



# **A-07 Publication Management System**

## **Final Software Report**

**Group - 06**

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## Contents

<b>1</b>	<b>Use Cases</b>	<b>3</b>
<b>2</b>	<b>Modules with LOC</b>	<b>4</b>
<b>3</b>	<b>Contribution of Individual Members</b>	<b>5</b>
3.1	Sravanth Kodavanti - CS20BTECH11027 . . . . .	5
3.2	Megh Shah - CS20BTECH11032 . . . . .	5
3.3	Prabhath Chellingi - CS20BTECH11038 . . . . .	5
3.4	Srivatsan T - CS20BTECH11062 . . . . .	5
<b>4</b>	<b>Software Interface</b>	<b>6</b>
4.1	General User-Interface . . . . .	6
4.2	Author Pages . . . . .	7
4.3	Reviewer Pages . . . . .	8
<b>5</b>	<b>Test Cases</b>	<b>10</b>



## 1 Use Cases

We listed 18 Use Cases in our SRS Document on February 12, 2024, and for our final Product Implementation, we have implemented 15 of them listed in the following Table 1.

Notably, the following 3 Use Cases were not implemented: Make Manuscripts Open, Manage Open Requests and Request to Open papers.

Sr No.	Use Case Title
1	Choosing Role
2	Login
3	Logout
4	Change Password
5	View Profile
6	Update Profile
7	Submit a Manuscript
8	View Manuscripts
9	Read Reviews
10	Open Submissions
11	Assign Reviewers
12	Apply for reviewer positions
13	Review a manuscript
14	Accepting / Rejecting Reviewer Registrations
15	Delete Manuscript

Table 1: List of Implemented Use Cases



## 2 Modules with LOC

We have a total of 20 modules in our final Product Implementation and we have ordered the same in decreasing order of their Lines of Code (LoC) in the following Table 2.

Module	LOC
Manuscript Validator	500
Reviewer Selection	500
Manuscript Assigner	500
Accepted Manuscript Retriever	200
Rejected Manuscript Retriever	200
Manuscript Access Modifier	200
Default Metrics	200
Custom Metrics	200
Account Access	100
Review Submission	100
Request Statistics	100
Manuscript Reviews	100
Accessible Manuscripts	100
Notifications	100
Paper Allotment	100
Statistics	100
Conference Details	100
Create Conference	100
Read Request	50
Manuscript Submission	50

Table 2: Modules with LOC



## 3 Contribution of Individual Members

### 3.1 Sravanth Kodavanti - CS20BTECH11027

- Handled **Editing** use cases which includes use cases like **View Profile**, **Update Profile** and **Change Password**.
- Handled the **Author** page inclusive of use cases such as the following: **Submit a manuscript**, **View Previous Manuscripts** and **Read Reviews**.

### 3.2 Megh Shah - CS20BTECH11032

- Handled the **Open Access** Use Cases which contains the list of Use Cases such as: **Accessing the accepted papers** and **Request for opening papers**.
- Compiled the **Final Software Report**.

### 3.3 Prabhath Chellingi - CS20BTECH11038

- Handled **Admin** page, which includes use cases like **Create Conferences**, **Accepting Review Registrations**, **Accept /Reject Reviewers**, **Assign Reviewers** and **Make Accepted Manuscript Open for all**.

### 3.4 Srivatsan T - CS20BTECH11062

- Handled **Authorization** Use cases which includes **Login**, **Logout** and **Choosing Role**.
- Handled **Reviewer** page, which includes use cases like **Applying for a conference**, **View Previous Review History** and **Review a new paper**.



## 4 Software Interface

### 4.1 General User-Interface

For the General User-Interface, we have attached the following photographs:

