3.0 USING THE SYSTEM

3.0 USING THE SYSTEM

3.1 Pre-Requisites

The user needs to have a valid user name and the corresponding password to have access to the system when online. It is his email which is treated as the username. Without these two identifiers the user cannot access the system and enjoy the various features. The user needs to have an internet connection to access the system.

3.2 Communication Interface

- Client (customer) on Internet will be using HTTP/HTTPS protocol.
- Client (system user) on Internet will be using HTTP/HTTPS protocol.

3.3 DRAWBACKS

- The login process is not SSL secure.
- The system does not support Alumni registration.

4.0 QUERYING

4.1 Query Procedures

The user provides the keywords based on which the query will be processed.

The servlet which accepts the data provided in this field processes the keyword and checks the database for any entry which matches this field and gives the list of matched elements.

These lists contain links to the respective article issue editions.

4.2 Query Capabilities

- Users can search for certain articles based on their needs. The search can be on the basis of keywords, authors and categories. The users query the system and expect it to respond it with a favourable output.
- Registered members can query about the states of their articles, whether it has been validated or not, how many times it has been viewed, the current average ratings of their articles. The user profile page contain all these data
- Moderators can query about the number of pending articles that are there in the queue that need to be checked upon.
- Administrators on the other hand can query the progress reports of the moderators by asking the system to generate reports which reflect the number of validations and invalidations made by the moderator, this data stored in the database.

5.0 REPORTING

50.REPORTING

Administrators can prepare reports which are prepared on the basis of performance of moderators or the acceptance or rejection of articles in a particular category and the average ratings of articles in a particular category. These reports are generally graphs generated from the data stored in the database.

The JFree chart API is used for report preparation.