

Project Badal

Final Report

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Introduction

The objective of this project is to bridge the gap between NGOs and Corporates, by crowdsourcing development work time from the corporates to build technical solutions to curated set of social issues from NGOs.

Website URL: <https://pl-app.iiit.ac.in/rcts/badal/>

GitLab URL: https://pl-git.iiit.ac.in/users/sign_in/

Users Involved

Super-Admin (Platform Maintenance)

Core (IIIT Raj Reddy Center Team)

Ngo

Corporates

Developers

Users Spec Sheet - Process Wise

Input

- NGOs will approach IIIT Team and submit project proposals with relevant problem statements.
- Companies & Colleges will dedicate personnel who will be displayed in the system & matched to relevant projects.

Internal

- The team will break the project down into modules
- Modules will be broken down into Tasks
- All of these are then inputted into the system, with the aim of matching it w/ relevant developers to help build the system

Matching

- The team will look for relevant personnel from Companies & Colleges to assign user stories to develop

Progress Updation

- Teams can change the status of tasks based on completion.
- As the tasks get completed, the progress counter of the module changes (the number of ongoing & completed tasks).
- As the status of the module changes, the progress counter of the project changes (the number of ongoing modules / total number of modules)

Integration

- The team will take the finished tasks & work modules and integrate them together to arrive at a finished system.

Output

- Deployment & Maintenance to be taken care of even after the project has been completed, to ensure optimal usability and convenience.

Onboarding

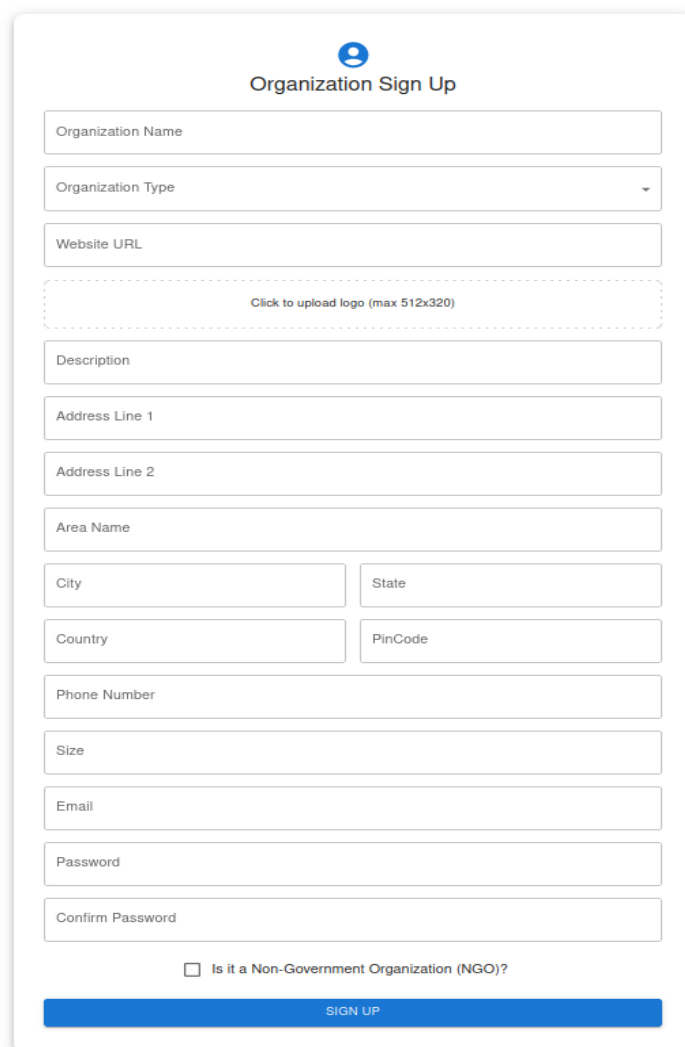
- NGOs/companies

The NGOs and Companies can both be onboarded only by core user.

Only the difference between companies and NGOs is a checkmark.

Once the Company or Ngo created in Badal it will be created as a Group in Gitlab.

Companies can access Badal and GitLab with the same credentials provided by the core team.