- Home Page
- Profile Page

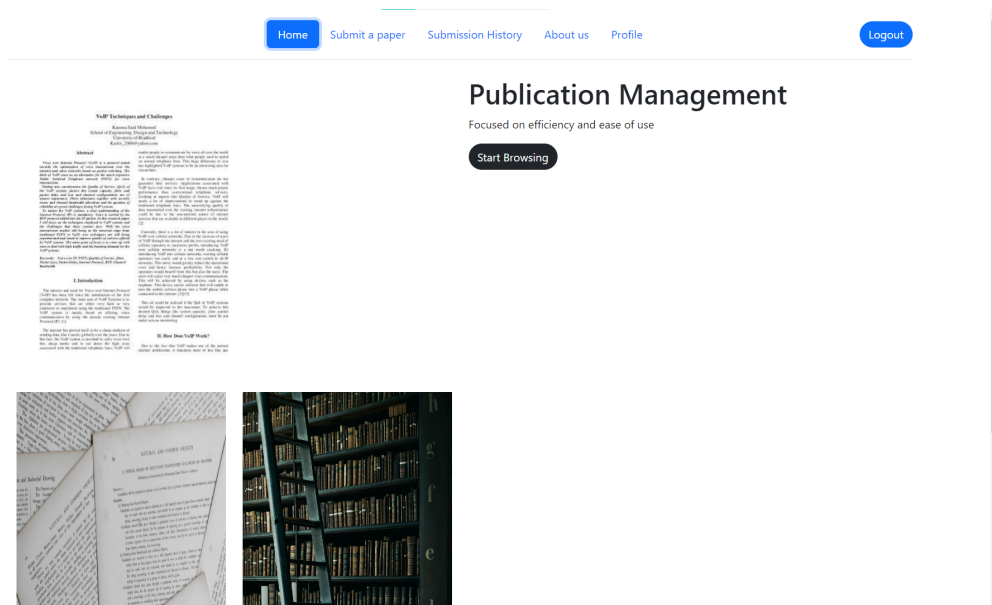


Figure 1: Home Page

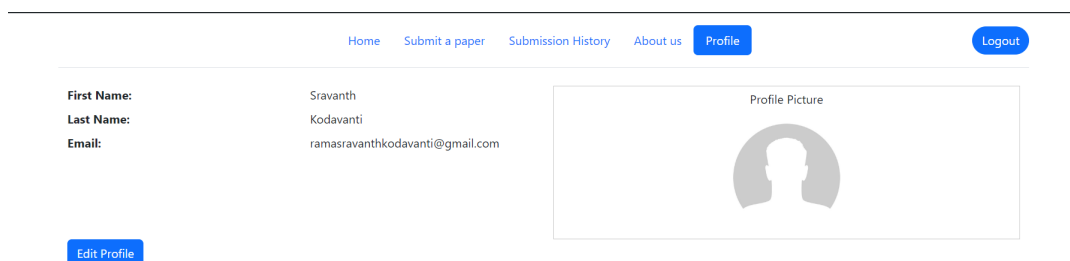


Figure 2: Profile Page



## 4.2 Author Pages

For the Author Pages, we have attached the following User-Interface photographs:

- Author Home Page
- Author page for submitting a Paper
- Author Page for viewing previous Manuscripts

