



# **Green Index Portal**

## **User Manual**

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## Contents

<b>1. Introduction</b> .....	3
<b>2. Screens Description:</b> .....	4
<i>Screens 2.1- Client Screens</i> .....	4
<i>Screens 2.2- EMPRI Screens</i> .....	<b>Error! Bookmark not defined.</b>

## 1. Introduction

Environmental Management Policy & Research Institute (EMPRI), established as an autonomous institute under Department of Forest, Ecology and Environment, Government of Karnataka, undertakes applied and policy research and endeavours to provide capacity building on concurrent environmental issues relevant to the society. EMPRI, in association with Indian Institute of Science, Bangalore, has framed a questionnaire to assess the contribution of government schemes and programmes on environment and maintain the green eco-system. The index arrived as a result of this exercise is called the Green Index. EMPRI intends to implement a software (Green Index Portal) to allow various departments in filling the questionnaire with necessary justifications.

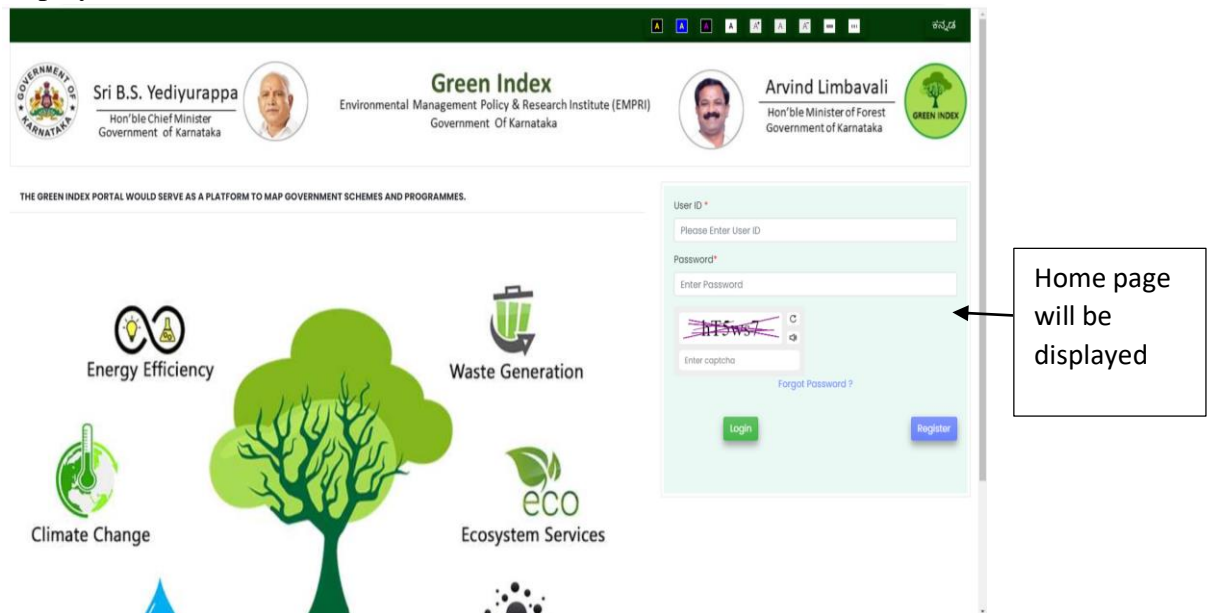
The Green Index Portal would serve as a platform to map government schemes and programmes to various environment aspects and how effective they are in protecting environment and promoting better living conditions.

## 2. Screens Description:

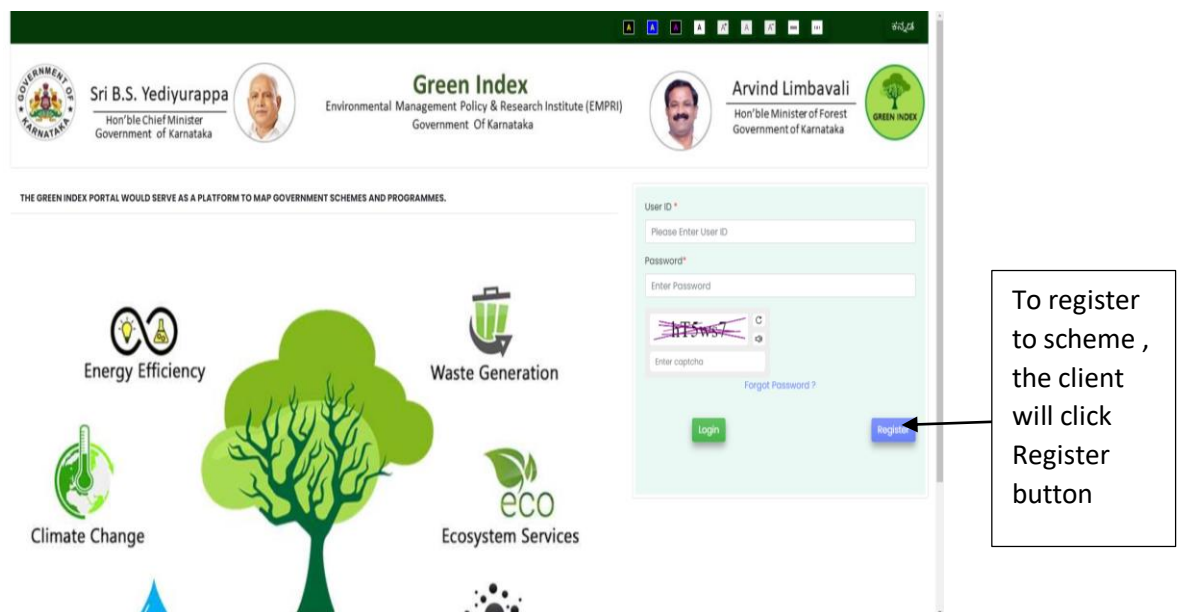
### Screens 2.1- Client Screens

#### 2.1.1 Registration screen:

1.The User enters the Green Index domain URL; Green Index Home Page will be displayed.



2.This screen enables the department user to register into the Green Index Portal. The user has to click on Register button to register into the Green Index Portal  
The Screen display is as below :



## 2.1.2.Registration Page for the departments:

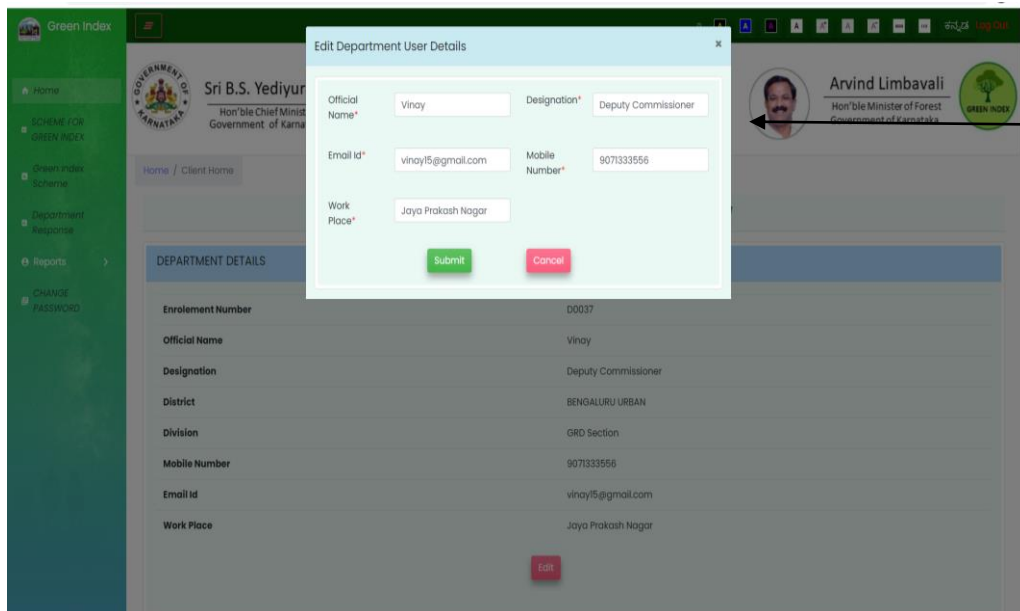
1.The user will enter the necessary details in the page for enrolment, submit the details. The screen display is as below :

Enter the necessary details and click the submit button

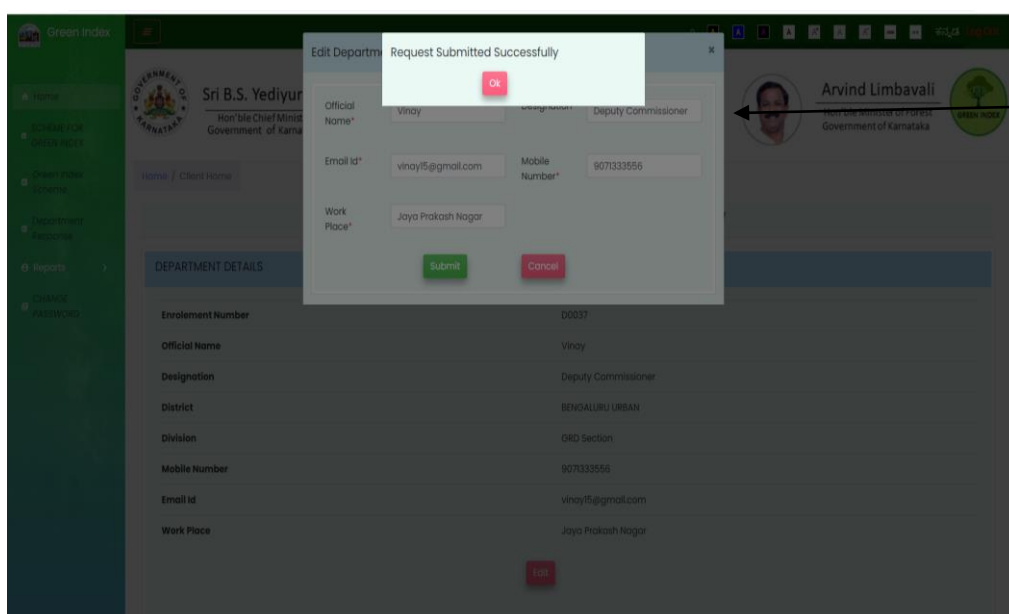
2.The user will click the submit button and notification having enrolment number, and details of the user will displayed. The screen display is as below

notification having enrolment number, and details of the user will displayed

3.The details of the department user can be edited by clicking the edit button. After editing a success message will be displayed stating that the user details have been edited . The screen display is as below .