The image shows a 'Organization Sign Up' form. At the top, there is a blue circular icon with a white person silhouette, followed by the title 'Organization Sign Up'. The form contains several input fields: 'Organization Name', 'Organization Type' (a dropdown menu), 'Website URL', a dashed box for a logo with the text 'Click to upload logo (max 512x320)', 'Description', 'Address Line 1', 'Address Line 2', 'Area Name', 'City', 'State', 'Country', 'PinCode', 'Phone Number', 'Size', 'Email', 'Password', and 'Confirm Password'. At the bottom, there is a checkbox labeled 'Is it a Non-Government Organization (NGO)?' and a blue 'SIGN UP' button.

Organization Sign Up

Organization Name

Organization Type

Website URL

Click to upload logo (max 512x320)

Description

Address Line 1

Address Line 2

Area Name

City

State

Country

PinCode

Phone Number

Size

Email

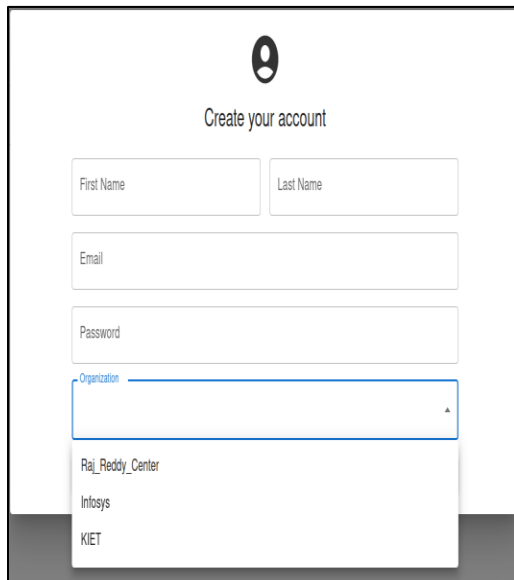
Password

Confirm Password

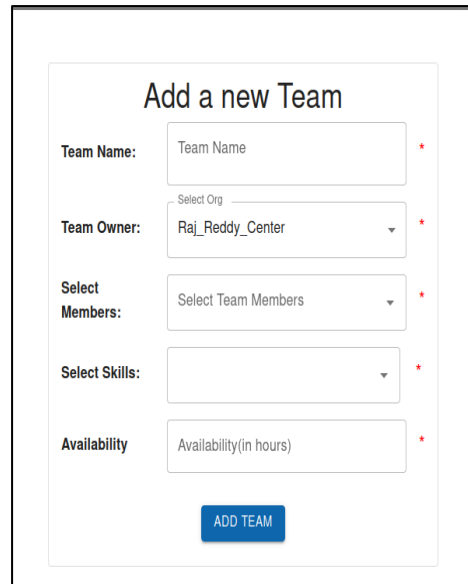
☐ Is it a Non-Government Organization (NGO)?

SIGN UP

- Developers /Teams



The 'Create your account' form features a user icon at the top. Below the title, there are input fields for 'First Name' and 'Last Name', followed by 'Email' and 'Password'. An 'Organization' dropdown menu is open, showing a list of options: 'Raj_Reddy_Center', 'Infosys', and 'KIET'.



The 'Add a new Team' form includes several fields: 'Team Name' (text input), 'Team Owner' (dropdown menu with 'Raj_Reddy_Center' selected), 'Select Members' (dropdown menu), 'Select Skills' (dropdown menu), and 'Availability' (text input with placeholder 'Availability(in hours)'). Each field has a red asterisk indicating it is required. A blue 'ADD TEAM' button is located at the bottom.

Developers can be created by Company Manager who have access to the platform. Developer will be created in Badal and GitLab with the same credentials provided while creating.

Once the Developer is created, they can be added to their respective teams. The team will be created as a subgroup inside the Gitlab Organization.

Project Initialization/Updation

Add a new Project

Project Name: *

Upload Image: No file selected.

Description: *

Project Field: *

Project Owner: *

Project Manager: *

Start Date: *

End Date: *

Select Skills: *

Dev time: *

Edit Project

Project Name: *

Project Name: *

Upload Image: No file selected.

Description: *

Description: *

Project Field: *

Project Owner: *

Project Manager: *

Start Date: *

End Date: *

Select Skills: *

Dev time: *

Dev time: *

Ngo can create Projects, or he can connect with core-team with the problem statement.

Core has the Access to Edit project after successful creation.

A project is a subgroup inside the organization.

