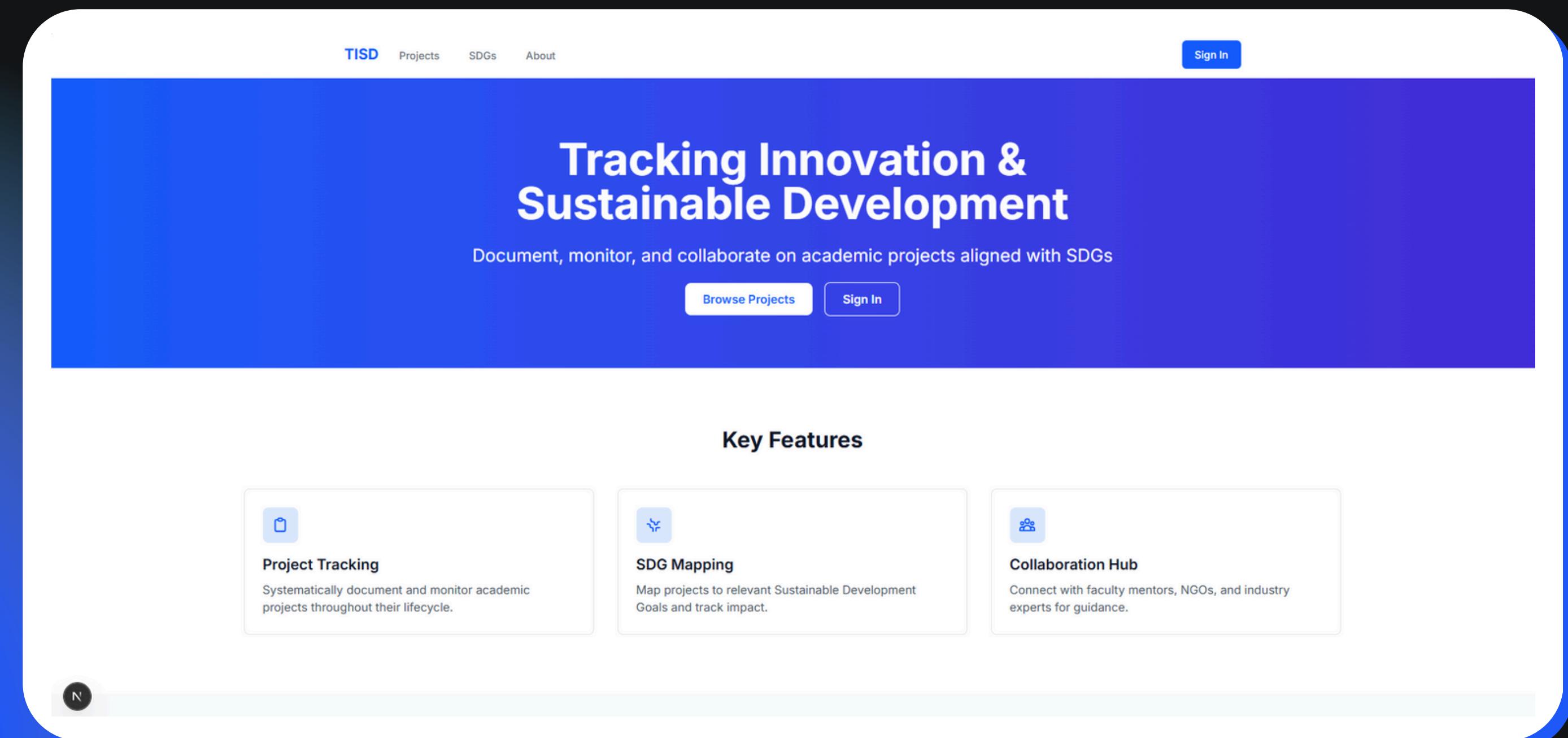


# Presenting **TISD** Group No.19 **WEBSITE**



The image shows a smartphone displaying the homepage of the TISD website. The phone has a white frame and a blue gradient background. At the top, there is a navigation bar with the TISD logo and links for Projects, SDGs, and About. On the right side of the bar is a blue "Sign In" button. The main header features the text "Tracking Innovation & Sustainable Development" in large white font, with a subtitle below it stating "Document, monitor, and collaborate on academic projects aligned with SDGs". Below this, there are two buttons: "Browse Projects" and "Sign In". Underneath the header, the word "Key Features" is centered above three separate boxes. Each box contains an icon, a title, and a brief description. The first box is titled "Project Tracking" with a clipboard icon, describing systematic documentation of academic projects. The second box is titled "SDG Mapping" with a globe icon, describing mapping projects to Sustainable Development Goals. The third box is titled "Collaboration Hub" with a people icon, describing connecting with faculty mentors, NGOs, and industry experts.

**TISD** Projects SDGs About Sign In

## Tracking Innovation & Sustainable Development

Document, monitor, and collaborate on academic projects aligned with SDGs

Browse Projects Sign In

### Key Features

 **Project Tracking**  
Systematically document and monitor academic projects throughout their lifecycle.

 **SDG Mapping**  
Map projects to relevant Sustainable Development Goals and track impact.

 **Collaboration Hub**  
Connect with faculty mentors, NGOs, and industry experts for guidance.

# Presenting **TISD** **WEBSITE**

Main page with simple and neat UI

## About TISD

Empowering academic innovation through sustainable development

### Our Mission

TISD aims to create a transparent and collaborative environment where students, faculty, and industry partners can work together to drive sustainable innovation. By systematically tracking and showcasing academic projects, we facilitate knowledge sharing and impact assessment aligned with global sustainability goals.