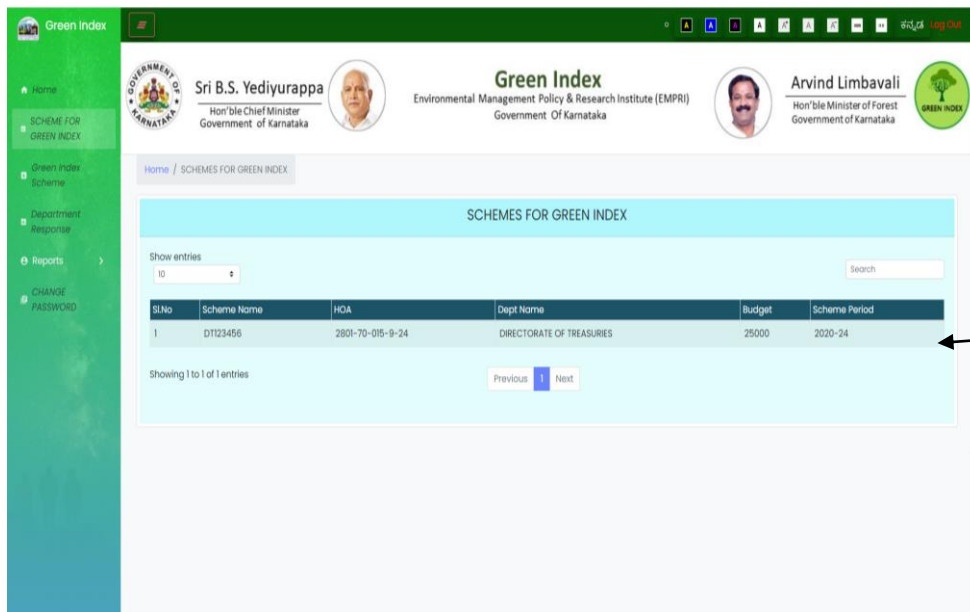


The details of the user can be edited



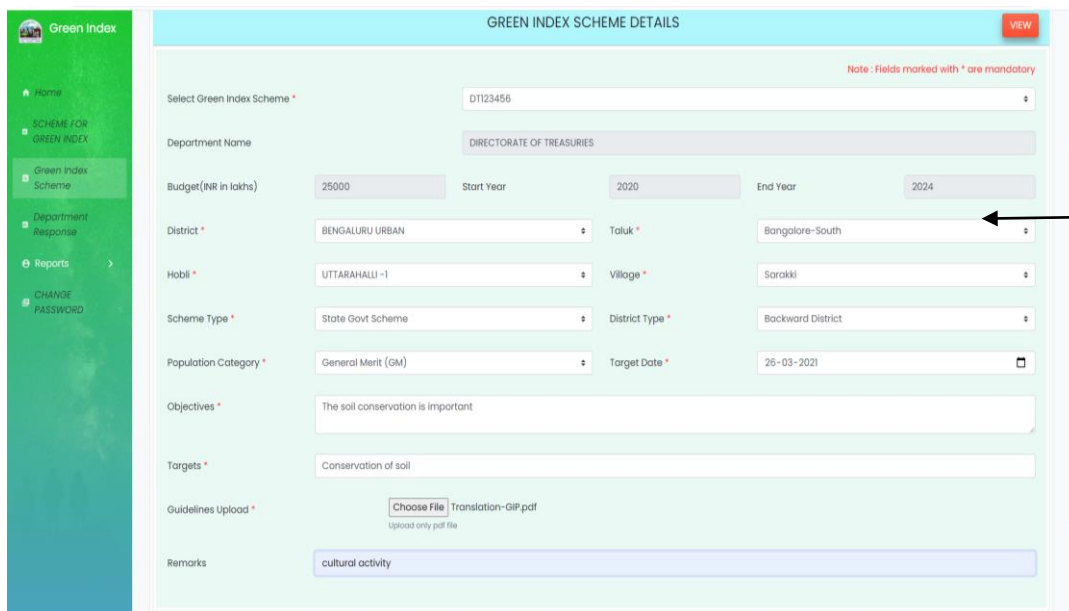
Success message is displayed

4. In the scheme for Green Index, the details of scheme allotted will be displayed. The screen display is as below.



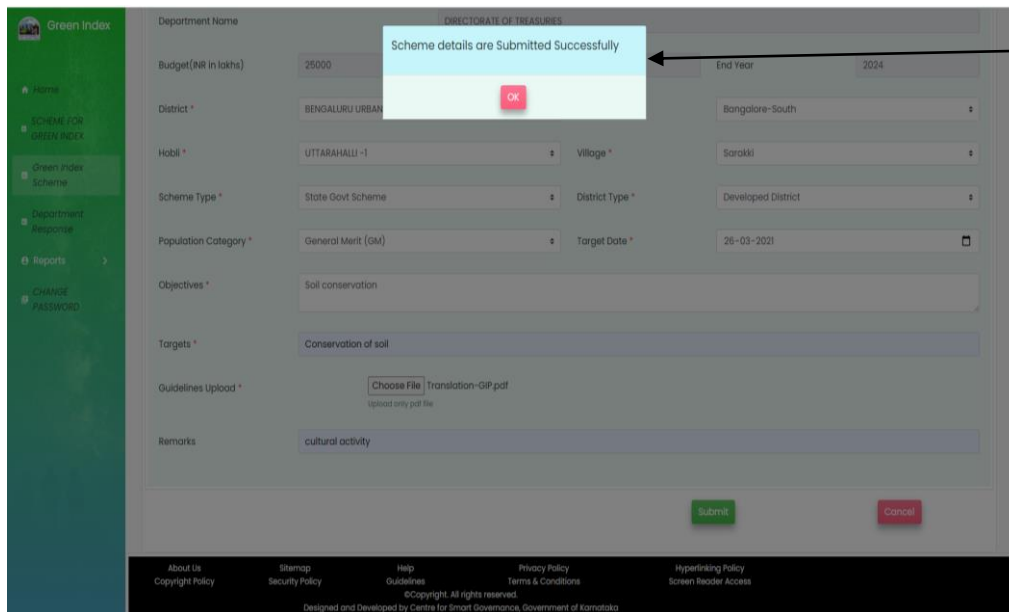
the details of scheme allotted will be displayed

5. In green index scheme section, the user will have select the scheme and enter the mandatory details. The screen display is as below.



the user will have select the scheme and enter the mandatory details

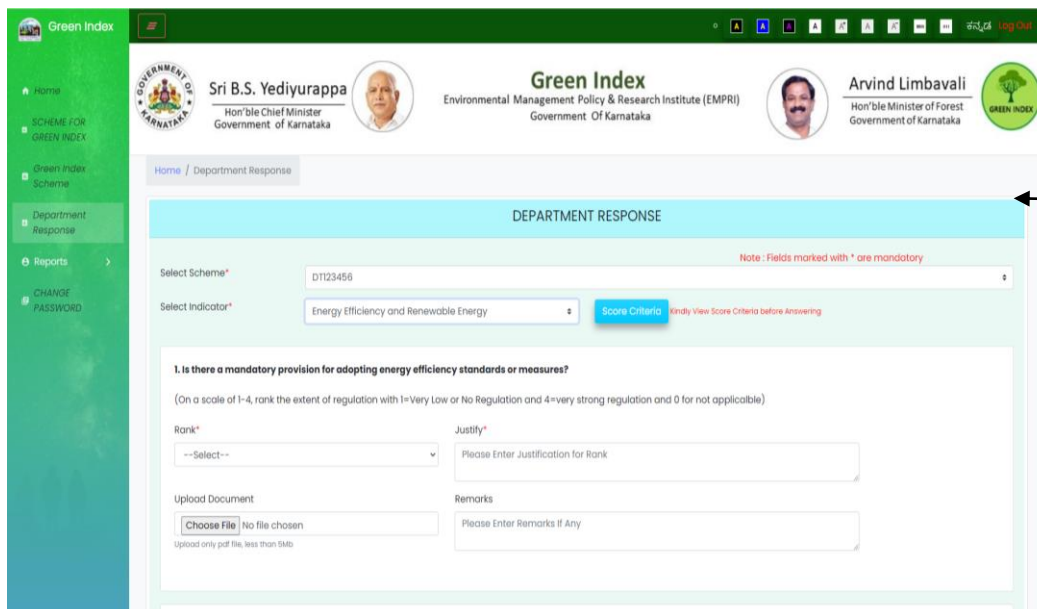
6. The user will click the submit button and a success message will be displayed. The screen display is as below .



The screenshot shows the 'Scheme Details' form in the Green Index portal. A light blue success message box with a red 'OK' button is centered over the form. The form fields include: Department Name (DIRECTORATE OF TREASURIES), Budget (25000), District (BENGALURU URBAN), End Year (2024), Habi (UTTARAHALLI -1), Village (Saralki), Scheme Type (State Govt Scheme), District Type (Developed District), Population Category (General Merit (GM)), Target Date (26-03-2021), Objectives (Soil conservation), Targets (Conservation of soil), Guidelines Upload (Translation-GIP.pdf), and Remarks (cultural activity). The 'Submit' button is visible at the bottom right of the form.

The user will click the submit button and a success message will be displayed

7. The user will enter the details, the user can view the score criteria by clicking the score criteria button .The user will enter the score and save the score . The screen display will be as below .

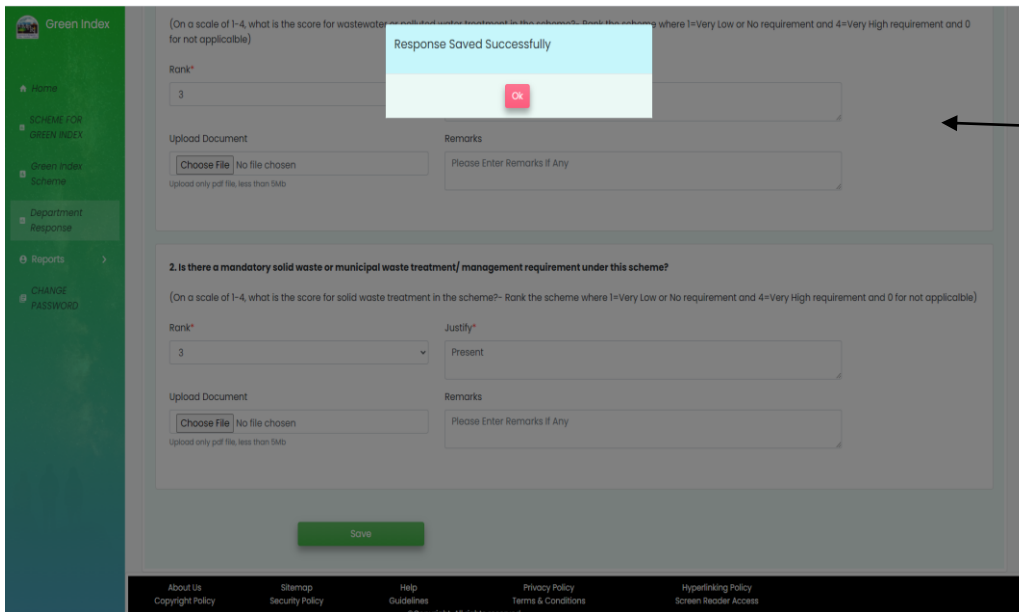


The screenshot shows the 'DEPARTMENT RESPONSE' form in the Green Index portal. The form includes a header with the Government of Karnataka logo, the names of the Chief Minister (Sri B.S. Yediyurappa) and Minister (Arvind Limbavali), and the Green Index logo. The form fields include: Select Scheme (DT123456), Select Indicator (Energy Efficiency and Renewable Energy), a 'Score Criteria' button, and a question: '1. Is there a mandatory provision for adopting energy efficiency standards or measures?'. Below the question, there are fields for Rank (a dropdown menu), Justify (a text area), Upload Document (a file upload button), and Remarks (a text area). A note at the top right states: 'Note : Fields marked with \* are mandatory'.

The user will enter the details, the user can view the score criteria by clicking the score criteria button. The user will enter the score and save the score

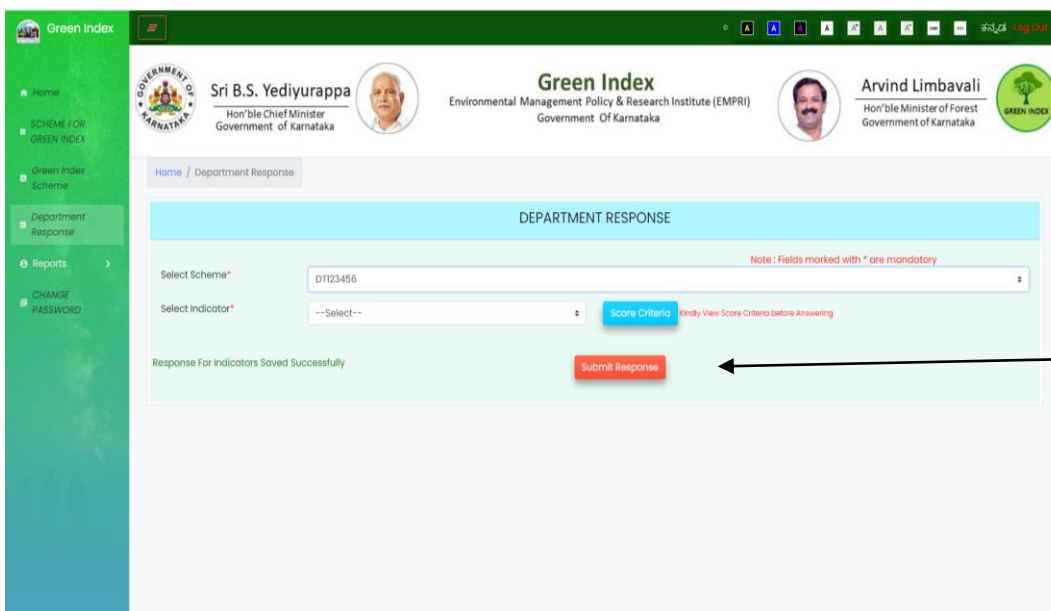


8. After the user clicks the save button, a success message is displayed stating that the response has been displayed



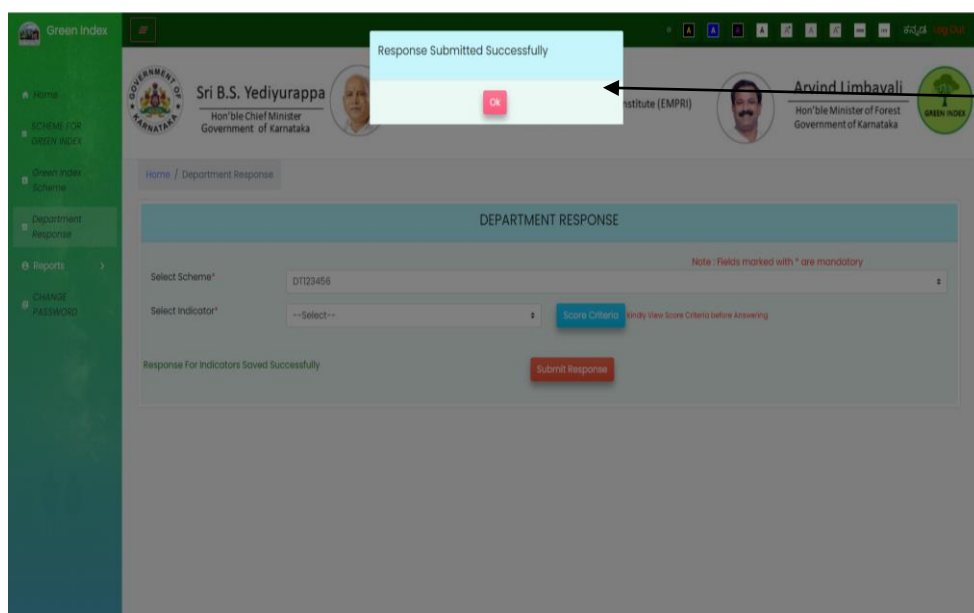
a success message is displayed stating that the response has been displayed

9. After all the responses have been entered, departments will be given provision to submits all the response by clicking submit response button :



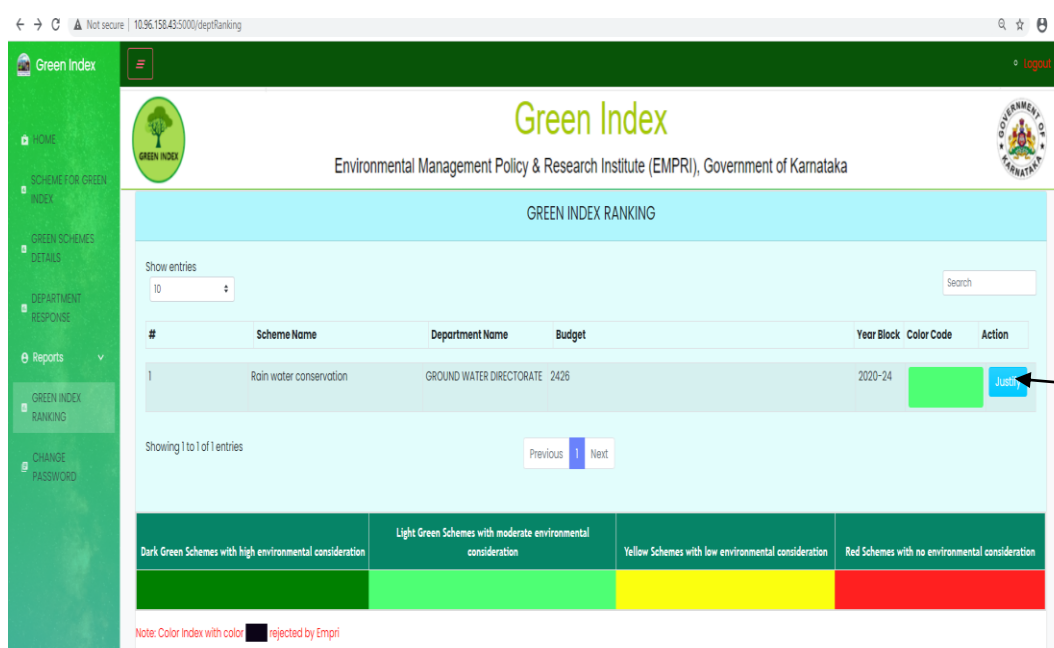
departments will be given provision to submits all the response by clicking submit response button

10. After submitting the response, a success message is displayed stating that the response has been saved successfully.



a success message is displayed stating that the response has been saved successfully.