Module Initialization/Updation

Add a new Module

Module Name:

*

Description:

*

Start Date:

*

End Date:

*

Select Skills:

*

Dev Time :

*

Module Complexity:

☒ 1
 ☐ 2
 ☐ 3
 ☐ 4
 ☐ 5

*

Additional Information :

☐ Requirements Document

☐ UI Mocks

☐ API Document

☐ DB Document

ADD MODULE

The module can be created and edited only by the core team

Creating a module will create a Repository inside Gitlab and a module inside Badal.

Tasks Initialization/Updation

Add a new Task

Task Name:

*

Description:

*

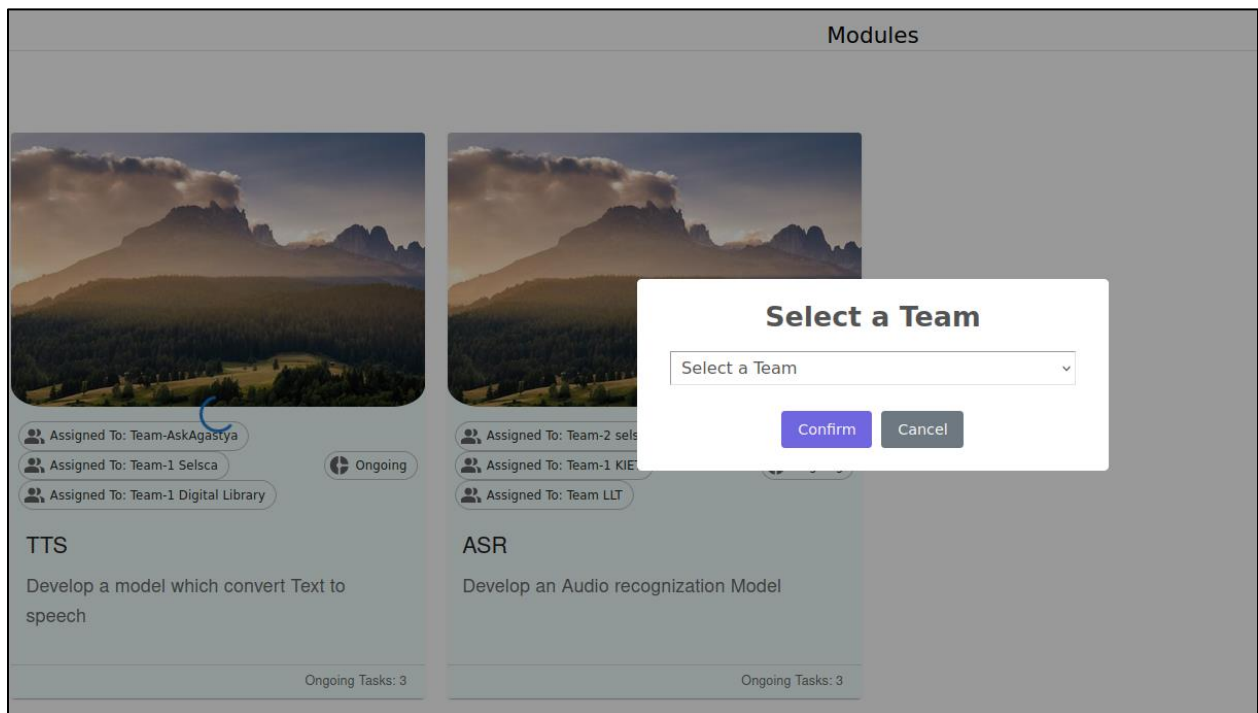
Dev Time Required:

*

ADD TASK

Tasks can be created only the core and creating a task inside Badal will create an issue in the respective Repo.

Module Assigning to a Team



This process can be done by Core or the company who picks the project to work on.

On clicking the image of the module, you will get an option to select a team if the team is not assigned to any other module, then you can Assign to the module.

On successfully assigning team to the module the team subgroup will get a forked repo inside group in Gitlab.

Assigning Developer to a Task

Tasks			
Task Name	Description	Status	Assigned To
Task-1	Dataset collection	Ongoing	Assigned To
Task-2	Model Training	Ongoing	Sanjana Dev Assigned To

The Task can be assigned to a developer who belongs to the team assigned to the module and in GitLab the same issue will be assigned to the same developer.


UI Pages

NGO's

RAJ REDDYcenter for
TECHNOLOGY
& SOCIETY

NGO Teams Companies Projects Dashboard

NGOs




Agastya

Agastya is a cause - not just an organization. Its mission is "to spark curiosity, nurture creativit..."