- ✓ Streamlined project documentation and tracking system
- ✓ Direct alignment with UN Sustainable Development Goals
- ✓ Facilitated collaboration between academia and industry
- ✓ Enhanced visibility for innovative student projects
- ✓ Data-driven impact assessment and reporting

### Impact Statistics

<b>150+</b> Active Projects	<b>17</b> SDGs Covered
<b>45+</b> Faculty Mentors	<b>25+</b> Industry Partners

**About TISD**

Tracking Innovation & Sustainable Development (TISD) is a platform dedicated to documenting and monitoring academic projects aligned with UN Sustainable Development Goals.

**Quick Links**

- Projects
- SDGs
- Collaborations

**Contact Us**

- Email: [contact@tisd.edu](mailto:contact@tisd.edu)
- Phone: +1 (555) 123-4567

# **TEAM MEMBERS**

10219- Mokshil Satra

10220- Jack Sequeira

10217- Satina Varghese

## All Projects

### Smart Waste Management System

IoT-based solution for efficient waste collection and segregation

Tech Stack:

Python React MongoDB Redis

SDGs:

No Poverty Zero Hunger

Team Size: 1

Duration: 27/4/2025 - 30/4/2025

[View on GitHub →](#)

[View Details →](#)

### Solar-Powered Water Purifier

Sustainable water purification system for rural communities

Tech Stack:

Python React MongoDB Redis

SDGs:

Good Health and Well-being Clean Water and Sanitation  
Affordable and Clean Energy

Team Size: 1

Duration: 24/4/2025 - 8/5/2025

[View on GitHub →](#)

[View Details →](#)

The details include the team members, mentor, project impact along with an option to add a comment and to reach out to the team too

The Projects section lists all the projects in the site with the option to view the details

← Back to Projects

### Smart Waste Management System

IoT-based solution for efficient waste collection and segregation

SDG 11 SDG 12 SDG 13

Computer 2024-2025

Team Members

Gabbar  
Team Leader

Faculty Mentors

NA  
NA

Collaborations

NA  
NA

Project Impact

Waste Reduction  
**40%**

Reduction in waste sent to landfills

Energy Saved  
**25%**

Energy savings through optimized collection

▼ 27 Likes GitHub Documentation View Final Report

Add Testimonial

Add your testimonial

Add Testimonial

Express Interest in Collaboration

TISD Projects SDGs About

Sign In

Sign In

Email

mentor@test.com

Password

.....

Sign In

Need an account? [Sign Up](#)

Sign In'."/>

TISD Projects SDGs About

Sign In

Sign Up

Email

mentor@test.com

Password

.....

Username

Role

Student

Roll Number

Department

Year

Semester

Sign Up

Already have an account? [Sign In](#)

Sign in and Sign up pages  
with complete authentication  
and backend connectivity

My Projects

Create Project

Find Projects

Mentorship

Collaboration

Notifications (3)

# Welcome, Ramesh

Manage your sustainable development projects and track your impact.