11. The department user can view the Green Index Ranking only after the scrutiny of answers by EMPRI. The Department user can see the justification as to why the particular colour code has been awarded to them.



The Department user can see the justification as to why the particular colour code has been awarded to them

12. The justification of the colour code awarded can be seen by the participant department by clicking the justify button. The screen display is as below

**Green Index**

GOVERNMENT OF KARNATAKA  
SRI B. S. YEDIYURAPPA  
Hon'ble Chief Minister  
Government of Karnataka

**Green Index**  
Environmental Management Policy & Research Institute (EMPRI)  
Government of Karnataka

SRI ANAND SINGH  
Hon'ble Minister for Forest  
Government of Karnataka

**EMPRI RESPONSE FOR**

**1. Is there a mandatory provision for adopting energy efficiency standards or measures?**  
(On a scale of 1-4, rank the extent of regulation with 1=Very Low or No Regulation and 4=very strong regulation and 0 for not applicable)

Rank :  **Supportive Document by Department** [View](#) **Remarks:**

**Justification for Rank :**

**Supportive Document Uploaded by ADMIN** [View](#) **Remarks By ADMIN**

**2. Is there mandatory requirement for using renewable energy: solar energy / wind energy / biomass energy / biogas / Ethanol?**  
(Rank the scheme where 1=Very Low or No requirement and 4=Very High requirement and 0 for not applicable)

Rank :  **Supportive Document by Department** [View](#) **Remarks:**

**Justification for Rank :**

13. The password can be reset by entering the current password, new password, and confirming the password. The screen display is as below:

**Green Index**

Home / CHANGE PASSWORD

**CHANGE PASSWORD**

Current Password \*

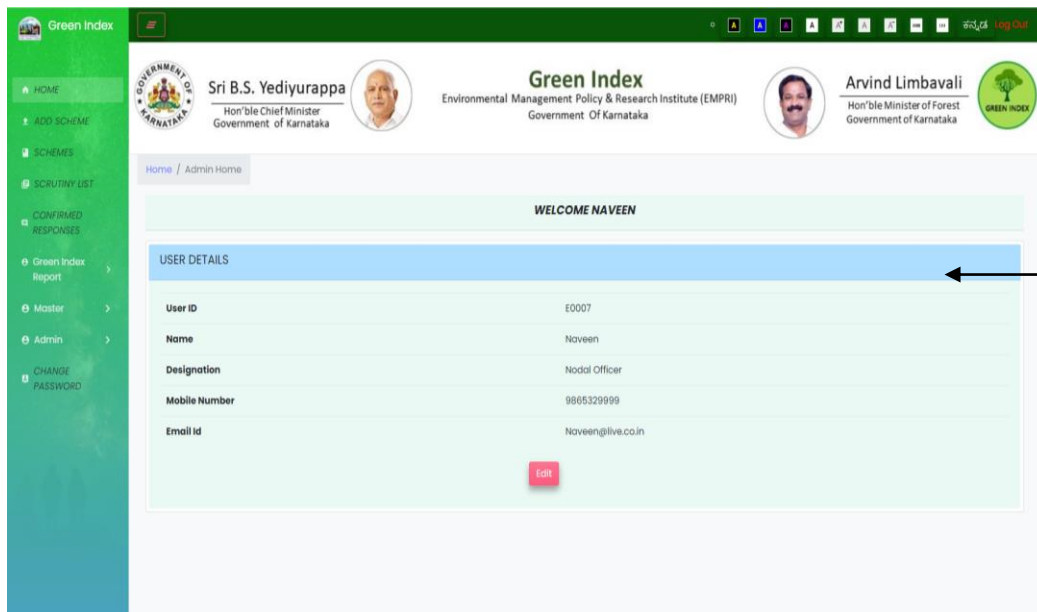
New Password \*

Confirm Password \*

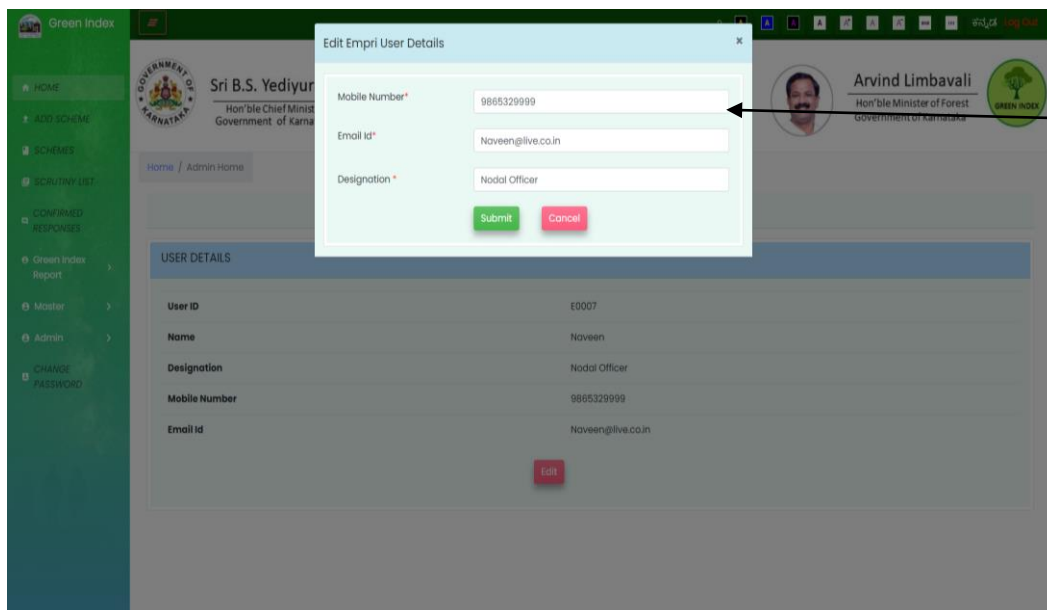
[Submit](#)

EMPRI Screen :

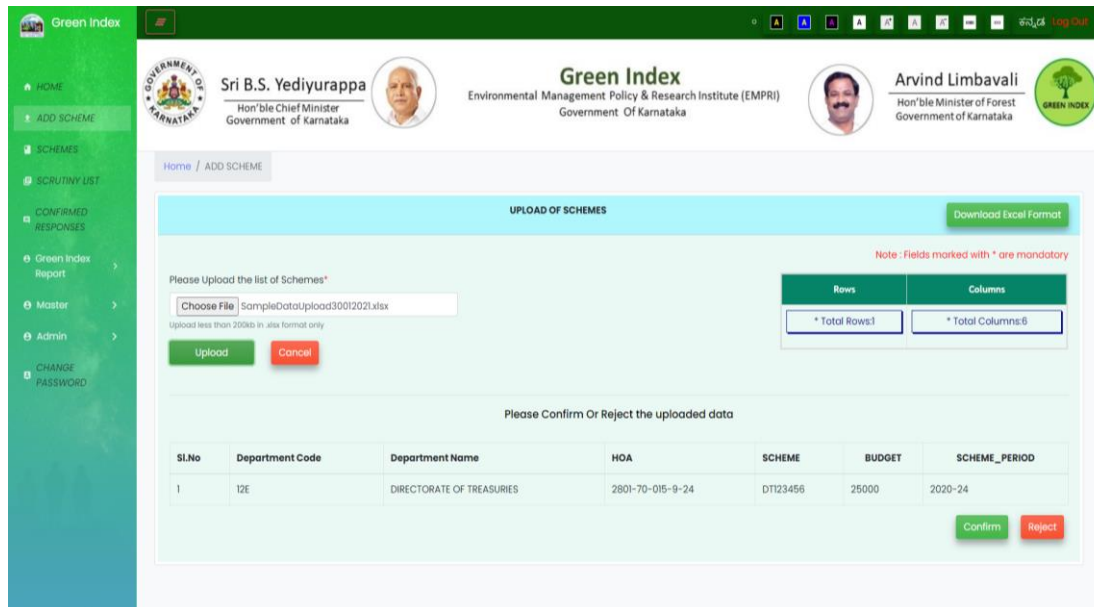
1. Super Admin will log into the application and the home page for the Super Admin will be displayed . The screen display will be as below



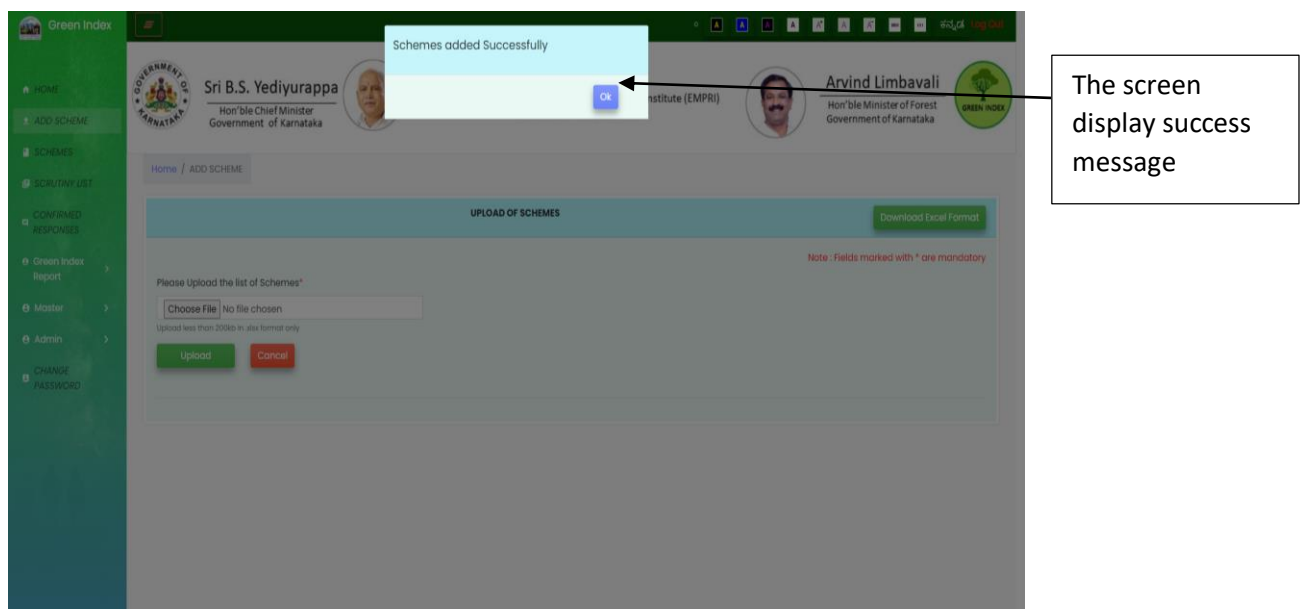
2. In home screen, the Super Admin details can be edited by clicking the edit button . The screen display is as below



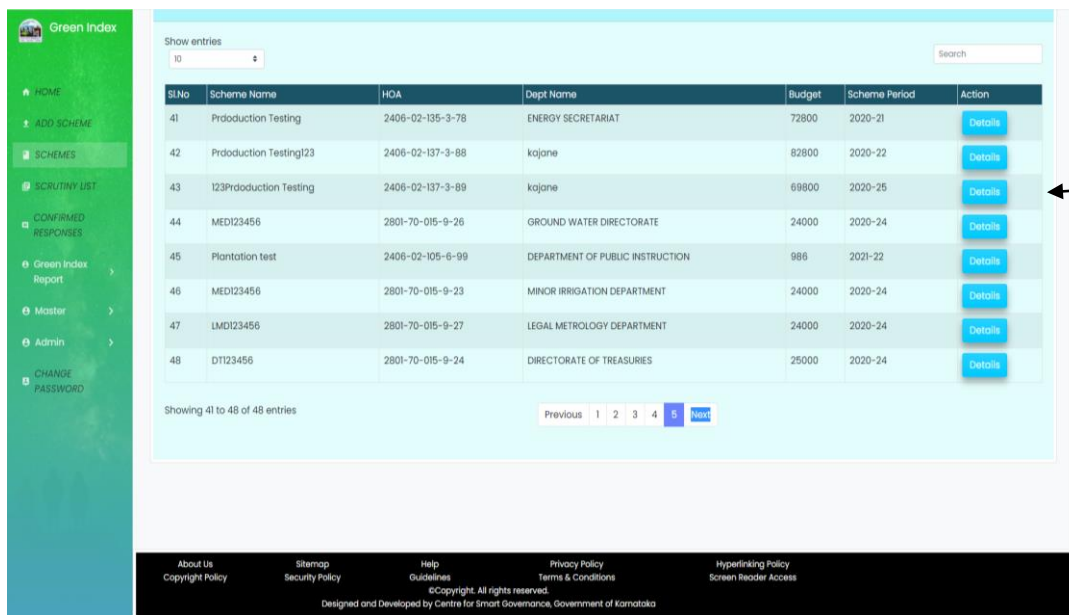
3.The scheme can be updated by uploading the excel sheet , and uploaded data can confirmed or rejected. The screen display will be as below .



