SYSTEM REQUIREMENTS SPECIFICATION

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Introduction

Domain Description

SEF

The Sustainable Education Foundation (SEF) is a volunteer-driven not-for-profit organization founded by a former Google Student Ambassador and alumnus of the University of Moratuwa, Akshika Wijesundara. SEF was founded with the short-term goal of making the Sri Lankan education system the most effective and most dynamic education system in the world with the help of a specialist global network of local and ex-pat Sri Lakans. SEF's long-term goal is to disrupt and democratize the global education system where it is available for everyone, in doing so, the foundation contributes to the United Nations' sustainable development goal of "Quality Education". You can visit our Facebook page to see our hub of activity and our website sefglobal.org for more details.

International Research Council-IRC

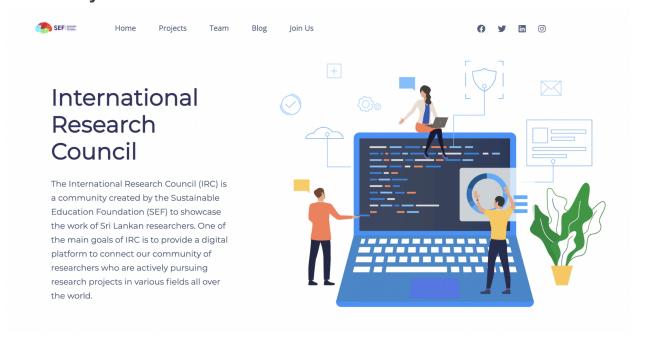
One of the major contributors to the lack of innovation in Sri Lanka is the lack of research. Therefore, we decided to promote research among Sri Lankan University students. As we progressed with OnLive and ScholarX, we realized there is a good pool of Sri Lankan researchers all around the world doing groundbreaking research. We wanted to tell their story to the local students so they would be inspired to pick research careers. In order to do this task, we created the International Research Council (IRC).

IRC is a community created by the Sustainable Education Foundation to showcase the work of Sri Lankan researchers who are spread all around the world. One of the main goals of IRC is to provide a digital platform to connect our community of Sri Lankan researchers who are actively pursuing research projects in various fields all over the world and make their research easily accessible and comprehensible to the masses.

We have gathered around 100+ researchers so far and published more than 25+ stories of Sri Lankan researchers through our social media channels.

Current System & its Limitations

Current System



IRC Page (link)

1. Finding researchers

- 1. Researchers will discover the webpage of IRC on the SEF website.
- 2. They will fill the form by clicking signup or sending an email to apply.
- 3. Admins will check those submissions manually and reach out to the researchers.

2. Approaching researchers

After we found out, researchers. We approach them through their LinkedIn account and email by sending Invitation to join IRC with a <u>questionnaire form</u>.

3. Publishing Story

After getting responses from researchers, We make the stories using those answers given in the questionnaire form. We manually choose good quality content stories to publish(Not all responses from researchers are going to be published). Also when publishing a story We don't publish all questions and answers from the researcher's response, we only use some set of questions in the stories. After the editing and proofreading stories will be published on the SEF Medium blog.

We usually publish five stories per month. After publishing those stories we share them on social media like Facebook and LinkedIn. We inform the researchers about the story by tagging in social media or sending messages.

Finally, we update the researcher's list on the IRC webpage.

Limitations

Main focus problems -

1. The current IRC page lacks information about researchers.

Additional focus problems -

1. Get only a small amount of researchers through the sign-up form and approaching emails from researchers.

90% of researchers are found by manually using websites like ResearchGate, Google scholar, Navigating through Linkedin groups and some other ways.

Project Goal

Objectives

Overall Description

User Needs

Assumptions & Constraint

Requirements of the System

Stakeholders Analysis

1. Admins

- 2. Researchers
- 3. Readers

Use Case diagram

Functional Requirements

Nonfunctional Requirements

System modeling

Class diagram

EER Diagram

Activity Diagram

User Interface

Flow Diagram (Wireframes)