## Create New Project

+ New Project

Start a new project and map it to relevant SDGs

### Active Projects

**Smart Waste Management System**

Start: 2025-04-27T00:00:00.000Z End: 2025-04-30T00:00:00.000Z

SDGs: SDG 1, SDG 2

*IoT-based solution for efficient waste collection and segregation*

Pending

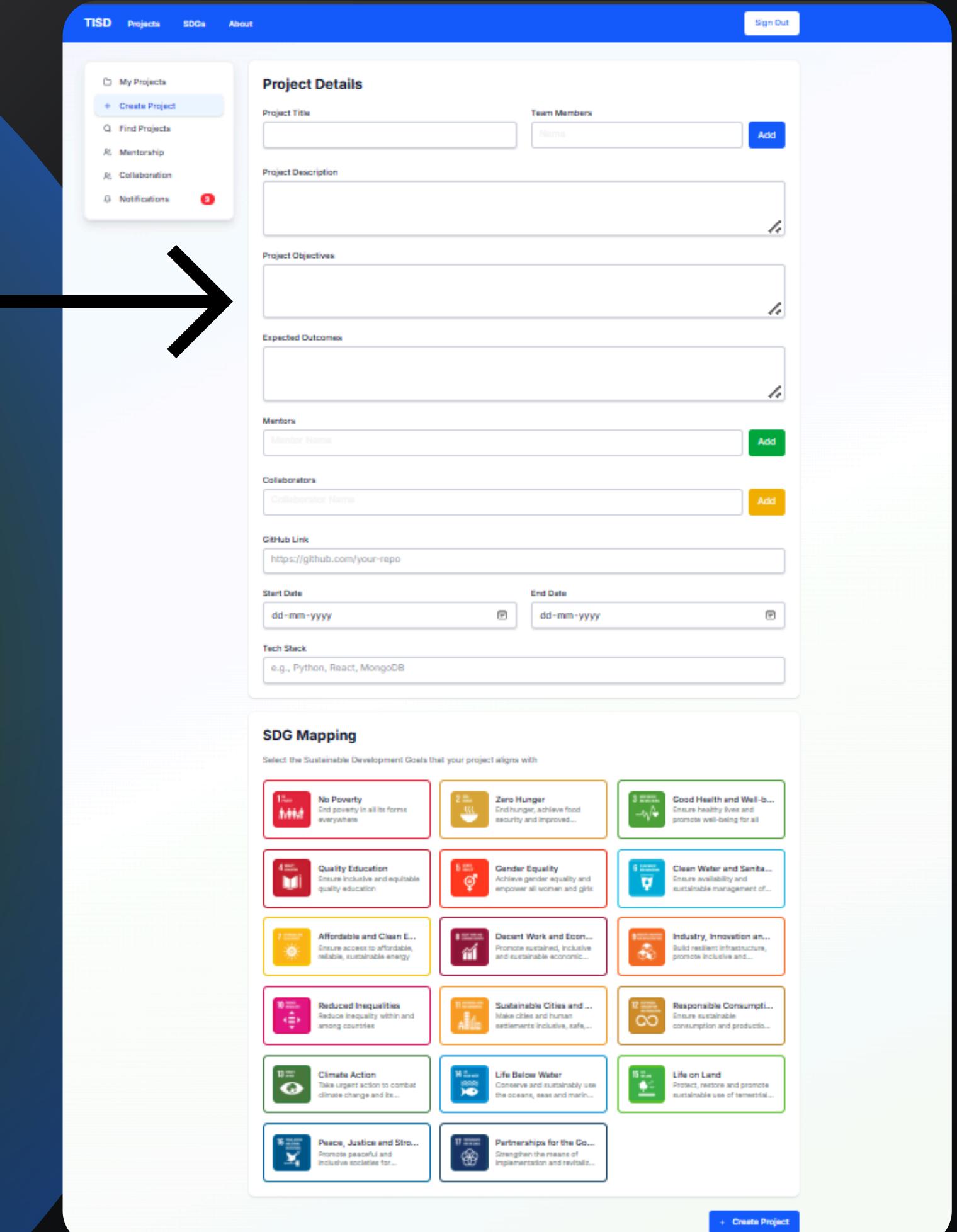
**Solar-Powered Water Purifier**

Start: 2025-04-24T00:00:00.000Z End: 2025-05-08T00:00:00.000Z

SDGs: SDG 3, SDG 6, SDG 7

*Sustainable water purification system for rural communities*

Pending



- The Student dashboard is easy to use for the users. We can view current projects and new projects as desired

# STUDENT DASHBOARD

The screenshot shows the TISD platform's main interface. At the top, there are navigation links: TISD, Projects, SDGs, and About. On the right, there are 'Sign Out' and a search bar labeled 'Search projects by title or description'. Below the search bar is a 'Filters' button. The main content area displays four project cards:

- Smart Water Management System**: Developing an IoT-based system for efficient water usage in urban areas. SDG 6 and SDG 11 are listed. Created 15/3/2024.
- AI for Sustainable Agriculture**: Using machine learning to optimize crop yields and reduce water usage. SDG 2 and SDG 9 are listed. Created 10/3/2024.
- Renewable Energy Dashboard**: A dashboard to monitor and analyze renewable energy production in real-time. SDG 7, SDG 9, and SDG 11 are listed. Created 20/2/2024.
- Healthcare Access Platform**: Connecting rural communities to healthcare providers using telemedicine. SDG 3 and SDG 9 are listed. Created 18/3/2024.

Each project card includes a 'Join Project' button. A sidebar on the left contains links: My Projects, Create Project, Find Projects (highlighted in blue), Mentorship, Collaboration, and Notifications (with a red notification badge).

This section includes a list of all projects in the site for student convenience

The screenshot shows the 'Mentorship Request' form. At the top, there are navigation links: TISD, Projects, SDGs, and About. On the right, there are 'Sign Out' and a search bar labeled 'Select Project'. The form fields include:

- Mentorship Request**
- Project**: A dropdown menu labeled 'Select Project'.
- Mentor Type**: Three options: Industry Expert, NGO Professional, and Faculty Member.
- Mentorship Objectives**: A text area asking 'What do you hope to achieve through mentorship?'.
- Expectations**: A text area asking 'What are your expectations from the mentor?'.
- Preferred Meeting Days**: A grid of checkboxes for days of the week: Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, Sunday.
- Preferred Time Slot**: A dropdown menu labeled 'Select Time Slot'.
- Meeting Frequency**: A dropdown menu labeled 'Select Frequency'.
- Submit Request** button at the bottom.

The mentorship section gives the students a way to enlist for a mentor based on their choices

The collaboration hub gives the user a chance to connect with like minded people based on their skills and field of interest

TISD Projects SDGs About

Sign Out

- My Projects
- Create Project
- Find Projects
- Mentorship
- Collaboration
- Notifications 3

## Collaboration Hub

Find Collaborators

Search by name or bio...

### Skills

- Python
- Machine Learning
- UI/UX Design
- Frontend Development
- Data Science
- Telemedicine
- Node.js
- Content Creation
- Web Development
- Mobile App
- Crowdsourcing

### Interests

- AI
- Sustainability
- Data Science
- Web Development
- Design
- Mentorship
- Education
- Healthcare
- Technology
- Accessibility
- Oceans
- Mobile Development

John Doe ★ 4.5

Student

Passionate about using technology for sustainable development

### Skills

- Python (advanced)
- Machine Learning (intermediate)

### Interests

- AI
- Sustainability
- Data Science

Availability: part-time

Contact

Jane Smith ★ 4.8

Student

Design enthusiast focused on creating sustainable digital solutions

### Skills

- UI/UX Design (advanced)
- Frontend Development (intermediate)

### Interests

- Web Development
- Sustainability
- Design

Availability: flexible

Contact

Carlos Rivera ★ 4.9

Mentor

Experienced data scientist and mentor in AI projects.