4.After confirmation a success message is displayed stating that the scheme has been updated . The screen display is as below :



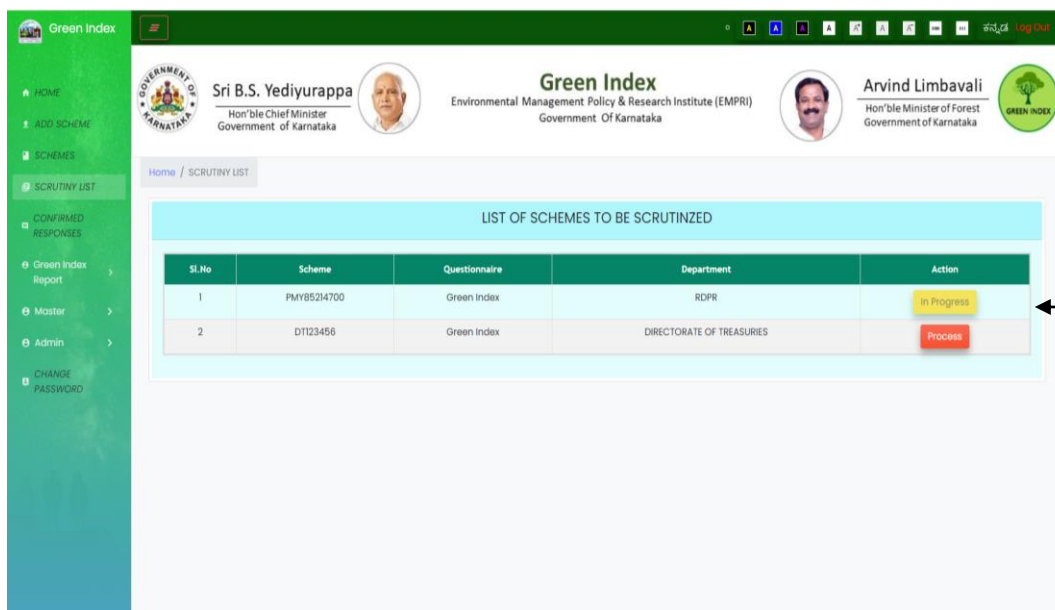
5. The list of added schemes is displayed as below :



Sl.No	Scheme Name	HOA	Dept Name	Budget	Scheme Period	Action
41	Production Testing	2406-02-135-3-78	ENERGY SECRETARIAT	72800	2020-21	<a href="#">Details</a>
42	Production Testing123	2406-02-137-3-88	kojane	82800	2020-22	<a href="#">Details</a>
43	123Production Testing	2406-02-137-3-89	kojane	69800	2020-25	<a href="#">Details</a>
44	MEDI23456	2801-70-015-9-26	GROUND WATER DIRECTORATE	24000	2020-24	<a href="#">Details</a>
45	Plantation test	2406-02-105-9-99	DEPARTMENT OF PUBLIC INSTRUCTION	986	2021-22	<a href="#">Details</a>
46	MEDI23456	2801-70-015-9-23	MINOR IRRIGATION DEPARTMENT	24000	2020-24	<a href="#">Details</a>
47	LMDI23456	2801-70-015-9-27	LEGAL METROLOGY DEPARTMENT	24000	2020-24	<a href="#">Details</a>
48	DTI23456	2801-70-015-9-24	DIRECTORATE OF TREASURIES	25000	2020-24	<a href="#">Details</a>

list of added schemes is displayed

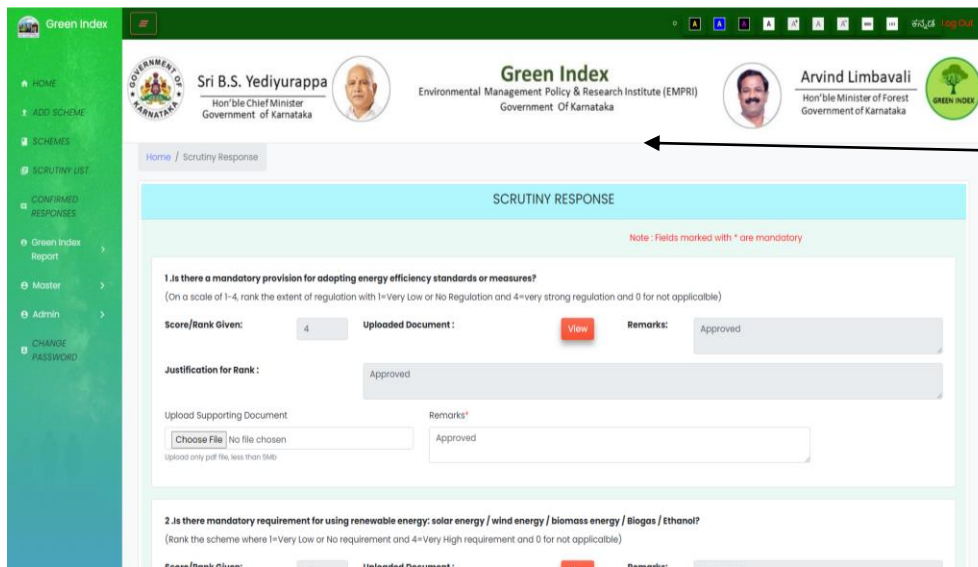
6. The Super Admin can process the scheme to be scrutinized by clicking the process button the screen display is as below



Sl.No	Scheme	Questionnaire	Department	Action
1	PMY85214700	Green Index	RDPR	In Progress
2	DTI23456	Green Index	DIRECTORATE OF TREASURIES	Process

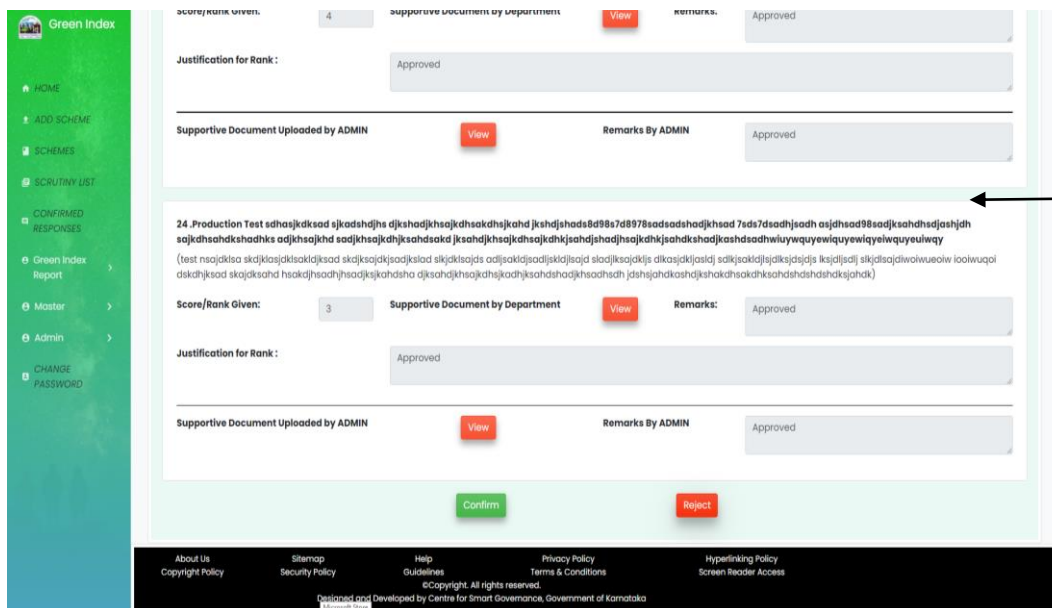
The Super Admin can process the scheme to be scrutinized by clicking the process button

7. The Super Admin will scrutinize the response submitted by the client, and a success message is displayed stating that the response has been submitted successfully.



The Super Admin will scrutinize the response submitted by the client, and a success message is displayed

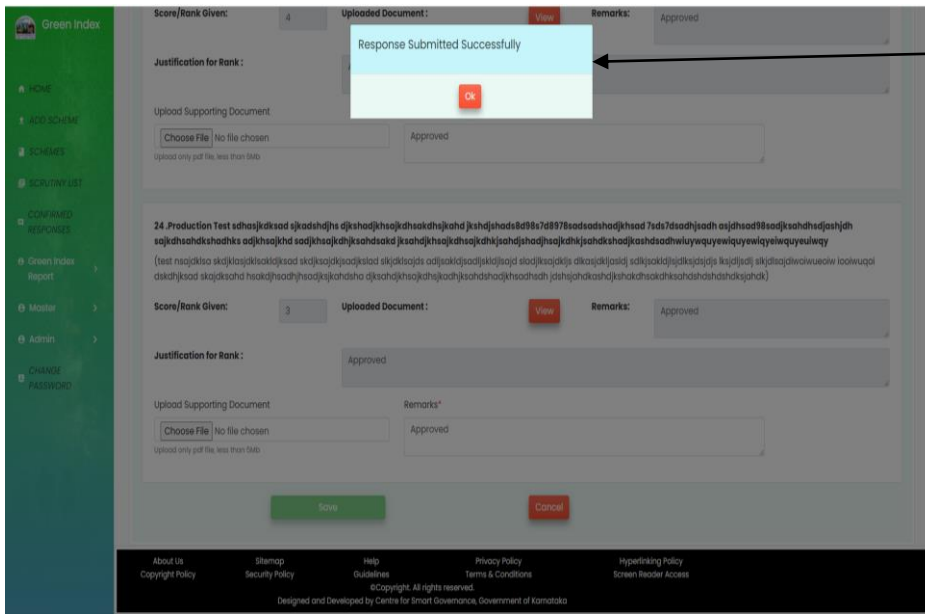
8. The Super admin will confirm the response by clicking the confirm button. The screen display is as below.



The Super admin will confirm the response by clicking the confirm button

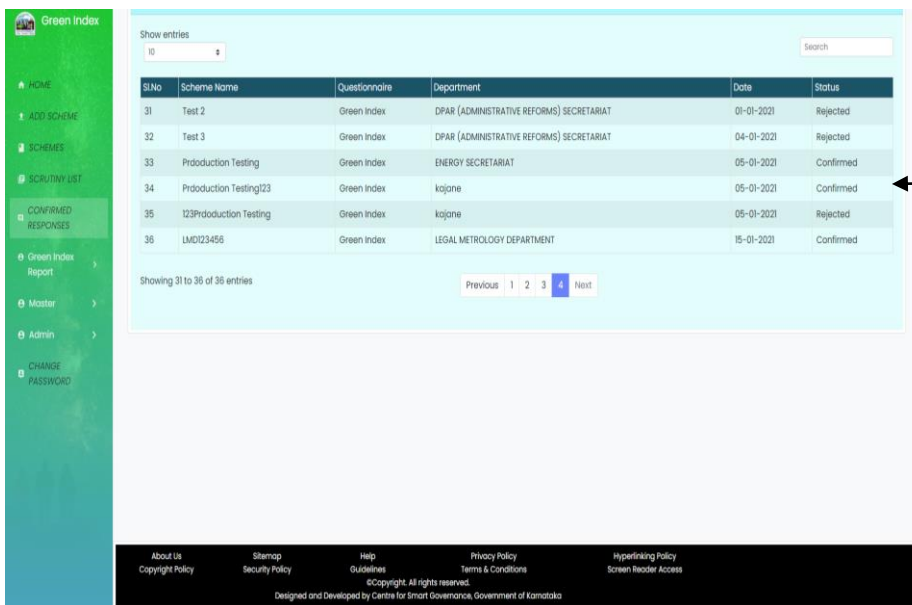


9. After the confirmation a success message is displayed . The screen display is as below



a success message is displayed

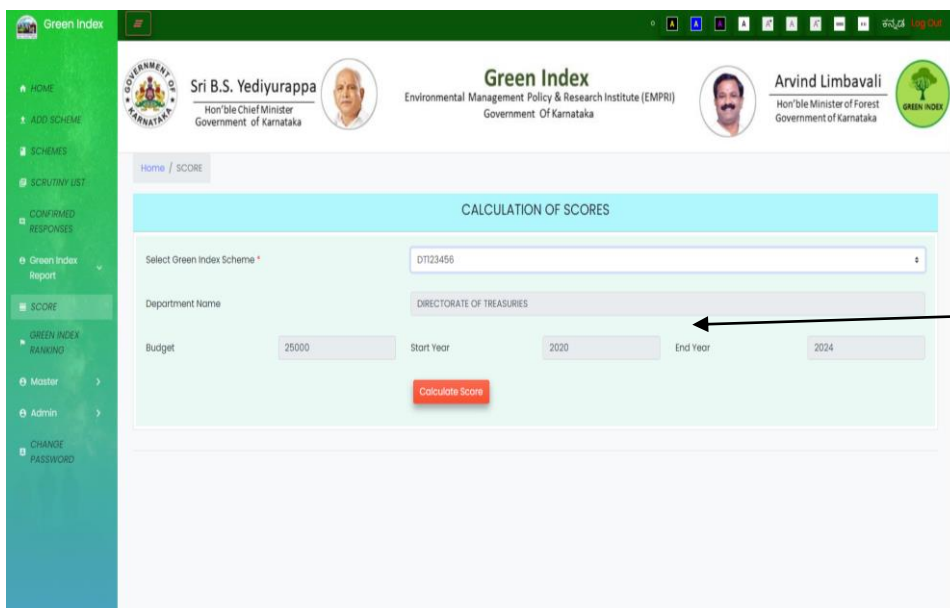
10. A list of confirmed responses are displayed. The screen display is as below