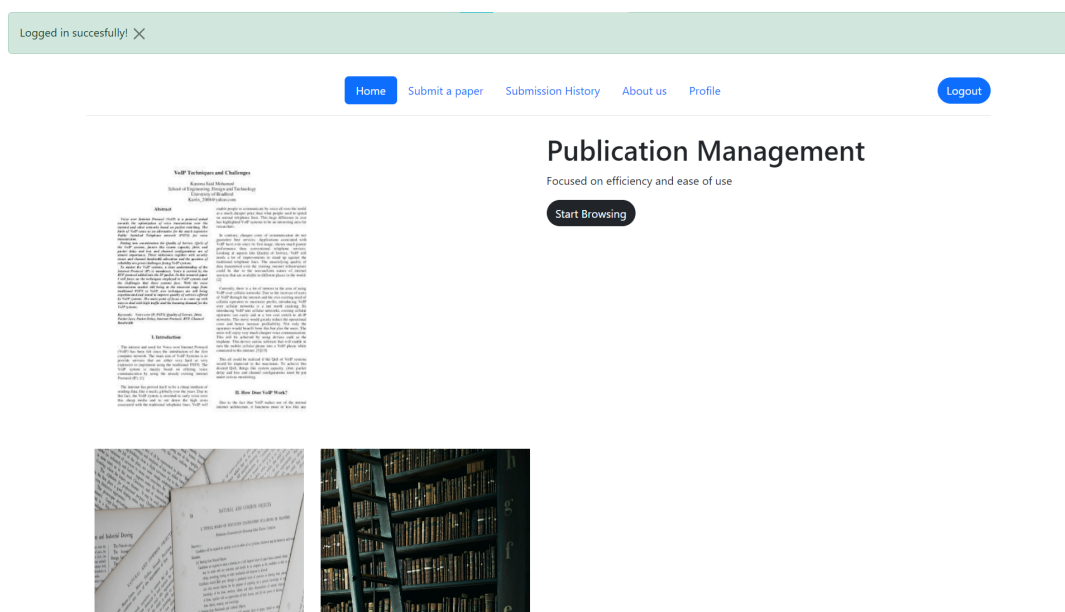


Figure 3: Author Home Page

Figure 4: Author page for submitting a Paper



<a href="#">Home</a> <a href="#">Submit a paper</a> <a href="#">Submission History</a> <a href="#">About us</a> <a href="#">Profile</a> <a href="#">Logout</a>					
Submission History					
Welcome, Sravanth !					
Title	Conference	Date Submitted	Status	Reviewer Name	Feedback
<a href="#">Towards Attack-tolerant Federated Learning via Critical Parameter Analysis</a>	ICCV	15:04 28-04-2024	REJECTED	Srivatsan T	The Idea and experiments you done appreciated. But it still losses some novelty
<a href="#">Stochastic Segmentation with Conditional Categorical Diffusion Models</a>	CVPR - Computer vision pretrained research	16:44 28-04-2024	UN ASSIGNED	None	None

Figure 5: Author Page for viewing previous Manuscripts

### 4.3 Reviewer Pages

For the Reviewer Pages, we have attached the following User-Interface photographs:

- Reviewer Page for Applying for a conference
- Reviewer page for accessing his/her previous Review History
- Reviewer Page for reviewing a Manuscript

<a href="#">Home</a> <a href="#">Apply for Conference</a> <a href="#">Review History</a> <a href="#">Review a Paper</a> <a href="#">Profile</a> <a href="#">Logout</a>
Available Conferences: <div>CVPR - Computer vision pretrained research</div> Skills: <div></div> Upload Resume: <div> <div>Choose File</div> <div>No file chosen</div> </div> <div>Apply for Conference</div>

Figure 6: Reviewer Page for Applying for a conference





Home Apply for Conference Review History **Review a Paper** About us Profile Logout

### Review a Paper

Welcome, Srivatsan!

Conference	Status
CVPR - Computer vision pretrained research	Approved

Title	Author	Actions	Comments	Submit
<a href="#">Stochastic Segmentation with Conditional Categorical Diffusion Models</a>	Sravanth Kodavanti	<input type="radio"/> Accept <input checked="" type="radio"/> Reject	Paper is not following the <a href="#">rules</a>	<b>Submit</b>

Figure 7: Reviewer page for accessing his/her previous Review History

Home Apply for Conference **Review History** Review a Paper About us Profile Logout

### Review History

Welcome, Srivatsan!

Conference	Status
CVPR - Computer vision pretrained research	Approved

Title	Author	Status	Comments
<a href="#">Stochastic Segmentation with Conditional Categorical Diffusion Models</a>	Author Authority	Approved	Good job. Really novel Ideal

Figure 8: Reviewer Page for reviewing a Manuscript



## 5 Test Cases

Test Case ID	Purpose	Steps	Expected Results
UC-1	Valid User Registration	1. Enter a valid username, email, and password. 2. Click "Register".	- Account is created successfully. - User receives a confirmation email
UC-2	Invalid Username Registration	1. Enter a username with special characters. 2. Enter a valid email and password. 3. Click "Register".	- The System displays an error message indicating an invalid username format. - Account is not created.
UC-3	User Login	1. Enter a registered username and password. 2. Click "Login".	- User is successfully logged in and redirected to the appropriate dashboard.
UC-4	Invalid Login Credentials (username)	1. Enter an unregistered username. 2. Enter a valid password. 3. Click "Login".	- The System displays an error message indicating an invalid username. - User is not logged in.
UC-5	Invalid Login Credentials (password)	1. Enter a registered username. 2. Enter an incorrect password. 3. Click "Login".	- The System displays an error message indicating an invalid password. - User is not logged in.
UC-6	Update User Profile	1. Log in as a registered user. 2. Access "Profile" settings. 3. Update user information (e.g. name, contact details) 4. Click "Save".	- User profile is updated successfully. - Confirmation message is displayed.
UC-7	Role-based Access Control (RBAC)	1. Log in as a user with a specific role (e.g., author). 2. Try to access functionalities restricted to other roles (e.g., reviewer assignment).	- System restricts access to unauthorized functionalities. - User receives an error message or is redirected to a permission denied page.
UC-8	Account Deletion	1. Login as a registered user. 2. Access "Account Settings". 3. Click "Delete Account". 4. Confirm deletion.	- User account is successfully deleted. - The user is redirected to the login page.

Table 3: User Management Modules