### Skills

TISD Projects SDGs About

Sign Out

- My Projects
- Create Project
- Find Projects
- Mentorship
- Collaboration
- Notifications 3

## Notifications

Your project "Smart Water Management System" has been approved! Congratulations!  
From: Admin · 2 hours ago

Great progress on your milestone! Please add more details to the impact section.  
From: Mentor (Dr. Smith) · 5 hours ago

Please submit your project documentation for final review.  
From: Admin · 1 day ago

Your recent work on the AI model has been impressive. Keep it up!  
From: Mentor (Ms. Patel) · 2 days ago

The notification tab helps the users to be up to date about the various schedules, deadlines, submission, etc.

The Mentor Dashboard is a central page designed for mentors. It features a top navigation bar with links to TISD, Projects, SDGs, and About, along with a Sign Out button. Below the navigation is a welcome message "Welcome, Professor Smith!" followed by four status cards: "8 Active Mentees", "3 Projects Mentored", "2 Pending Reviews", and "4 Notifications". The main content area is divided into sections: "Notifications & Alerts" (listing recent activity like milestones submitted and feedback requests), "Active Projects" (showing three projects: Smart Waste Management System, Urban Green Spaces Mapping, and Renewable Energy Education Kit, each with progress bars and team member initials), and a "Mentees At a Glance" section (which is currently empty). A sidebar on the left provides access to Overview, Project Management, Mentee Profiles, Add Mentees, and Expert Network.

# MENTOR DASHBOARD

The mentor dashboard involves an extensive central page that gives a list of the mentees along with the projects under the mentor. It also involves a notification tab to keep the user updated with the workflow.

This screenshot shows the Mentor Dashboard with a focus on the "Mentees At a Glance" and "Upcoming Deadlines" sections. The "Mentees At a Glance" section displays profiles for six mentees: Rahul Sharma (Smart Waste Management System), Priya Patel (Urban Green Spaces Mapping), Anjali Verma (Renewable Energy Education Kit), Siddharth Mehra (Smart Waste Management System), Fatima Noor (Urban Green Spaces Mapping), Meera Nair (Renewable Energy Education Kit), Arjun Desai (Urban Green Spaces Mapping), and Vikram Singh (Smart Waste Management System). Each profile includes a message and profile button. The "Upcoming Deadlines" section lists three tasks: "Testing Phase" (Project: Smart Waste Management System - Due: 20/7/2024), "Final Submission" (Project: Smart Waste Management System - Due: 30/8/2024), and "Platform Beta" (Project: Urban Green Spaces Mapping - Due: 15/7/2024).

**Mentor Dashboard**

**Active Projects**

**+ Add Project**

**Smart Waste Management System** in progress

A M S Progress: 25% 50% 75% 100%

**Urban Green Spaces Mapping** in progress

J T Progress: 25% 50% 75% 100%

**Renewable Energy Education Kit** planning

C M J Progress: 25% 50% 75% 100%

**Manage Deadlines for Renewable Energy Education Kit**

**Current Deadlines**

**Curriculum Design** Due: 1/6/2024 Pending

**Prototype Development** Due: 10/7/2024 Pending

**Add New Deadline**

Deadline Title:  Due Date:  Notes:

**+ Add Deadline**

- The project management section helps the mentors be up to date with the deadlines for the projects under them. and also involves an option to create deadlines for the project groups.
- Upon completing a deadline u can see the progress of the project on the progress bar.

The screenshot shows the Mentor Dashboard under the TISD platform. The left sidebar includes links for Overview, Project Management, Mentee Profiles (which is selected), Add Mentees, and Expert Network. The main area is titled "Mentee Profiles" and displays eight profiles in a grid:

- Rahul Sharma** (Indian Institute of Technology, Computer Science) - Project: Smart Waste Management System, Joined: 15/1/2024, Skills: IoT, Python, Data Analysis.
- Priya Patel** (National Institute of Technology, Environmental Engineering) - Project: Urban Green Spaces Mapping, Joined: 20/2/2024, Skills: Machine Learning, GIS, Python.
- Anjali Verma** (Delhi University, Physics) - Project: Renewable Energy Education Kit, Joined: 10/3/2024, Skills: STEM, Renewable Energy, Teaching.
- Siddharth Mehra** (BITS Pilani, Electronics) - Project: Smart Waste Management System, Joined: 5/4/2024, Skills: IoT, Hardware, C++.
- Fatima Noor** (Jamia Millia Islamia, Geography) - Project: Urban Green Spaces Mapping, Joined: 12/5/2024, Skills: GIS, Remote Sensing, AI.
- Vikram Singh** (IIT Kanpur, Mechanical Engineering) - Project: Smart Waste Management System, Joined: 1/6/2024, Skills: Sensors, JavaScript, Logistics.
- Meera Nair** (Anna University, Electrical Engineering) - Project: Renewable Energy Education Kit, Joined: 10/6/2024, Skills: Education, Solar Energy, Arduino.
- Arjun Desai** (Mumbai University, Civil Engineering) - Project: Urban Green Spaces Mapping, Joined: 15/6/2024, Skills: Mapping, Python, Data Visualization.