A list of confirmed responses are displayed

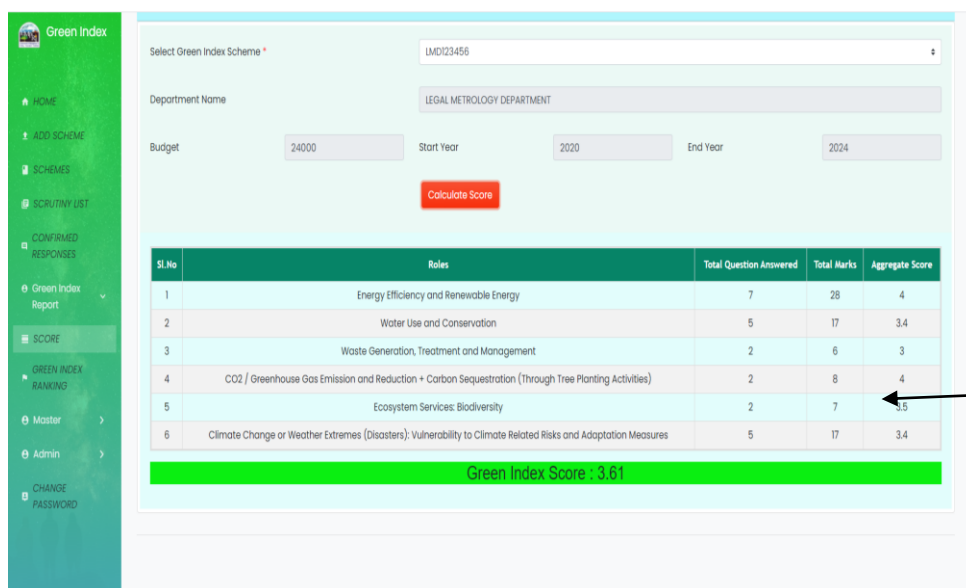


11. The Super Admin can calculate scores by clicking the calculate score button, and selecting the green Index Scheme .The screen display is as below :



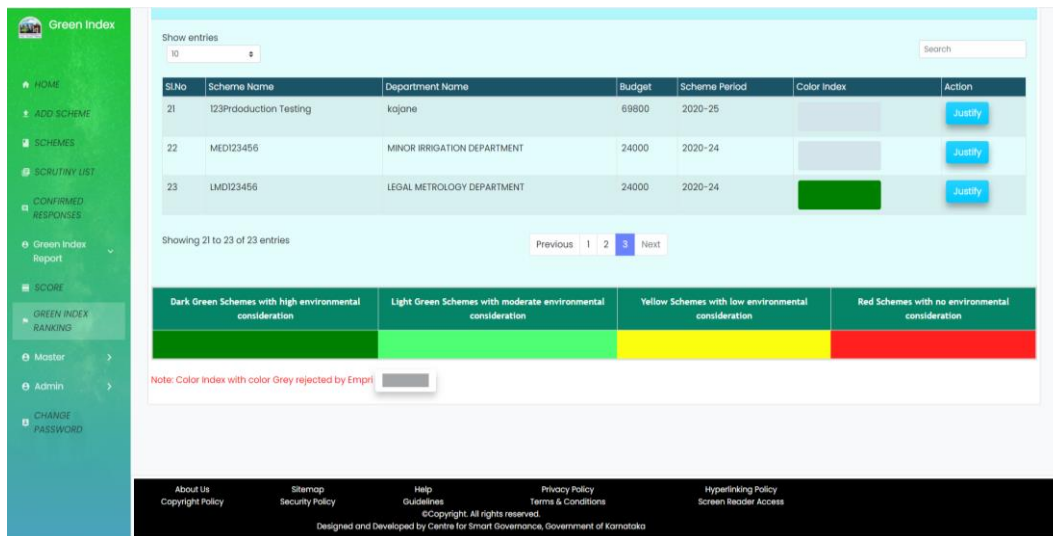
can calculate scores by clicking the calculate score button, and selecting the green Index Scheme.

12.The calculated score is displayed along with the colour code . The screen display is as below



The calculated score is displayed along with the colour code

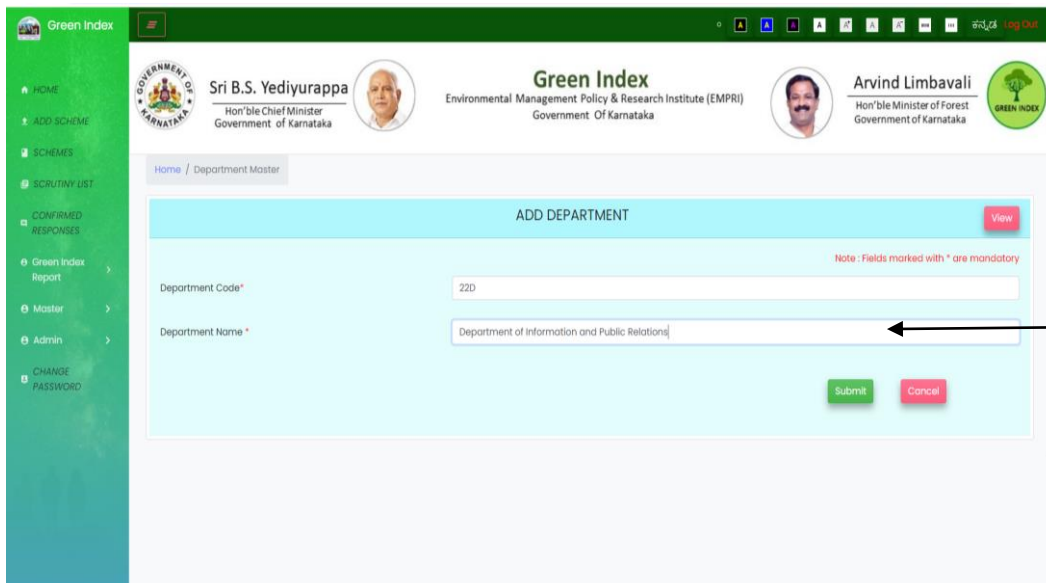
13)The Super Admin can view the green index ranking along with justification. The display is as below.



The screenshot displays the 'Green Index' dashboard. On the left is a navigation menu with options like HOME, ADD SCHEME, SCHEMES, SCRUTINY LIST, CONFIRMED RESPONSES, Green Index Report, SCORE, GREEN INDEX RANKINGS, Master, Admin, CHANGE PASSWORD. The main content area shows a table of schemes with columns for SNo, Scheme Name, Department Name, Budget, Scheme Period, Color Index, and Action. Below the table are summary boxes for Dark Green, Light Green, Yellow, and Red schemes, and a footer with legal notices.

SNo	Scheme Name	Department Name	Budget	Scheme Period	Color Index	Action
21	I23Production Testing	kajane	69800	2020-25	Grey	Justify
22	MEDI23456	MINOR IRRIGATION DEPARTMENT	24000	2020-24	Grey	Justify
23	LMDI23456	LEGAL METROLOGY DEPARTMENT	24000	2020-24	Green	Justify

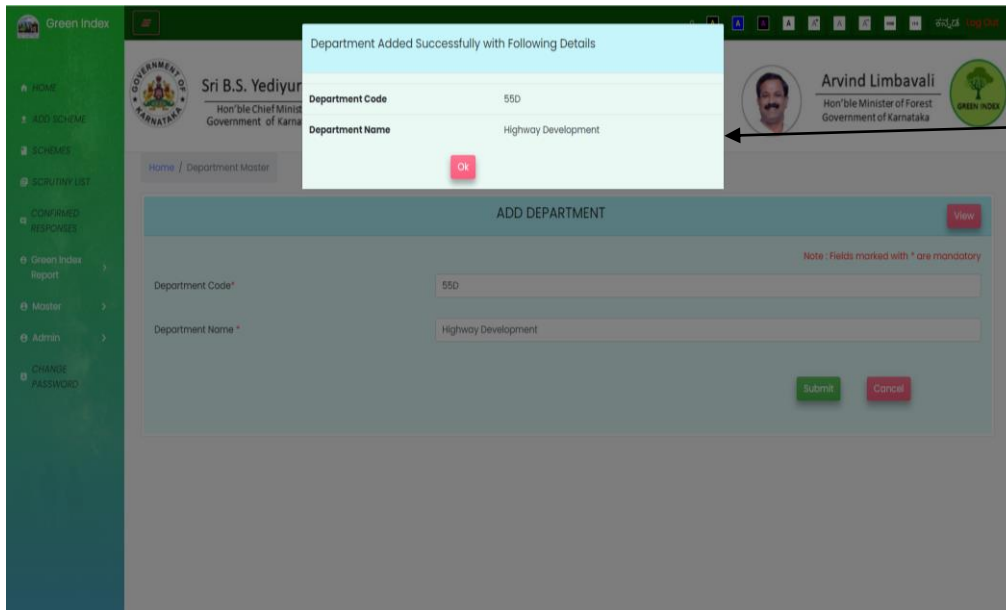
14)Super Admin can enter new department with code and submit it . The screen display is as below



The screenshot shows the 'ADD DEPARTMENT' form in the Green Index portal. The header includes the Government of Karnataka logo, the names of the Chief Minister (Sri B.S. Yediyurappa) and the Minister of Forest (Arvind Limbavali), and the Green Index logo. The form has two input fields: 'Department Code\*' with the value '22D' and 'Department Name\*' with the value 'Department of Information and Public Relations'. There are 'Submit' and 'Cancel' buttons. A note indicates that fields marked with an asterisk are mandatory. A callout box points to the Department Name field.

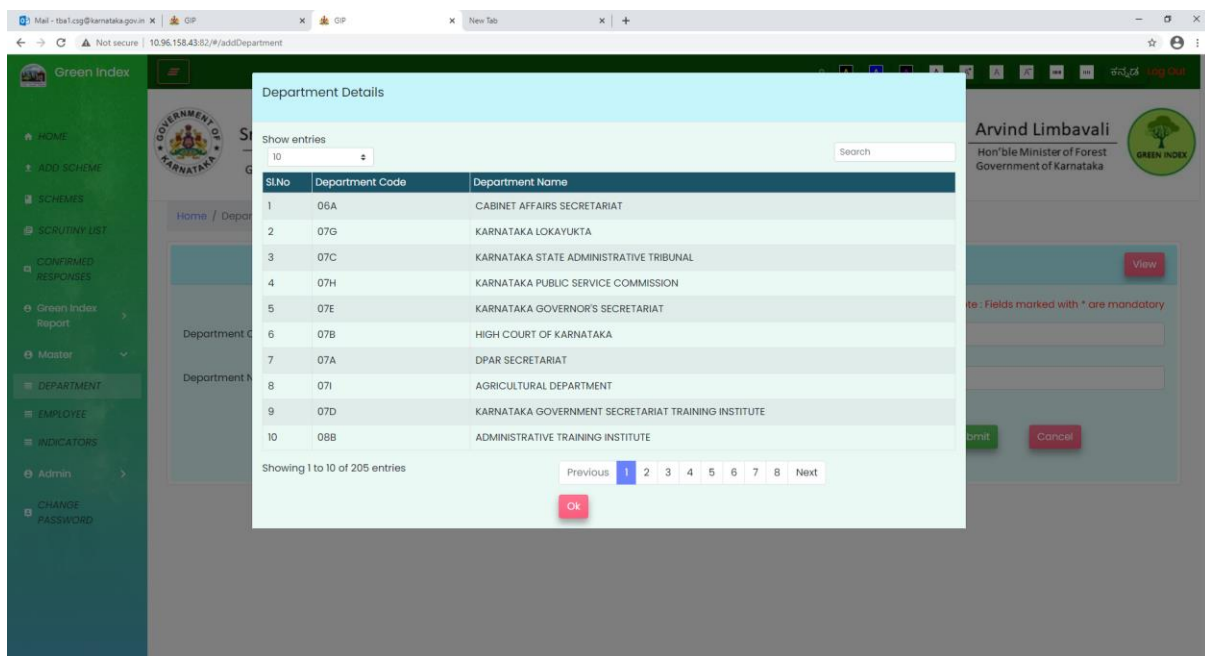
Super Admin can enter new department with code

15) After submission, A success message is shown stating the department and department code has been added .The screen display is as below .



A success message is shown stating the department and department code has been added

16)List of Department enrolled will be displayed when the Super Admin clicks the view button . The screen display is as below



17) Super Admin can register a new EMPRI employee by entering the new employee details. The screen display is as below.

Super Admin can register a new EMPRI employee by entering the new employee details

18) After the Super Admin submits the employee details a confirmation message is displayed along with the employee details. The screen display is as below :

After the Super Admin submits the employee details a confirmation message is displayed along with the employee details

19) The Super Admin can enter the indicator type, sub indicator, description of rank the screen display is as below :

The screenshot shows the 'DESIGN OF SUB INDICATOR' form in the Green Index portal. The form has the following fields:

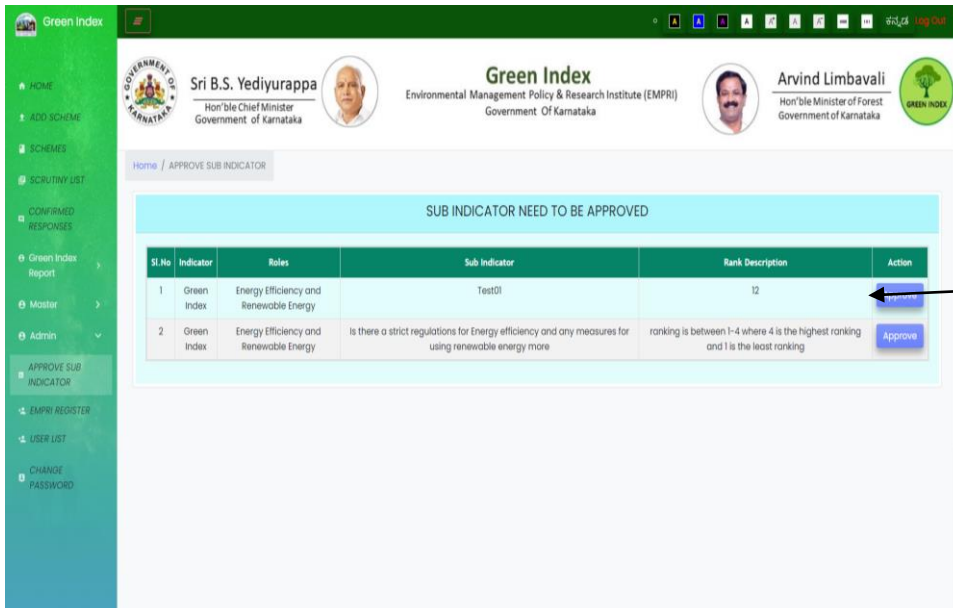
- Select Type\***: Green Index
- Select Indicator Type\***: Energy Efficiency and Renewable Energy
- Enter Sub Indicators\***: Is there a strict regulations for Energy efficiency and any measures for using renewable energy more
- Rank Description\***: ranking is between 1-4 where 4 is the highest ranking and 1 is the least ranking

A callout box on the right states: "The Super Admin can enter the indicator type, sub indicator, description of rank". An arrow points from this box to the 'Select Indicator Type\*' field.