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PROJECTS GO TO GITLAB




i-Saksham

i-Saksham, an NGO working in the education space, is working towards the empowerment of women in dif...

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PROJECTS GO TO GITLAB




Demo_NGO_Raj_Red...

IIIT Hyderabad, has established the Raj Reddy Center for Technology and Society (RCTS) to celebrate ...

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Nirman

Nirmaan Organization is a registered NGO, We work in the areas of Education, Skill Development & Ent...

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PROJECTS GO TO GITLAB


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Companies

RAJ REDDYcenter for
TECHNOLOGY
& SOCIETY

NGO Teams Companies Projects Dashboard

Companies & Colleges




Raj_Reddy_Center

IIIT Hyderabad, has established the Raj Reddy Center for Technology and Society (RCTS) to celebrate ...

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GO TO TEAM GO TO GITLAB




Infosys

Infosys Limited is an Indian multinational information technology company that provides business con...

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KIET

KIET Group of Institutions firmly believes in nurturing holistic growth in students, extending beyon...

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GO TO TEAM GO TO GITLAB

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Teams

<div> <div>RAJ RIDDHI TECHNOLOGY SOCIETY</div> <div> NGO Teams Companies Projects Dashboard </div> </div>				
Teams				
<div> <div>Search Teams</div> <div>ADD TEAM</div> <div>ADD DEVELOPER</div> </div>				
Team Name	Participants	Skills	Gitlab	Edit Team
Team-AskAgastya	praveenkumarDev	Python NLP MERN Torch		
Team LLT	Saikumardev	MERN NLP		
Team-1 Selca	AbishkithDev	MERN Java		
Team-2 selca	Sanjana Dev	MERN Java		
Team Mainnutrition	SakshiDev	MERN Java JS		
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Projects

RAJ RIDDHI TECHNOLOGY SOCIETY

NGO

Teams

Companies


Projects

Dashboard

Projects

Search Projects

ADD PROJECT



Primary Healthcare platform

Healthcare platform

STATUS


READ MORE

SKILLS

PythonML

Picked By:

Raj_Riddhi_Center



English Language Learning Tool

A Tool for Language Learning with Progress reports

STATUS


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SKILLS

NLPPythonTorchJS

Picked By:

Raj_Riddhi_Center



Ask-Agastya

An intelligent Caller which responds to questions asked over a phone call

STATUS


READ MORE

SKILLS

TSXSSRMLTensorFlow

Picked By:

Raj_Riddhi_Center



AI for Automated Mainnutrition ...

This project aims to create a technology to accurately measure the height and weight of children who come to anganwadi to help the children from getti...

STATUS


READ MORE

SKILLS

MLReactJSTensorFlow

Picked By:

Raj_Riddhi_Center



The Library Wall

The Library wall project is to bring digital libraries, with a curated set of books, to rural government schools.

STATUS


READ MORE

SKILLS

NodeJSReactJSMongoDB

Picked By:

Intropix



SELSCA

System for Effective Learning and School Complex Administration SELSCA a centralized school complex administration and learning effectiveness system ...