- The Mentee profile and add mentee helps the mentor keep track of their mentees.
- The mentee profile shows all the details of the mentee from the skills to contact details.
- The add mentees asks the details and then stores the data in the database, which can be fetched by the mentee profiles.

The screenshot shows the "Add New Mentee" form on the Mentor Dashboard. The left sidebar includes links for Overview, Project Management, Mentee Profiles, Add Mentees (which is selected), and Expert Network. The main form has fields for Full Name, Email, Phone Number, College/University, Department, Assigned Project, Join Date, and Skills. A "Add" button is at the bottom right.

**Add New Mentee**

Full Name	Email
Enter mentee's full name	Enter mentee's email
Phone Number	College/University
Enter mentee's phone number	Enter college/university name
Department	Assigned Project
Enter department	Select a project
Join Date	
30-04-2025	(calendar icon)
Skills	
Add a skill	Add

**Add Mentee**

The expert network involves a list of experts in the website that the mentor can connect and collaborate with for a project

The screenshot shows the TISD Mentor Dashboard. At the top, there is a navigation bar with links for TISD, Projects, SDGs, About, and Sign Out. On the left, a sidebar menu includes Overview, Project Management, Mentee Profiles, Add Mentees, and Expert Network, with the Expert Network option currently selected. The main content area displays a grid of six expert profiles, each with a profile picture, name, organization, expertise tags, and contact buttons for Email, Call, and Collaborate.

- Dr. Sarah Chen**  
GreenTech Solutions  
IoT, Waste Management, Circular Economy  
Email, Call, Collaborate
- Prof. James Wilson**  
University of Tech  
Renewable Energy, Urban Planning, Policy  
Email, Call, Collaborate
- Dr. Aisha Mohammed**  
Global Earth Observatory  
AI, Remote Sensing, Environmental Science  
Email, Collaborate
- Dr. Carlos Mendez**  
Future Innovators Lab  
STEM Education, Renewable Energy, Product Design  
Email, Call, Collaborate
- Dr. Emily Zhang**  
EcoPolicy Institute  
Climate Change, Sustainability, Policy  
Email, Call, Collaborate
- Prof. Omar Farouk**  
Cairo University  
Water Management, Civil Engineering, GIS  
Email, Call, Collaborate

# ADMIN DASHBOARD

TISD Projects SDGs About Sign Out

Admin Dashboard Dashboard + Quick Action

Dashboard

System Notifications All systems operational.

42 Projects

7 Pending Approvals

18 Active Projects

Recent User Signups

Yash Agarwal yash.agarwal@example.com	Admin Inactive
Harshita Singh harshita.singh@example.com	Collaborator Active
Priyanka Das priyanka.das@example.com	Mentor Active
Nikhil Jain nikhil.jain@example.com	Student Inactive
Shreya Ghosh shreya.ghosh@example.com	Admin Active

Recent Project Submissions

Smart Waste Management Lead: Tanvi Rao	Active
Urban Green Spaces Lead: Karan Mehta	Completed
Renewable Energy Kit Lead: Sneha Pillai	Active
Water Conservation Lead: Ritesh Kumar	Pending
Plastic Recycling Lead: Aarav Shah	Active

Pending Actions

Divya Menon	Pending Approval
Water Conservation	Pending Review
Vikas Dubey	Pending Approval

N

**TISD** Projects SDGs About Sign Out + Quick Action

**Admin Dashboard**

**Users & Roles**

Search by name or email... All All All

NAME	EMAIL	ROLE	YEAR	DEPARTMENT	STATUS	ACTIONS
Rahul Sharma	rahul@example.com	Student	2024	Computer Science	Active	Edit Change Role Deactivate
Priya Patel	priya@example.com	Mentor	2023	Environmental Engineering	Active	Edit Change Role Deactivate
Anjali Verma	anjali@example.com	Admin	2024	Physics	Active	Edit Change Role Deactivate
Siddharth Mehra	siddharth@example.com	Student	2022	Electronics	Inactive	Edit Change Role Activate
Fatima Noor	fatima@example.com	Mentor	2023	Geography	Active	Edit Change Role Deactivate
Vikram Singh	vikram@example.com	Collaborator	2024	Mechanical Engineering	Active	Edit Change Role Deactivate
Meera Nair	meera@example.com	Student	2022	Electrical Engineering	Active	Edit Change Role Deactivate
Arjun Desai	arjun@example.com	Mentor	2023	Civil Engineering	Inactive	Edit Change Role Activate
Sara Khan	sara@example.com	Admin	2024	Physics	Active	Edit Change Role Deactivate
Rohan Gupta	rohan@example.com	Student	2023	Computer Science	Active	Edit Change Role Deactivate

Dashboard Users & Roles Project Approvals Collaborations Reports Testimonials Assessment Activities

**TISD** Projects SDGs About Sign Out + Quick Action

**Admin Dashboard**

**Project Approvals**

**Pending Project Approvals**

PROJECT TITLE	TEAM LEAD	SUBMISSION DATE	STATUS	ACTIONS
Smart Waste Management	Tanvi Rao	2025-04-20	Pending	Approve Reject
Renewable Energy Kit	Sneha Pillai	2025-04-15	Pending	Approve Reject
Solar Panel Initiative	Divya Menon	2025-04-05	Pending	Approve Reject