20) After submission, a success message is displayed, stating the question has been submitted successfully. The screen display is as below:

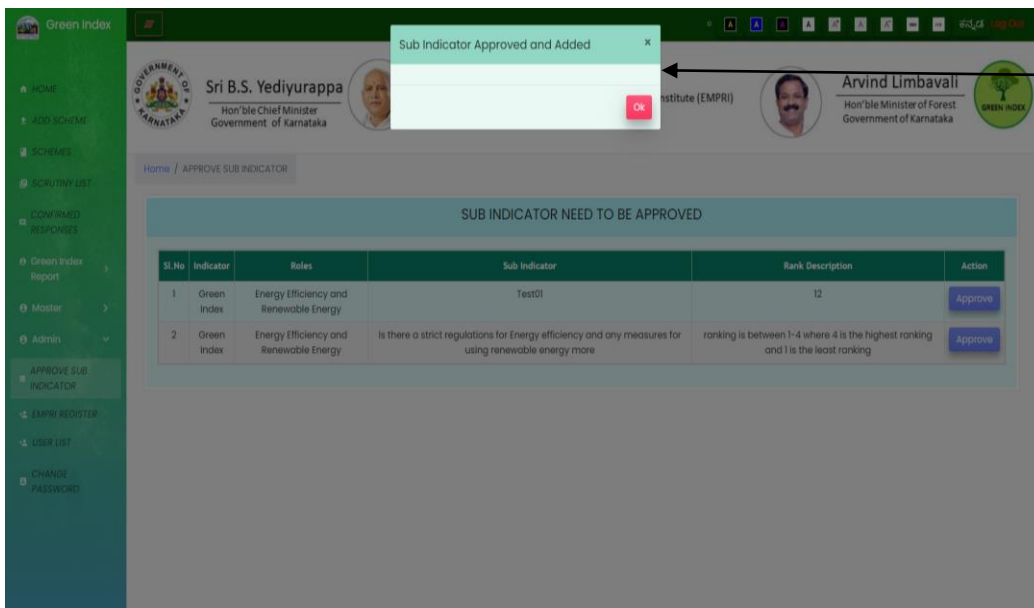
The screenshot shows the 'DESIGN OF SUB INDICATOR' form with a success message overlay: "Question Added Successfully". A callout box on the right states: "a success message is displayed, stating the question has been submitted successfully". An arrow points from this box to the success message.

21) Super Admin can approve the sub indicators/ question added to the system .The screen display is as below :



Super Admin can approve the sub indicators/ question added to the system

22)After approval a success message is displayed stating that the sub indicator has been approved . The screen display is as below



The sub indicators are approved

23) EMPRI user can be created by Super Admin by selecting the role and submitting it. The screen display is as below

The screenshot shows the 'EMPRI REGISTER' page in the Green Index portal. The main content area is titled 'EMPRI USER CREATION'. It contains a form with the following fields:
 

- Select Empri Employee\*: Chatanya
- Mobile Number: 990011636
- Email Id: chaitanya02@gmail.com
- Designation: Research Director
- Roles\*: ROLE\_ADMIN

 At the bottom of the form are 'Submit' and 'Cancel' buttons. A note above the form states 'Note: Fields marked with \* are mandatory'. The left sidebar contains navigation options like HOME, ADD SCHEME, SCHEMES, SCRUTINY LIST, CONFIRMED RESPONSES, Green Index Report, Master, Admin, APPROVE SUB INDICATOR, EMPRI REGISTER, USER LIST, CHANGE PASSWORD.

EMPRI user can be created by Super Admin by selecting the role and

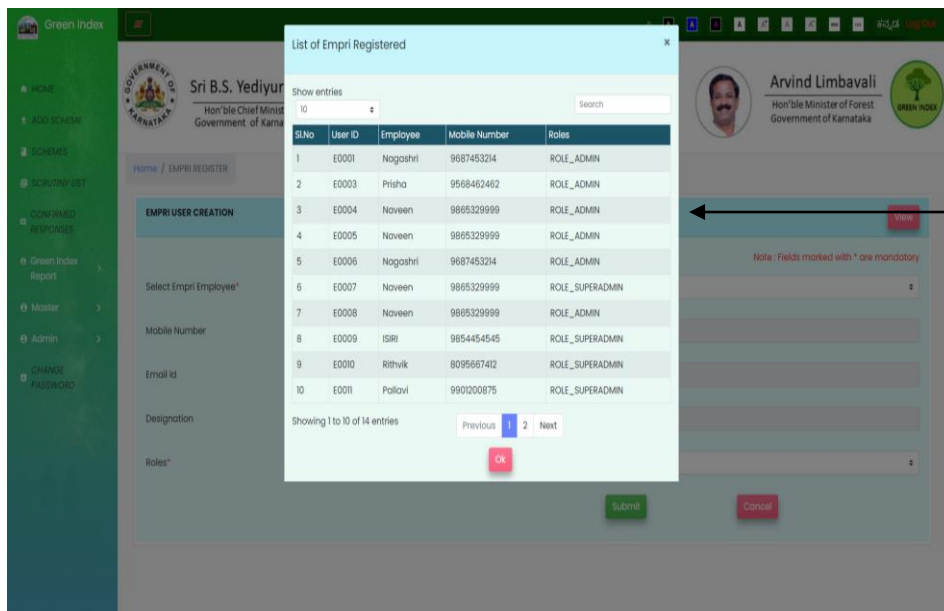
24) A success message is displayed stating that the user role has been created. The screen display is below :

This screenshot shows the same 'EMPRI USER CREATION' form as in the previous image, but with a success message overlay. The message box says 'Empri User added Successfully' and has an 'OK' button. The background form is dimmed. The rest of the page layout, including the sidebar and header, remains the same.

A success message is displayed stating that the user role has been created

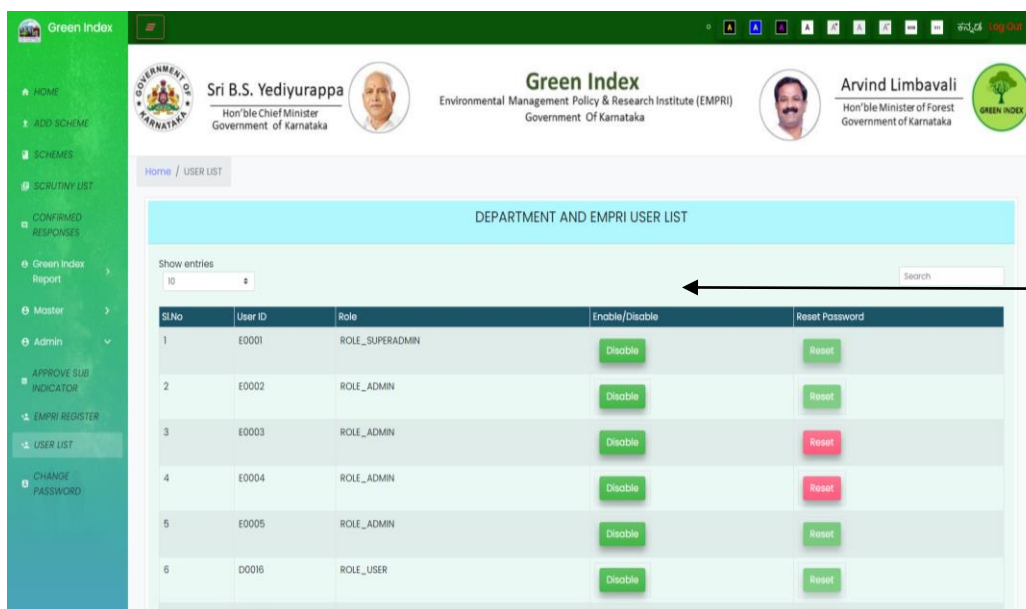


25) By clicking the view button list of registered user will be displayed. The Screen display is as below



By clicking the view button list of registered user will be display

26) In user list section, Super Admin can enable or disable the department / EMPRI user . The screen display is as below



In user list section, Super Admin can enable or disable the department / EMPRI user



27) Super Admin can change the password by entering the current password, New password, and re-entering the new password. The screen display is as below .

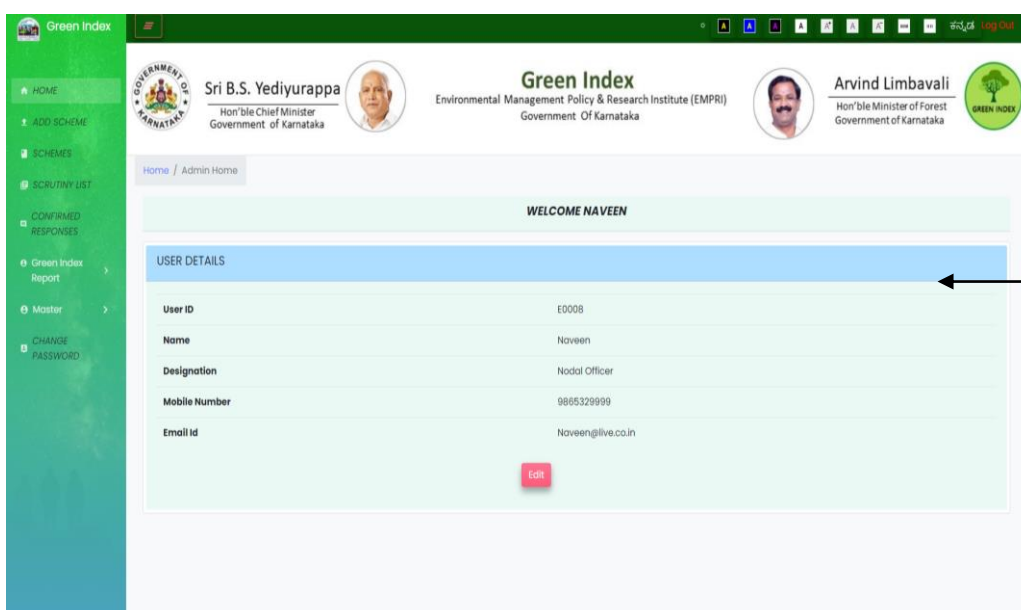
The screenshot displays the 'CHANGE PASSWORD' form within the Green Index portal. The form is titled 'CHANGE PASSWORD' and contains three input fields: 'Current Password\*', 'New Password\*', and 'Confirm Password\*'. Each field has a placeholder text: 'Please Enter Current Password', 'Please Enter New Password', and 'Please Re-Enter New Password' respectively. Below the input fields is a CAPTCHA image with the text '301By2' and a 'C' icon. A 'Submit' button is located at the bottom of the form. The portal header includes the Government of Karnataka logo, the names of Sri B.S. Yediyurappa (Hon'ble Chief Minister) and Arvind Limbavali (Hon'ble Minister of Forest), and the 'Green Index' logo. The left sidebar contains a navigation menu with options like HOME, ADD SCHEME, SCHEMES, SCRUTINY LIST, CONFIRMED RESPONSES, Green Index Report, Master, Admin, APPROVE SUB INDICATOR, EMPRI REGISTER, USER LIST, and CHANGE PASSWORD.

