

HIT Projects Center (Specification document)

<https://hit-projects-center.com>

introduction

hit projects center is a management system for every project that comes out of the institute. The site allows for full management, supervision and control of student progress, registration, statistics, tracking, uploading products, and more.

The purpose of the document: is to provide a complete characterization of our website. While presenting the value to the organization and the Technological Institute. The document presents: technical details, user interface, integration points, functionality, security considerations, deployment strategy and any relevant legal or regulatory requirements.

Including: This document contains the entire scope of the project set, including the target audience, platforms, architecture, data management, performance, accessibility, and maintenance.

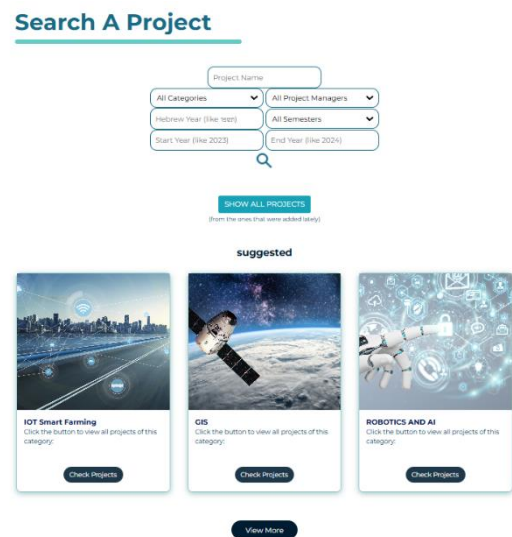
App Review

Target Audience/Users: The website development is designed to provide a solution for the program's instructors, administrators, coordinators, and students.
Website users: admin, instructor, student.

Main features

Feature 1: Project presentation.

This feature allows users to be interested in new projects offered by the institute. On the first page (in the picture), you can search for projects that have been completed at the college. There is an option to search by: category, year, name, supervisor, and more. The finished project page shows projects that have products. That is, files have been uploaded to the site and there is a GIT link where you can access the product.



The site also serves as an archive and reference system for projects that have already been completed at the institute. Thus, anyone can log in and see the impressive products of the students at the institute.

Students can also access and see the products of other students, and thus be impressed by the experience that can be gained by participating in the project.

As part of submitting the products, students are now required to also submit a presentation and a YouTube video, in order to easily present the project on the site.



Project Name	Project Guide	Year	Semesters	START YEAR	END YEAR	Category	AREA	Files
BLOCKCHAIN	Roi Zimon	תשפ"ד	1st & 2nd	2023	2024	Cyber	Industry	  
Cloud Attacks	Roi Zimon	תשפ"ד	1st & 2nd	2023	2024	Cyber	Industry	
Development of a routine maintenance managerial system	Tal Gumai	תשפ"ג	2nd & 3rd	2023	2023	Full Stack	Industry	  
GIS	Mark Israel	תשפ"ב	1st & 2nd	2021	2022	GIS	Industry	  

Choose a Project

Feature 2: Showing new projects before registration.

Projects for the **1st & 2nd** Semester
Projects below last 2 semesters

A few weeks before the start of the semester, you can open the available projects page and see what new projects have been uploaded. In the tables you can see who the supervisor is, and to which category the project belongs. Student that interested in a project in a specific field, can choose to show only projects in his field of interest.

PROJECT NAME	PROJECT MANAGER	YEAR	SPECIFIC SEMESTERS	START YEAR	END YEAR	CATEGORY	INDUSTRY OR SCIENTIFIC	CAPACITY	DESCRIPTION
AR - Generic Smart Campus Navigation System	Eran Katzav	תשפ"ד	1st & 2nd	2024	2025	AR - Augmented Reality	Industry	OPEN	
medical application multi platform	Eran Katzav	תשפ"ד	1st & 2nd	2024	2025	Full Stack	Industry	OPEN	

Feature 3: Project Registration.