**All Projects**

PROJECT TITLE	TEAM LEAD	SUBMISSION DATE	STATUS
Smart Waste Management	Tanvi Rao	2025-04-20	Pending
Urban Green Spaces	Karan Mehta	2025-04-18	Approved
Renewable Energy Kit	Sneha Pillai	2025-04-15	Pending
Water Conservation	Ritesh Kumar	2025-04-10	Rejected

Dashboard Users & Roles Project Approvals Collaborations Reports Testimonials Assessment Activities

Few of the main functions provided to the admin are

- to view the logged in users and profiles with the ability to edit or deactivate accounts;
- approving submitted projects
- approving collaboration requests between the students and the collaborators

**TISD** Projects SDGs About Sign Out + Quick Action

**Dashboard**

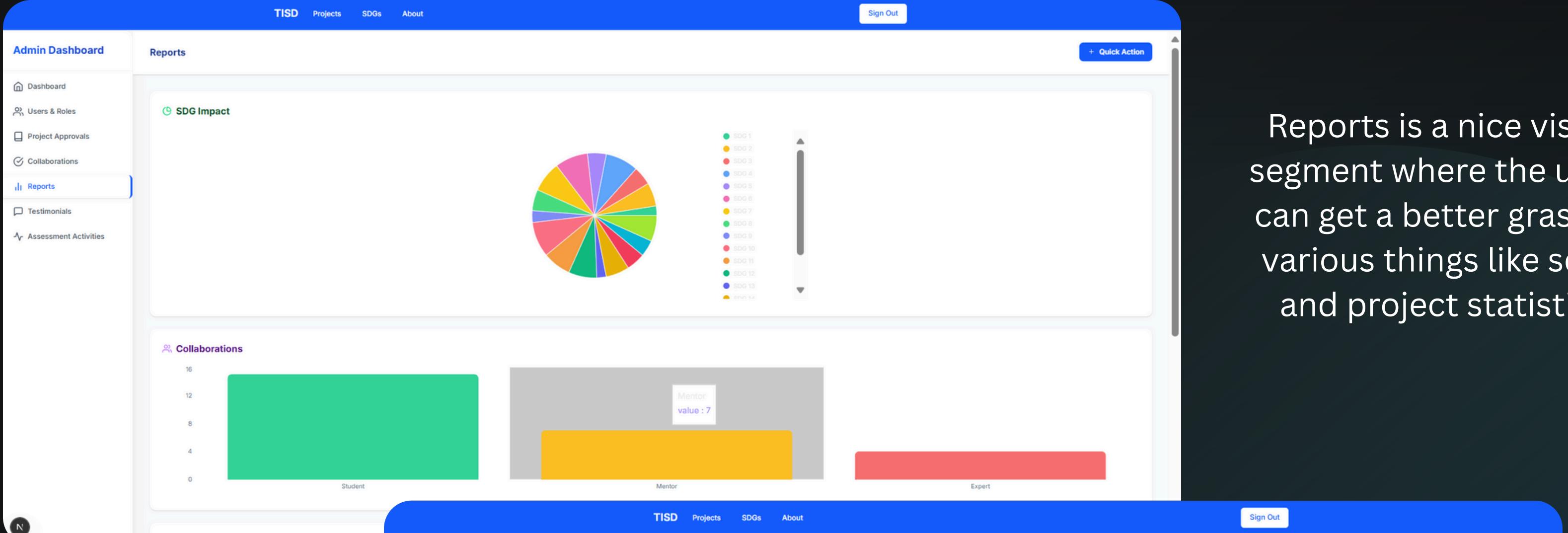
**Collaborations**

**Collaboration Requests**

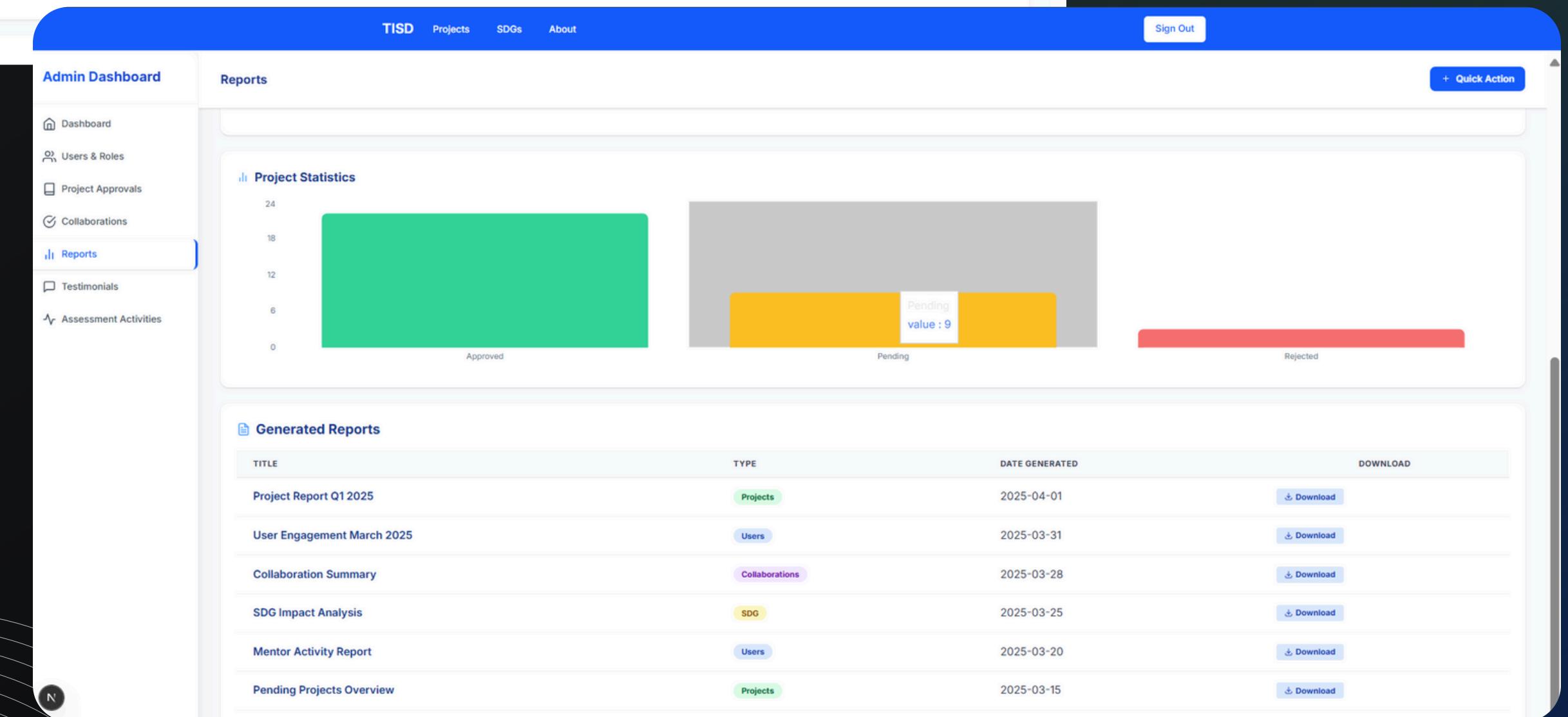
PROJECT TITLE	REQUESTER NAME	REQUESTER TYPE	CONTACT INFO	DATE OF REQUEST	STATUS	ACTIONS
Smart Waste Management	Tanvi Rao	Student	tanvi.rao@example.com	2025-04-21	Pending	Approve Reject Contact
Urban Green Spaces	GreenTech Solutions	Expert	contact@greentech.com	2025-04-20	Pending	Approve Reject Contact
Plastic Recycling	Sneha Pillai	Student	sneha.pillai@example.com	2025-04-17	Pending	Approve Reject Contact

**Pending Mentorship Requests**

PROJECT TITLE	STUDENT NAME	REQUESTED MENTOR	DATE OF REQUEST	STATUS	ACTIONS
Smart Waste Management	Tanvi Rao	Dr. Smith	2025-04-20	Pending	Approve Reject
Renewable Energy Kit	Sneha Pillai	Dr. Lee	2025-04-15	Pending	Approve Reject