Super Admin can change the password by entering the current password, New password, and re-entering the new password

## Admin screens

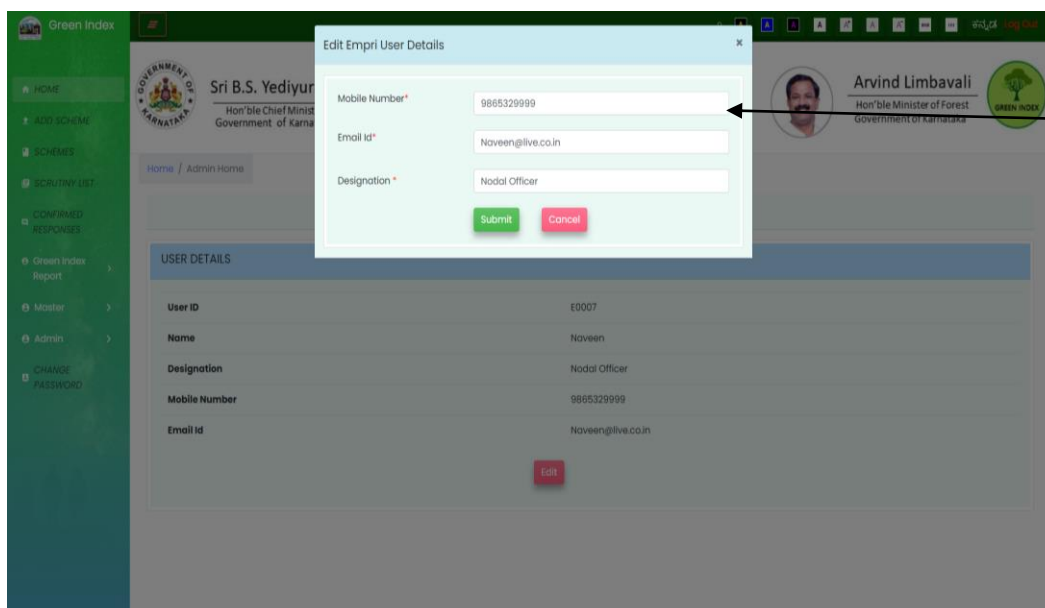
### EMPRI Screen :

1.Admin will log into the application and the home page for the Admin will be displayed . The screen display will be as below



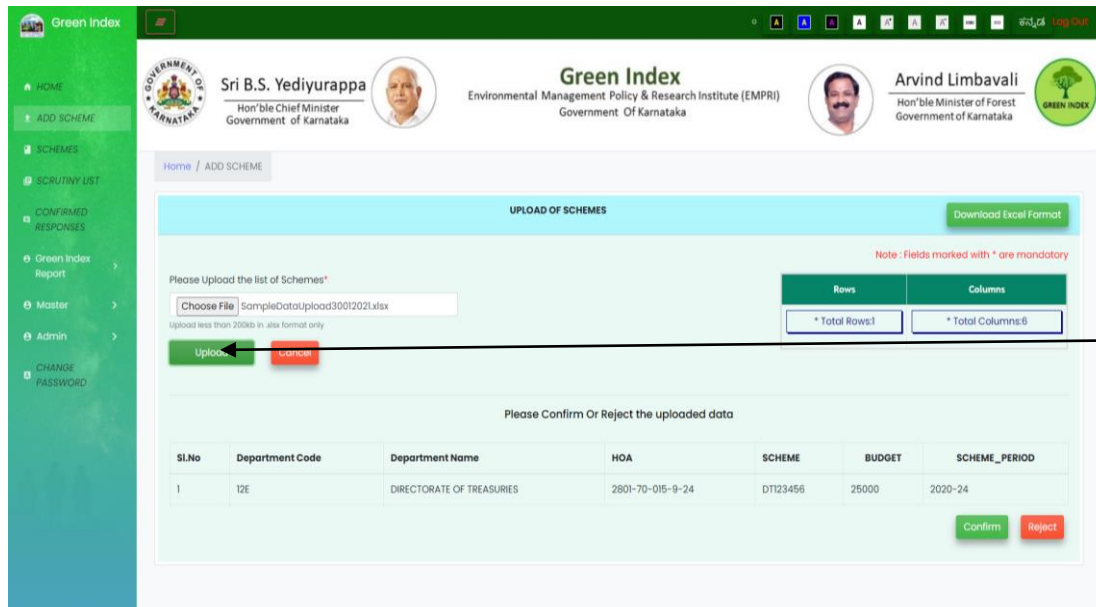
the home page for the Admin will be displayed

2.In home screen, the Admin details can be edited by clicking the edit button . The screen display is as below



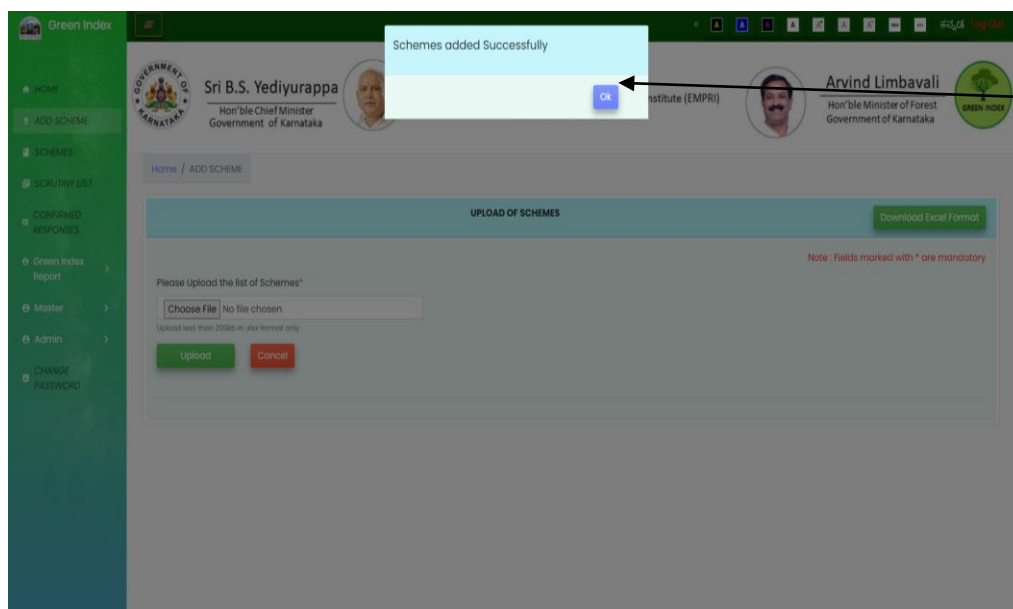
The Admin details can be edited

3.The scheme can be updated by uploading the excel sheet , and uploaded data can confirmed or rejected. The screen display will be as below .



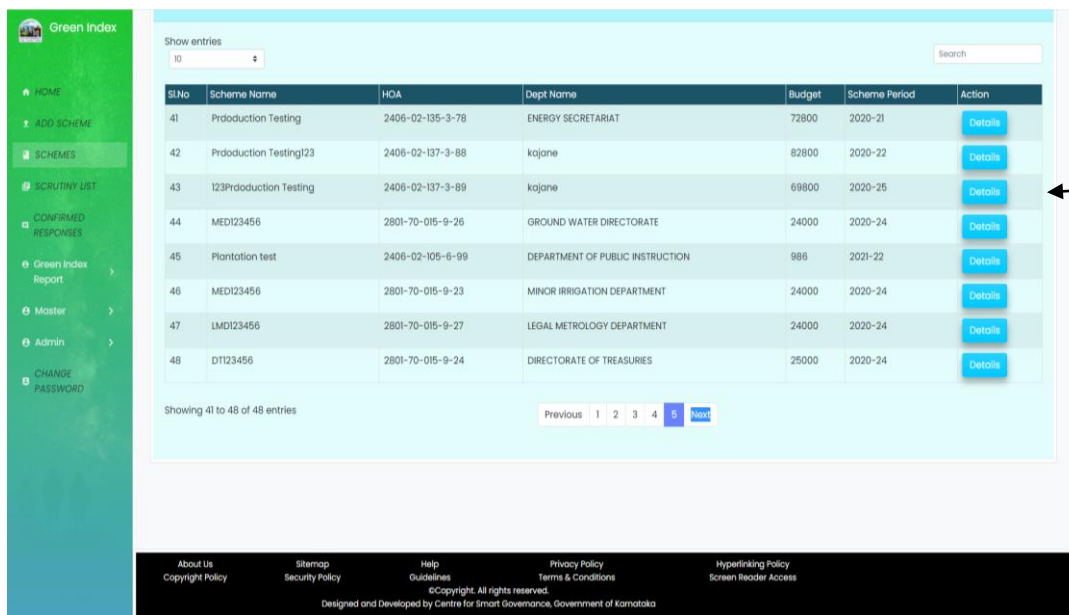
Admin uploads excel sheet

4.After confirmation a success message is displayed stating that the scheme has been updated . The screen display is as below :



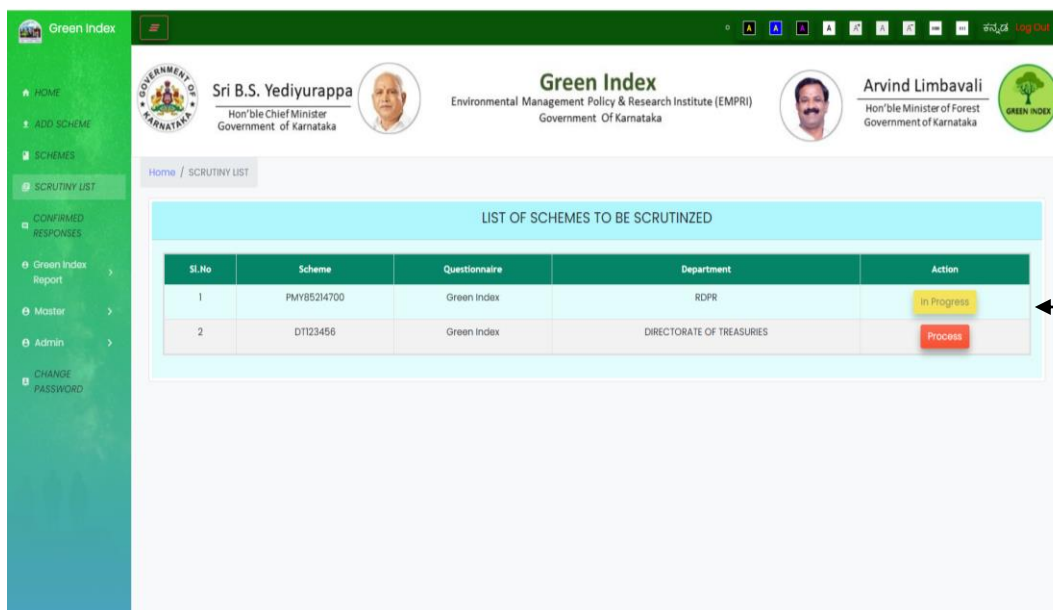
The screen display success message

5. The list of added schemes is displayed as below :



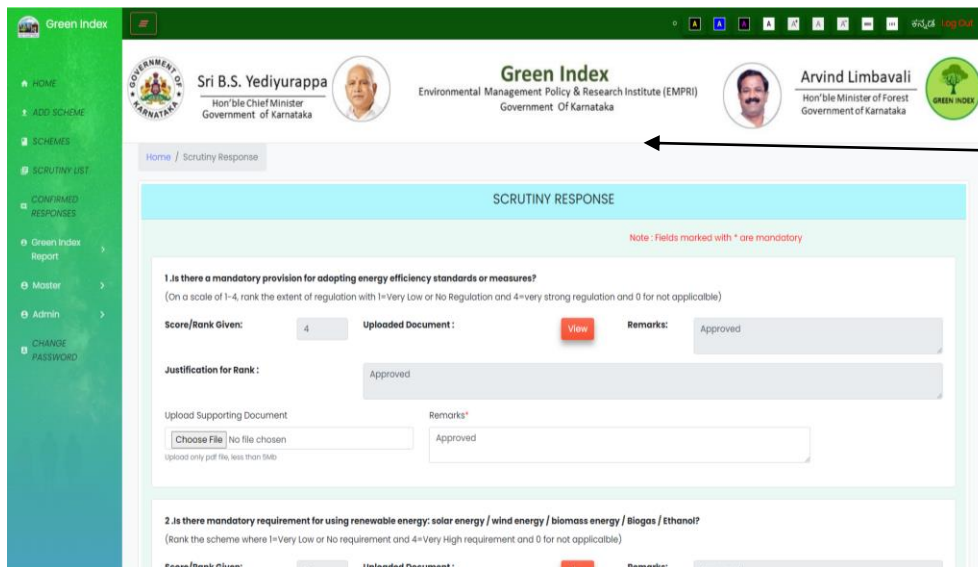
Sl.No	Scheme Name	HOA	Dept Name	Budget	Scheme Period	Action
41	Production Testing	2406-02-135-3-78	ENERGY SECRETARIAT	72800	2020-21	<a href="#">Details</a>
42	Production Testing123	2406-02-137-3-88	kojane	82800	2020-22	<a href="#">Details</a>
43	123Production Testing	2406-02-137-3-89	kojane	69800	2020-25	<a href="#">Details</a>
44	MEDI23456	2801-70-015-9-26	GROUND WATER DIRECTORATE	24000	2020-24	<a href="#">Details</a>
45	Plantation test	2406-02-105-9-99	DEPARTMENT OF PUBLIC INSTRUCTION	986	2021-22	<a href="#">Details</a>
46	MEDI23456	2801-70-015-9-23	MINOR IRRIGATION DEPARTMENT	24000	2020-24	<a href="#">Details</a>
47	LMDI23456	2801-70-015-9-27	LEGAL METROLOGY DEPARTMENT	24000	2020-24	<a href="#">Details</a>
48	DTI23456	2801-70-015-9-24	DIRECTORATE OF TREASURIES	25000	2020-24	<a href="#">Details</a>

6. The Admin can process the scheme to be scrutinized by clicking the process button the screen display is as below



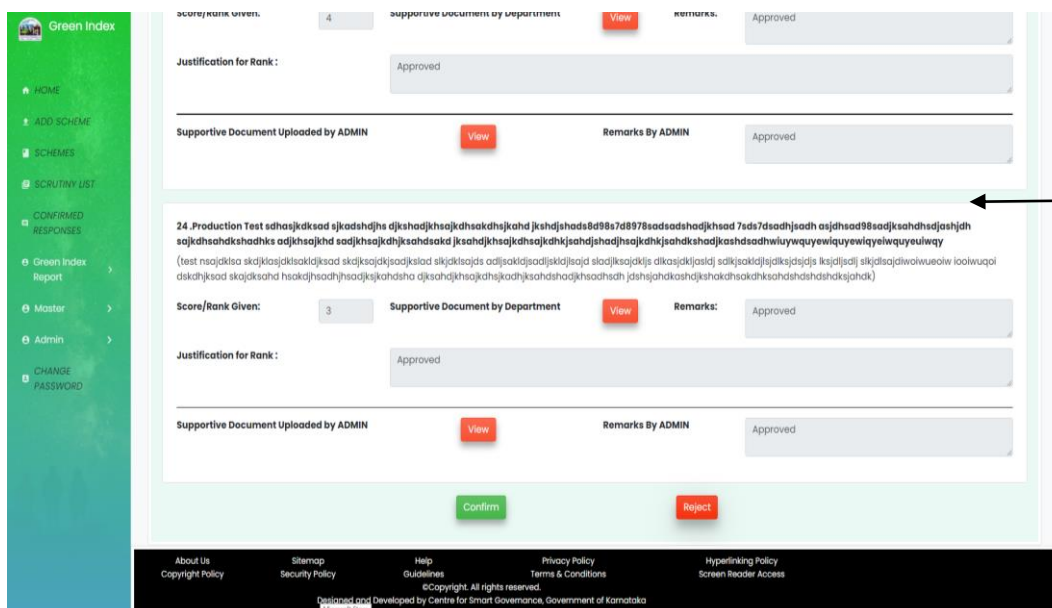
Sl.No	Scheme	Questionnaire	Department	Action
1	PMY85214700	Green Index	RDPR	<a href="#">In Progress</a>
2	DTI23456	Green Index	DIRECTORATE OF TREASURIES	<a href="#">Process</a>

7. The Admin will scrutinize the response submitted by the client, and a success message is displayed stating that the response has been submitted successfully.