The system allows students to open a user on the sign up page or through the available projects page while reading the proposed projects.

After registration, all of the student's information is associated with the project they have chosen. As long as the project is still proposed, the student can cancel his registration on "my In accordance with the institute's procedures - a student will not be able to projects" page. register for 2 projects at the same time, the system will prevent him from doing so).

The security mechanisms of the projects website will store an encrypted version of the student's password, in order to increase security and protect the student's private information.

Feature 4: Student Profile.

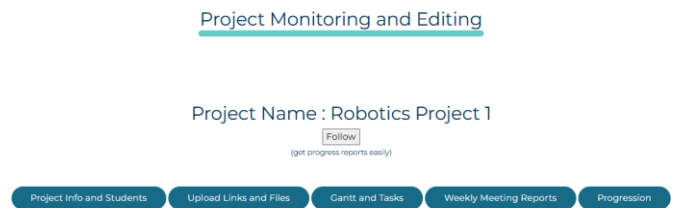
A registered student can log in to the my projects page and see the projects they are associated with, and the assignments they have received.
In addition, the student must report attendance at team meetings through this page.
If there is a meeting in the project at the moment, the page will show them the attendance mark button.

Feature 5: Project Management.

An Admin user can edit a project - add and delete projects, and decide on the association of a supervisor to the project.
A supervisor can only edit projects that are associated with him.
The manage projects page displays all projects.
There you can download an excel of all registrations by semester and year.
You can also search for a project by various criteria.

Feature 6: Project Editing.

Clicking on the project row opens the project management page. Project management is divided into tabs.



The FOLLOW button tracks the project. It will be easy for managers to track the upload of deliverables and documents.

To get there, go to MANAGE PROJECT and then to PROGRESS REPORTS-

And this is how it looks:

Overview of Followed Projects

Here you can view the progress of projects that are important to the admins. You can view below meetings log, status of mandatory documents and alerts for missing tasks.

To follow a project: Enter the manage projects page -> Choose a project -> Click the follow button under the name of the project.

[Unfollow All Projects](#)

Fintech - Smart Digital Wallet

Initiation Doc : **Missing**
Requirements Doc : **Missing**
Specification Doc : **Missing**
Git : Received
Video : **Missing**
PPT : **Missing**
Poster : **Missing**
Final Documentation : **Missing**
Final Product : **Missing**

Feature 7: Information - INFO.

Here you can edit the information about the project, see who the participants are and who the lecturer is.

Students

[Add Student](#)

name	phone	id	email	REMOVE
Paz Elisha	0523363177	206845570	paz.elisha@gmail.com	REMOVE STUDENT

Manager

[Assign a Manager](#)

Feature 8: Files - FILES.

On this page you can upload all the project files and a ZIP- with the final product.

Upload at the end of a project

[Manage Git | Upload Git Link |](#)
[Upload Video Link |](#)
[Upload Presentation |](#)
[Upload Documentation |](#)
[Upload Poster |](#)

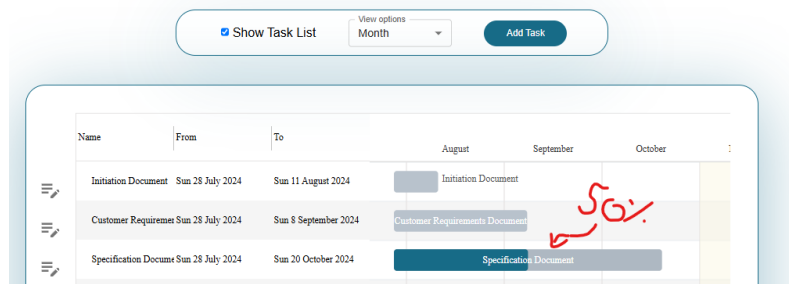
Upload .zip of all the code

No file chosen

Feature 9: Tasks and Gantt- TASKS AND GANTT.