Plastic Recycling	Aarav Shah	Dr. Patel	2025-04-08	Pending	Approve Reject



Reports is a nice visual segment where the users can get a better grasp of various things like sdg's and project statistics



This section gives the admin statistical data to work on

**TISD** Projects SDGs About Sign Out + Quick Action

**Admin Dashboard**

- Dashboard
- Users & Roles
- Project Approvals
- Collaborations
- Reports
- Testimonials**
- Assessment Activities

**Testimonials**

**Comments & Feedback**

USER NAME	ROLE	COMMENT	DATE	ACTIONS
Rahul Sharma	Student	Great mentorship experience!	2025-04-20	Delete
Priya Patel	Mentor	Impressed by the project quality.	2025-04-18	Delete
Anjali Verma	Admin	System is easy to use.	2025-04-15	Delete
Siddharth Mehra	Student	Would love more collaboration features.	2025-04-12	Delete
Fatima Noor	Mentor	Excellent support from the team.	2025-04-10	Delete
Vikram Singh	Collaborator	Collaboration process was smooth and efficient.	2025-04-09	Delete
Meera Nair	Student	The dashboard UI is very intuitive.	2025-04-08	Delete
Arjun Desai	Mentor	Appreciate the timely updates and notifications.	2025-04-07	Delete
Sara Khan	Admin	Would like to see more analytics features.	2025-04-06	Delete
Rohan Gupta	Student	Easy to submit projects and track progress.	2025-04-05	Delete
Neha Joshi	Collaborator	Great platform for connecting with students.	2025-04-04	Delete
Amit Patel	Mentor	Mentorship requests are well organized.	2025-04-03	Delete

Testimonials gives the admin better user control by being able to view and delete malicious comments from accounts.