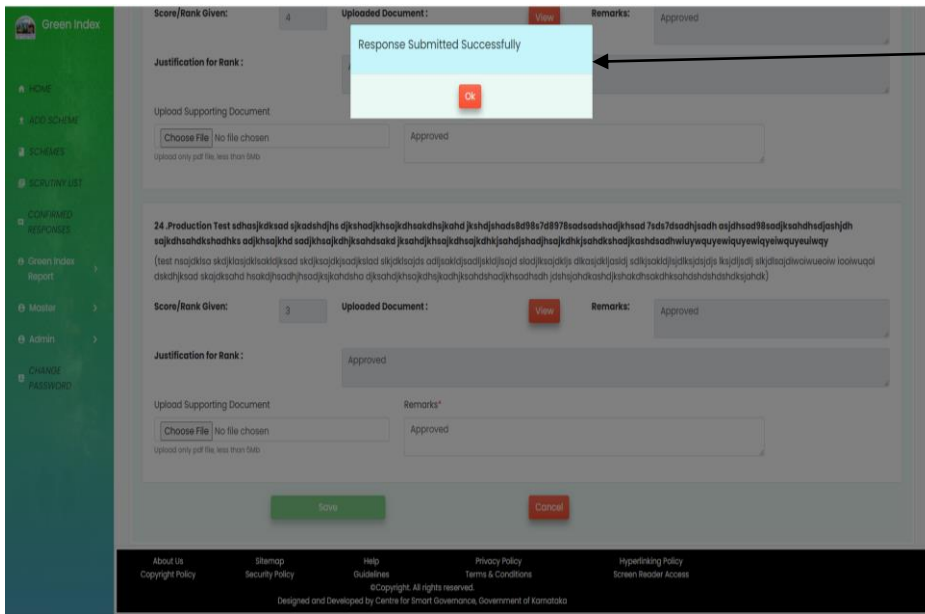
The Admin will scrutinize the response submitted by the client, and a success message is displayed

8. The admin will confirm the response by clicking the confirm button. The screen display is as below



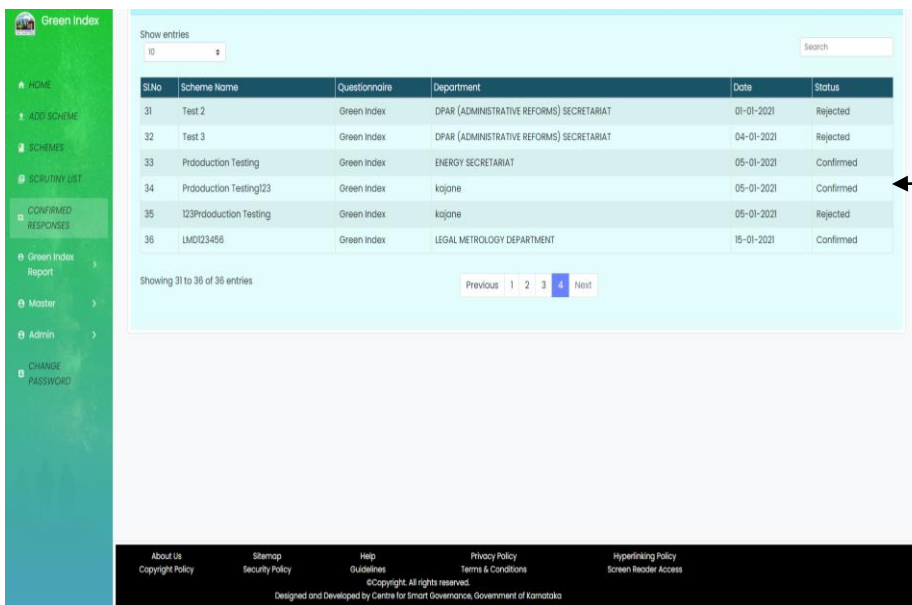
The admin will confirm the response by clicking the confirm button

9. After the confirmation a success message is displayed . The screen display is as below



a success message is displayed

10. A list of confirmed responses are displayed. The screen display is as below



A list of confirmed responses are displayed

11. The Admin can calculate scores by clicking the calculate score button, and selecting the green Index Scheme .The screen display is as below :

can calculate scores by clicking the calculate score button, and selecting the green Index Scheme.

12.The calculated score is displayed along with the colour code . The screen display is as below

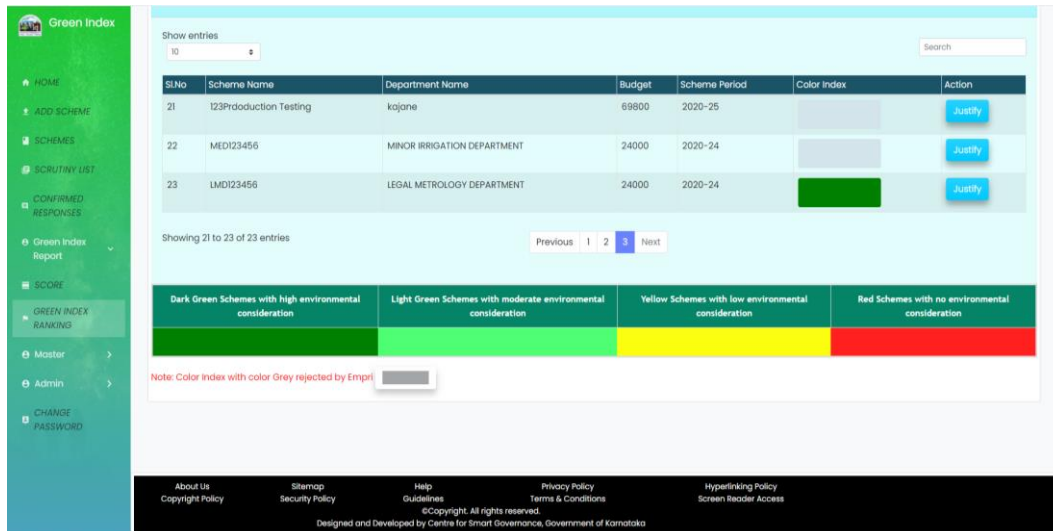
Sl.No	Roles	Total Question Answered	Total Marks	Aggregate Score
1	Energy Efficiency and Renewable Energy	7	28	4
2	Water Use and Conservation	5	17	3.4
3	Waste Generation, Treatment and Management	2	6	3
4	CO2 / Greenhouse Gas Emission and Reduction + Carbon Sequestration (Through Tree Planting Activities)	2	8	4
5	Ecosystem Services: Biodiversity	2	7	3.5
6	Climate Change or Weather Extremes (Disasters): Vulnerability to Climate Related Risks and Adaptation Measures	5	17	3.4

**Green Index Score : 3.61**

The calculated score is displayed along with the colour code



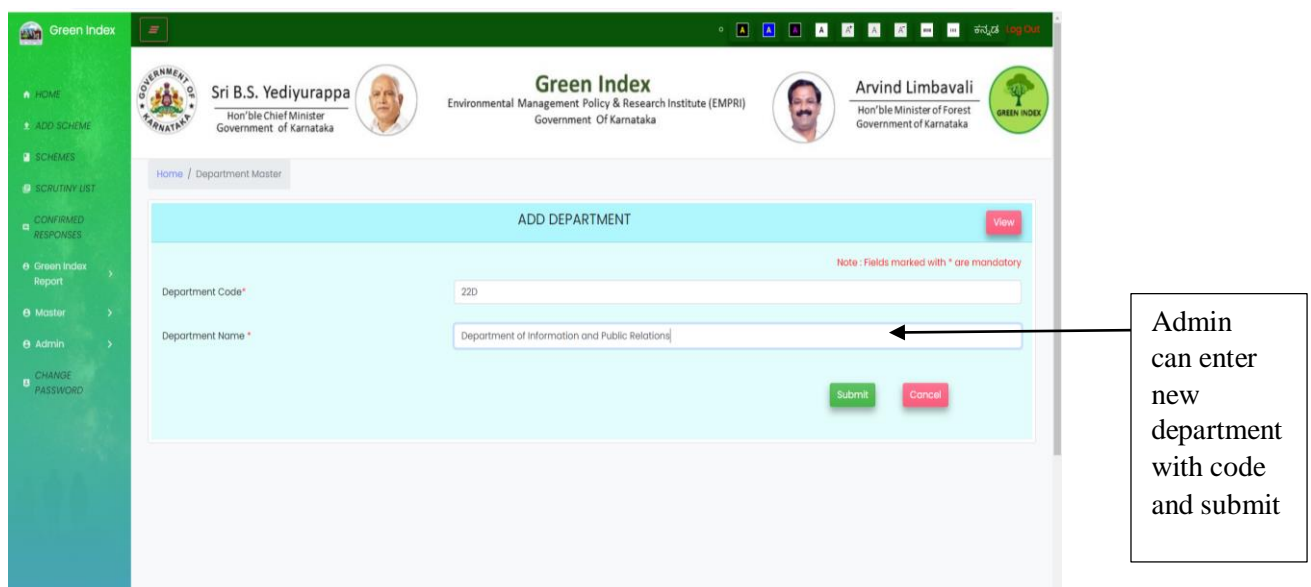
13)The Admin can view the green index ranking along with justification. The display is as below.



The screenshot displays the 'Green Index' dashboard. On the left is a navigation menu with options like HOME, ADD SCHEME, SCHEMES, SCRUTINY LIST, CONFIRMED RESPONSES, Green Index Report, SCORE, GREEN INDEX RANKING, Master, Admin, and CHANGE PASSWORD. The main content area shows a table of schemes with columns for S.No, Scheme Name, Department Name, Budget, Scheme Period, Color Index, and Action. Below the table is a legend for the color index: Dark Green (high consideration), Light Green (moderate), Yellow (low), and Red (no consideration). A note states: 'Note: Color Index with color Grey rejected by Empri'.

S.No	Scheme Name	Department Name	Budget	Scheme Period	Color Index	Action
21	T23Production Testing	kojane	69800	2020-25	Grey	Justify
22	MEDI23456	MINOR IRRIGATION DEPARTMENT	24000	2020-24	Grey	Justify
23	LMDI23456	LEGAL METROLOGY DEPARTMENT	24000	2020-24	Green	Justify

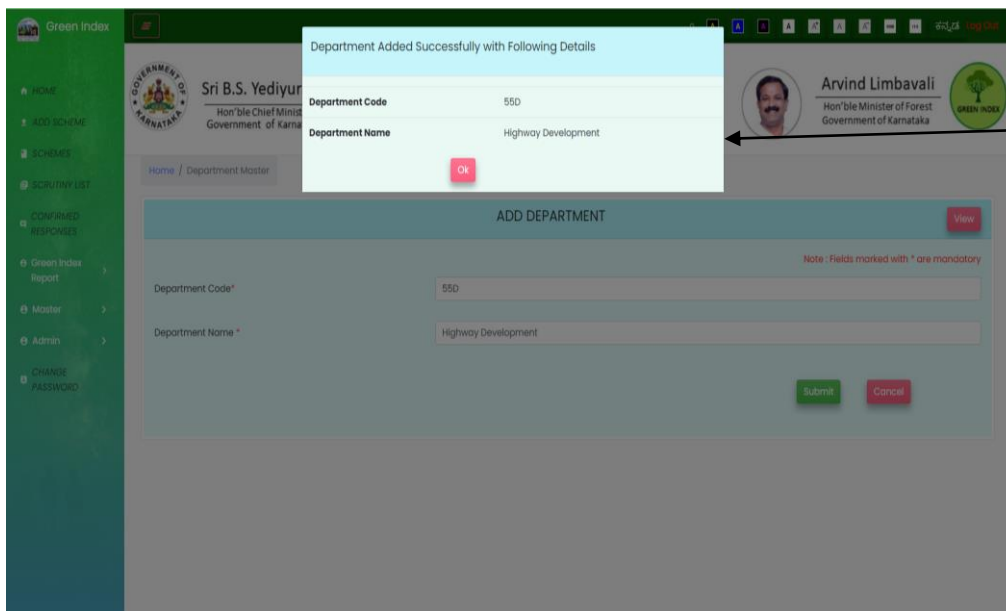
14)Admin can enter new department with code and submit it . The screen display is as below



The screenshot shows the 'ADD DEPARTMENT' form in the Green Index portal. The header includes the Government of Karnataka logo, the name of the Chief Minister (Sri B.S. Yediyurappa), and the name of the Minister (Arvind Limbavali). The form has two input fields: 'Department Code\*' with the value '22D' and 'Department Name\*' with the value 'Department of Information and Public Relations'. A note indicates that fields marked with an asterisk are mandatory. There are 'Submit' and 'Cancel' buttons at the bottom of the form. A callout box on the right points to the Department Name field with the text: 'Admin can enter new department with code and submit'.



15) After submission, A success message is shown stating the department and department code has been added .The screen display is as below .



A success message is shown stating the department and department code has been added

16)List of Department enrolled will be displayed when the Admin clicks the view button . The screen display is as below

