ScInter Website
Design Document

Version 1.0

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Contents

1 Executive Summary

ScInter is a Science & Research based platform designed to involve the science community to share the knowledge with the enthusiasts who are keen to explore science and stay upto date with the research. The website aims to provide a space and a community for all the people interested in science and indulge its users through a user-friendly interface and a subscription model that offers premium content and features.

2 Project Overview

The project involves the development of a dynamic and interactive website that caters to the needs of "Contributors" and "Enthusiasts". The website will offer a range of features, including community from interests, careers, ability to post content in various medium (as outlined in this document), ask queries in the forums, advertise their products and encourage students with various activities as documented further below.

3 Goals and Objectives

The primary goal for this website is to provide and encourage our users to contribute towards the science and research and encourage all the science enthusiasts to be a part of a community.

ScInter website has the following objectives:

- Increase user engagement within the first launch phase.

- Achieve high number of active subscribers and users within the specific timeframe as determined by the ScInter.

4 Features and Functionality

4.1 Landing Page

1. On the landing page, there must be images that convey ScInters vision and two or three posts that were uploaded on the ScInter.

2. Two icons on the top right corner - About us, login and Activity

3. The About Us icon must take the user to the bottom of the page. This space should describe the vision of the company and explain why sharing science is important. Also, there must be little information about founders, partners, and advisors.

4. The login icon must pop up with two more icons: Existing user and New user.

(a) Login Option for Existing user - User name and password, or ORCID

(b) Signup Option for the New user icon must pop up two icons: Contributor or Enthusiasts (Include logos that specify it)

 4.1. **Contributor** - A few lines on why you need to be a contributor (text box). Under contributor, Individual and Institution (Include logos that specify it).

A. Individual

• Name

• Gender (M, F, prefer not to say – drop-down option)

• Age (number,Prefer not to say)

• Country (All countries – drop-down option)

• Area of research

• Institution (Choose from the list or manual entry) – institution list to be integrated

• Verification: Institution email ID, ORCID (3rd Party integrated), and Manual (Have an option to upload a PDF) **Under manual specify upload degree certification or

publication

• Validate option – to validate through 3rd party API or database.

• Payment page with monthly, 3 months, 6 months and yearly subscription fee – Pop Up page.

• Terms and Condition (with check box) – Link to popup/window

• Sign up

B. Institution

• Name

• Country

• Business registration number

• Email – Use only organization/institution/company id and not casual domains. Email verifiaction

• Password

• Confirm Password

• Category: University, Industry or organisation (Non-profit)

• Copywrite document (with check box) – Link to popup/window

• Code of conduct (with check box) – Link to popup/window

• Payment page with monthly, 3 months, 6 months and yearly subscription fee – Pop Up page.

• Sign up

4.2. **Enthusiasts** - A few lines on what it is like to be an enthusiast.

The sign-up option must have all parameters as contributors, with the exception of affiliation. Verification must be done through an email address. It must have the same code of conduct and different terms and conditions. After filling in the details, one should be directed to the payment page with a different price than the one for the contributor.

4.2 Activity

1. After signing up, it must take you directly to the Activity page (for the first-time user, there must be a virtual tour that explains all the features on the page).

2. There must be icons of people who follow him with his status (like Instagram). This must appear above the search bar.

3. There must be a search bar at the top of the page for interest. Below this, there must be an option to share. It must state, would you like to contribute today? (**This is only for the contributor). After clicking the option of publication or report, posters, video files, audio files, images, or write-ups must pop up.

(a) Publication: There must be an option to upload the document or link to the publication. After posting the link, the paper must be extracted through the journal and should appear. Extract the keywords and classify them. Before posting a publication, there must be an option to caption it with icons and words (Preview). Also, there must be an option to convert this into an audio file based on the section (ex. abstract, introduction, methodology, etc.).

*** There will be an option to convert the paper into a summary in the next version and also attach a short video where he explains the paper along with the publication.

(b) Video files: There must be an option of uploading from the phone or pasting the link that takes externally to YouTube or some conference talk. AI must extract information from the video and verify it with the user to categorize it based on the research area, type of talk, etc.

(c) Audio file: It must have all features like video files, with the option of conversion to text before posting.

(d) Image: One can upload with the phone or externally through a link. Information to be extrapolated and verify with the user for its category. There must be an option to put the caption, or AI might suggest the title.

(e) Write up: This will allow for manual text. There must be restrictions on word count. This must be categorized as short or long based on word count.