In Gantt- you can see and edit visually all the tasks until the project end. You can drag the PROGRESSION of each task. If for example 50% of the task is completed- you can see this in the Gantt. This part is very significant for tracking the progress of the project- for the institute and partnership company.

Progression



Feature 10: Cards

Each task has a card so you can know if the task has been completed, you can also assign a task to a student/delete a task.

Tasks

[Add a task to this project](#)

Specification Document

Go to information tab for more...

Start Development: 2024-07-28
Deadline: 2024-10-20
Status: **Not Completed**

[Done](#) [Delete Task](#) [Responsibilities](#)

Customer Requirements Document

Go to information tab for more...

Start Development: 2024-07-28
Deadline: 2024-09-08
Status: **Not Completed**

[Done](#) [Delete Task](#) [Responsibilities](#)

Initiation Document

Go to information tab for more...

Start Development: 2024-07-28
Deadline: 2024-08-11
Status: **Not Completed**

[Done](#) [Delete Task](#) [Responsibilities](#)

Each project must present 3 development documents and mark them as sent to the supervisor.

As soon as the supervisor receives them, he must mark them as such. Otherwise, the site administrators will understand that the project has not been initiated/has not progressed as planned according to the milestones.

Alerts

- DEADLINE PASSED! - Task: Specification Document - Deadline - 2024-10-20
- DEADLINE PASSED! - Task: Customer Requirements Document - Deadline - 2024-09-08
- DEADLINE PASSED! - Task: Initiation Document - Deadline - 2024-08-11

Mandatory Documents

Please **check** and **submit** when the documents are received from the students.

- Initiation document
- Customer Requirements document
- Specification document

Don't forget to submit: [Update Received Documents](#)

Feature 11: Meetings – MEETINGS.

On the meetings page you can see a meeting calendar opened by Eliel (without using an external library).

You can plan future meetings and see meetings that have taken place- by clicking on the day of the month.

The LIVEMEETINGS mechanism starts a meeting live- and students need to confirm on MY PROJECTS page that they are in the meeting.

Through MY PROJECTS page they can also see the link to Zoom (assuming the instructor uploaded a link to the site).

On PREVIOUS LIVE MEETINGS page you can see who attended the meeting.

New Meetings Calendar

2024		11		Update		
					1/11/2024 Friday Planned Meetings	2/11/2024 Saturday
3/11/2024 Sunday	4/11/2024 Monday	5/11/2024 Tuesday	6/11/2024 Wednesday	7/11/2024 Thursday	8/11/2024 Friday	9/11/2024 Saturday
10/11/2024 Sunday	11/11/2024 Monday	12/11/2024 Tuesday	13/11/2024 Wednesday	14/11/2024 Thursday	15/11/2024 Friday	16/11/2024 Saturday
17/11/2024 Sunday	18/11/2024 Monday	19/11/2024 Tuesday	20/11/2024 Wednesday	21/11/2024 Thursday	22/11/2024 Friday	23/11/2024 Saturday
24/11/2024 Sunday Previous Live Meetings	25/11/2024 Monday	26/11/2024 Tuesday	27/11/2024 Wednesday	28/11/2024 Thursday	29/11/2024 Friday	

Planned Meeting ID : 2
project ID : 288
date : 2024-11-01
time : 10:00

Add Meeting:

1 / 11 / 2024

10:00 Add Meeting

Feature 12: PROGRESSION.

You can see in a pie chart the number of tasks that completed by each student (out of several tasks he had). In addition, we can see how many meetings he attended out of the number of meetings in the project.

You can see in a pie chart the number of tasks completed by each student out of the total tasks assigned to him.

The page is updated regularly after each completed meeting/task.

This page provides great value to the administrators of the system and the supervisors, we can monitor the student's grade, understand the involvement of each of the participants, as well as the supervisor's conduct.

1. Perfect student
2. Student with a lack of tasks and a lack of attendance
3. Student with a lack of tasks who did not receive tasks and a lack of attendance

Under each pie chart, the student's status is written with the name