STATUS

READ MORE

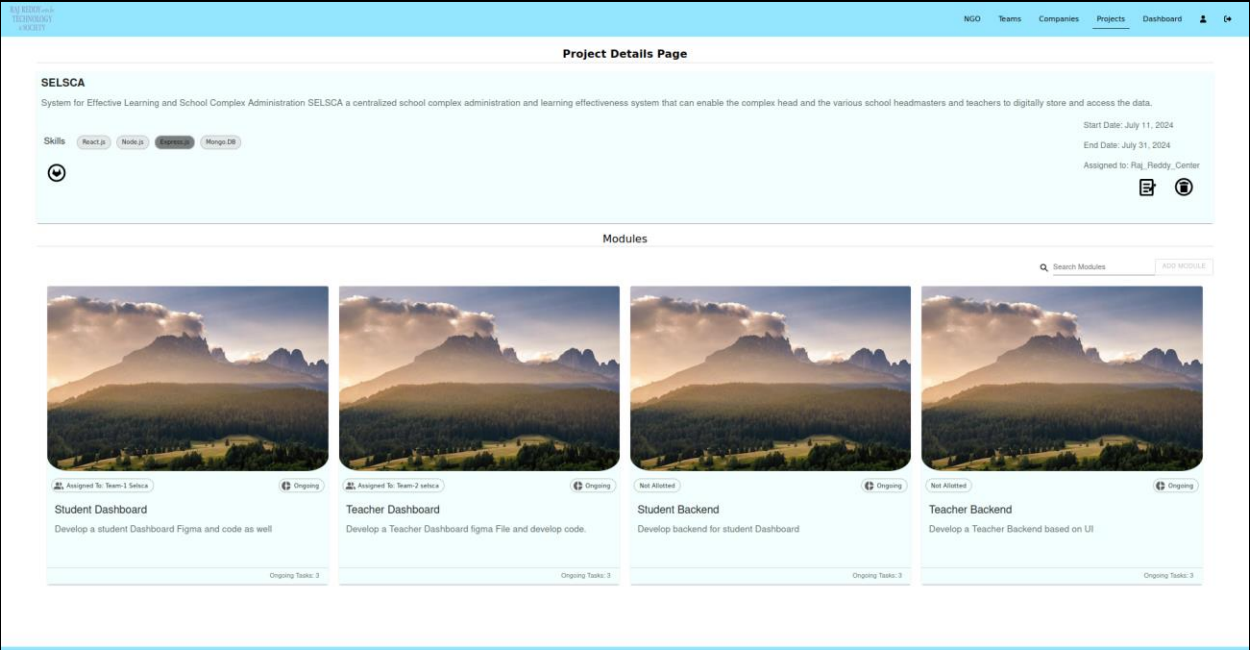
SKILLS

ReactJSNodeJSExpressJSMongoDB

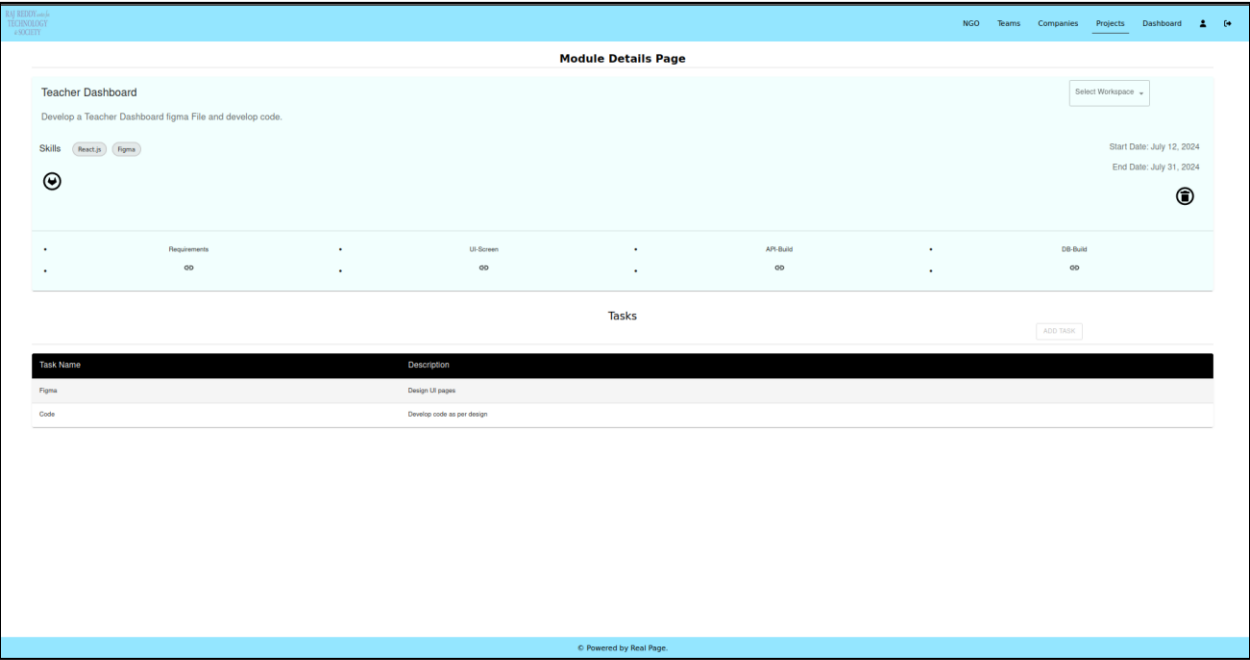
Picked By:

Raj_Riddhi_Center

Modules



Tasks



Dashboard