4. After uploading any piece of content, ScInter must ask about ownership. Does that belong to the person it is uploading or others? Also, would you give us ownership of the content? If the person nominates ScInter, the terms and conditions must pop up that state the benefits and rights.

5. In the search option at the top, type keywords, and there must be an option of filtering to choose the type of content (audio, video, write-up, paper, etc.). Also, there must be an option to filter the institution and person. The result must appear on the basis of this search.

6. Under each piece of content, there must be an option to comment or question, like, recommend, and share.

7. Message Option / Invitation to Chat

8. Profile picture on top right (circular)

9. Menu Options:

(a) Followers Icon

(b) University/Academic Institutes – Profile of Institutions present in ScInter

(c) Industry – Profile of Industry present in ScInter

(d) Organizations (Non-profit) – Profile of Industry present in ScInter

(e) Job and internship

(f) Student Projects and Internships

(g) Project reports (Inventory)

(h) Labs and facilities

(i) Podcast

(j) Forum

4.3 Followers

1. There must be a search option to type the name, the area of interest, or the institute or organization.

2. All people to whom one is following or connected must appear in this section. Under the profile picture, the name, position, and institution must appear.

3. This feature is the same for enthusiasts and contributors.

4. Profiles will be marked with colors or stars based on the H-index. This kind of ranking of the researchers is based on their achievements. Profiles with an H-index greater than 50 must be considered as top/ VIP profiles. The same applies to institutes and industries. Like IV League or the best 100 institutes in the world. The colors or band of enthusiasts are based on the number of papers read, posts liked, questions posted, etc.

5. On the left side, have a section for the suggestion of people based on fields, demographics, institutes, etc. It is the same for enthusiasts. For them, one can have the option of connecting with people with similar interests and sharing their saved articles.

6. When someone's profile picture is clicked, it must take them to their profile.

4.4   University/ Academic institute

This section will have a list of all universities. These institutes are ranked based on whether it is IV league or the best 100 institutes in the world.

4.5   Industry/startups

This section will have a list of all industries and start-ups. These are classified based on revenue or the number of employees.

4.6   Organisation

There is a list of all organizations that are working toward improving STEM. Example: Women in STEM, Science of Technology of Australia, etc.

4.6.1 Profiles of university/academic institute

1. Top left (profile picture), top middle (a few lines about you), top right (stats of post, views, comments, etc.)

2. Posts that were published or recommended must appear in the center. Publications or jobs must appear on the right.

3. Under the profile picture

• Name of the institute

• Current director

• Country

• Video introduction (One can choose to keep this 30-second video introduction in place of the profile picture)

• Link to the website

• Options to choose all these

• Under this report generation option.

4. The profile of industry and organization will have a similar profile to that of a university.

4.7 Profile of Individuals (researchers)

1. Top left (Profile picture), Top middle (Few lines about you), Top right (stats of post, views, comments, etc.)

2. Posts that were published must appear at the center and Publications at the right.

3. Under the profile picture.

• Name

• Area of interest

• Position

• University/Institute

• Current project

• Education qualification

• Video introduction (One can chose to keep this 30 sec video introduction in the place of profile picture)

• Link to the personal website

• Edit button for the above options

• Generate a resume by using the profile information

4. When generate resume is clicked, a resume must be generated with filled information and the statistics of their activities on ScInter.

5. Enthusiast's profiles are the same as those of researchers, but they may not have the publication section in the left column but might get a recent update from the people they are following.

6. Have the option of choosing the background image for the profile.

4.8 Jobs

1. Description about the organization, role, skill requirement, duration, package

2. Have space for a 1-minute video introduction to sum these up by the advertiser.

3. Job posting must have an option of payment for nonmembers.

4. One should have an option open to job option in their profiles. In such cases, the jobs posted here must be suggested to that person.

5. Employers who post the ad will be notified with the list of candidates who might be a good fit for the role.

4.9   Student Projects and Internship

1. Separate page for posting projects and internships for university students.

2. Description about project, duration, research group, institute, supervisor, and funding options.

3. Again, it might have the option of a 30-second reel that describes the project.

4. In this section, people related to these posts must be linked. For example, the supervisor and the institution's profiles must appear in this section. A click of this must be taken to their profiles.

4.10 Inventory of project reports

When people upload any post, a question is asked if it is their work on the project and can be classified as a project report.

4.11 Labs and facilities

Universities and industries can list their labs, what is present in the facility, the kind of work that can be carried out here, and if they are open to collaboration.

4.12 Podcast

Specific users can upload Podcasts to be determined.

4.13 Forum

There must be space for a forum that lets enthusiasts post questions and the option of tagging researchers of a particular group or individual.