1. Image 1 will be the replacement for the current researchers' section.

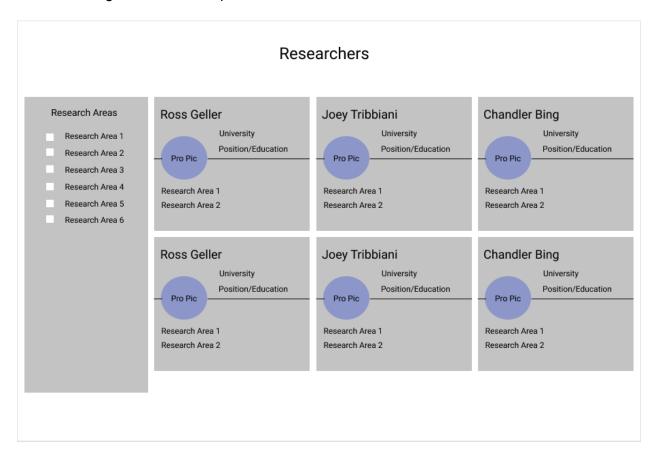


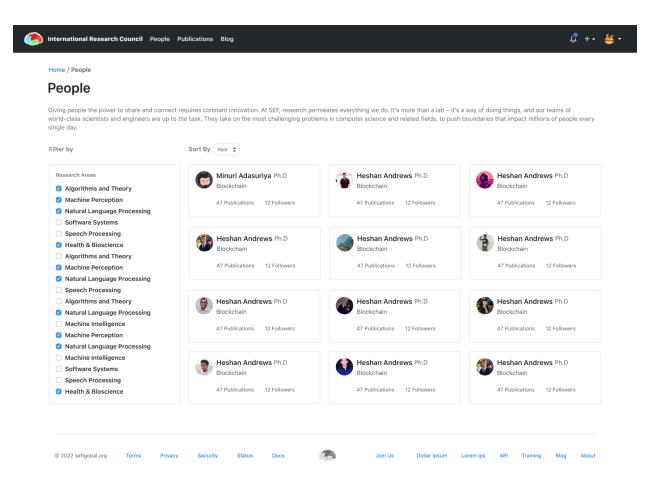
Image 1

Mockups

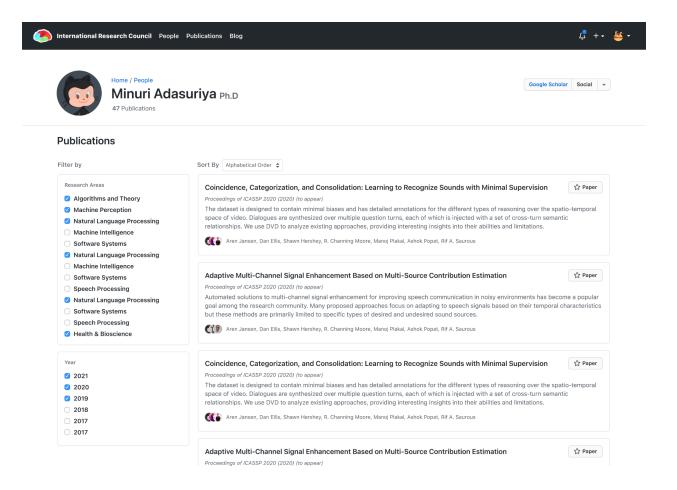
- Editable Figma project
- Prototype

Previews:

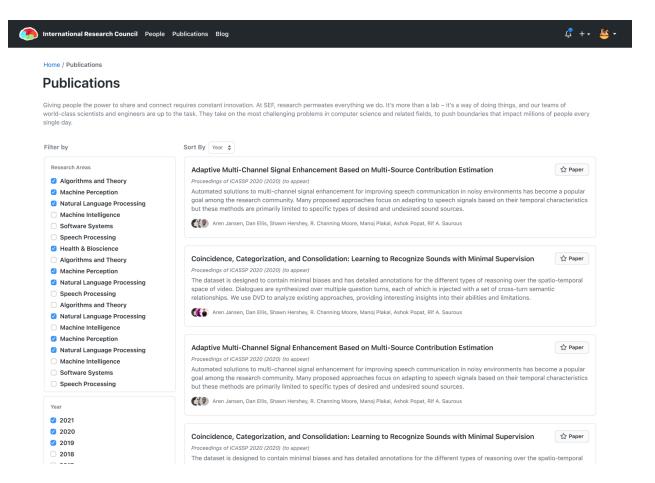
1. People



2. Profile



3. Publication



References