**TISD** Projects SDGs About Sign Out + Quick Action

**Admin Dashboard**

- Dashboard
- Users & Roles
- Project Approvals
- Collaborations
- Reports
- Testimonials
- Assessment Activities**

**Assessment Activities**

ACTIVITY NAME	TYPE	RELATED PROJECT	DATE	STATUS	ACTIONS
Phase 1 Submission	Phase 1	Smart Waste Management	2025-04-22	Scheduled	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
Phase 2 Review	Phase 2	Urban Green Spaces	2025-04-18	Completed	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
Final Evaluation	Final	Renewable Energy Kit	2025-04-15	Pending	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
Phase 1 Submission	Phase 1	Water Conservation	2025-04-12	Scheduled	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
Phase 2 Review	Phase 2	Plastic Recycling	2025-04-10	Completed	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
Demo Day	Demo	Solar Panel Initiative	2025-04-08	Pending	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
Phase 1 Submission	Phase 1	E-Waste Management	2025-04-06	Completed	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
Phase 2 Review	Phase 2	Rainwater Harvesting	2025-04-04	Scheduled	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
Final Evaluation	Final	Green Campus Initiative	2025-04-02	Pending	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
Demo Day	Demo	Plastic to Fuel	2025-03-30	Completed	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
Phase 1 Submission	Phase 1	Smart Irrigation	2025-03-28	Scheduled	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>
Phase 2 Review	Phase 2	Clean Air Project	2025-03-26	Completed	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>

Here the admin can view assigned deadlines which can be logged and reviewed anytime

# COLLABORATOR DASHBOARD

The screenshot shows the Collaborator Dashboard. At the top, there's a navigation bar with links for TISD, Projects, SDGs, and About, along with a Sign Out button. Below the navigation is a header titled "Collaborator Dashboard" with a welcome message "Welcome back, mentor". There are three main tabs: "Projects" (which is active and highlighted in blue), "Collaborations", and "Resources". A search bar labeled "Search projects..." is positioned above the project list. The "Available Projects" section displays four projects:

- AI for Sustainable Agriculture**: Developing machine learning models to optimize crop yields. Status: active. Year: 2023. Department: Computer Science. SDG: SDG 2: Zero Hunger. Project leads: D (Dr. Sarah Chen) and R (Raj Patel). View details.
- Renewable Energy Monitoring**: IoT system for monitoring renewable energy installations. Status: active. Year: 2024. Department: Electronic and Computer Science. SDG: SDG 7: Affordable Energy. Project lead: P (Raj Patel). View details.
- Water Purification Tech**: Low-cost water purification for rural communities. Status: active. Year: 2022. Department: Mechanical Engineering. SDG: SDG 6: Clean Water. Project lead: D (Dr. Sarah Chen). View details.
- Healthcare Access Platform**: Digital platform for remote healthcare access. Status: active. Year: 2023. Department: AIDS. SDG: SDG 3: Good Health. Project lead: D (Dr. Sarah Chen). View details.

This section involves a list of the projects that are on the website, the collaborator can view these and also connect with the ones they find interest in.

A modal window is open for the "AI for Sustainable Agriculture" project. It has a close button in the top right corner. The left side of the modal contains the project description and details, while the right side contains a sidebar with project details.

**AI for Sustainable Agriculture**

**Project Description**

This project focuses on creating AI models that analyze soil conditions, weather patterns, and crop health to provide farmers with actionable insights. Our goal is to reduce water consumption by 30% while maintaining or increasing yields.

**Project Details**

- Year: 2023
- Department: Computer Science
- SDG: SDG 2: Zero Hunger
- Status: Active

**Project Team**

Dr. Sarah Chen Lead Researcher <a href="#">View Profile</a>	Raj Patel ML Engineer <a href="#">View Profile</a>
---	--

[Close](#) [Join Project](#)

To view current collaborations



TISD Projects SDGs About Sign Out

## Collaborator Dashboard

Welcome back, mentor

Projects Collaborations Resources

### My Collaborations

**AI for Sustainable Agriculture**  
Role: Data Analyst  
Started: 15/3/2023 Commitment: 10 hours/week  
D R View details ↗

**Renewable Energy Monitoring**  
Role: Software Developer  
Started: 10/1/2024 Commitment: 15 hours/week  
P View details ↗

**Healthcare Access Platform**  
Role: UI/UX Designer  
Started: 1/8/2022 Ended: 30/5/2023 Commitment: 8 hours/week  
D View details ↗

To keep a track of the resources used by projects like online files, pdfs, zip files etc.

TISD Projects SDGs About Sign Out

## Collaborator Dashboard

Welcome back, mentor

Projects Collaborations Resources

### Project Resources

**Project Management Guidelines** Document  
Comprehensive guidelines for managing collaborati...  
Uploaded by: Dr. Sarah Chen  
Date: 10/4/2023  
Project: AI for Sustainable Agriculture  
View details Download ↴

**SDG Implementation Framework** Link  
Official framework for implementing SDGs in academ...  
Uploaded by: University Research Office  
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# BACKEND

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	id	username	email	password	userType	isActive	createdAt
1	1	jack	jack@mail.com	\$2a\$10\$dikG2mJhEuBVV72F9pm5zumL.7IWclhGvi...	student	1	2025-04-27
2							

This project uses a SQL database with Sequelize as the ORM to manage data efficiently and securely through JS objects.

Grafana

Home Dashboards Node.js and Express Metrics

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Instance host.containers.internal:5000 Interval 1m target +Inf tolerated +Inf restarts\_interval 1d Last 6 hours Refresh 5s

Apdex Score: target +Inf s, tolerated +Inf s QPS Requests Error Transferred Transfer Rate Restarts in 1d

N/A N/A N/A N/A N/A N/A N/A N/A

Node.js Process

Rate of CPU Time Spent

Process Memory

Event Loop Latency

Active Handlers/Requests

Node.js Garbage Collection

Rate of Garbage Collection Duration

Rate of Garbage Collection

SQLITE VIE... v0.10.5 Page 1 / 1

Prometheus is integrated for real-time metrics collection, and Grafana is used for visualizing system performance through interactive dashboards.

# THANK YOU