

MIT OFFICIAL WEBSITE

In-House Project (B8)

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Introduction

This is a web-oriented application that allows us to access the whole information about the college, staff, facilities. This application provides a virtual tour of the campus. Here we will get the latest information about the college. This generic application is designed for assisting the students of an institute regarding the information on the courses, subjects, timetable, transportation, hostel, E-Resource, and cafeteria. This application also includes calls to action(contact to college).

A decorative graphic on the left side of the slide consisting of two overlapping squares. The front square is a medium blue and is positioned slightly higher and to the right. The back square is a darker blue and is positioned slightly lower and to the left.

Motivation

Building a website for our college is valuable. Having a website means our college can be seen by many people out there so that students from different places can get information about our college, the good thing is that people can access our website in a 24/7 manner. There are numerous things to learn when it comes to website building. This website allows us to discover a new area of computing not covered in academics.

Existing System

- The existing system merely contains college details but the website is a bit too complex and has a lot going on the user has difficulty in accessing some required information.
- Teachers or Students have no option to log in. This forces the students to have to go through the complex home page to get what he needs which can be any new notification or digital notes similarly the teachers too face their own problems.
- The major drawback of this website is the user cannot directly enquire about the college, that is there is no proper interaction that can be done through the website.

Proposed System

- MIT Official website has an easy-to-use user interface and each module has different features. As a result, multiple users have access to data in a module
- This is a user-friendly website, where users can enquire directly about the college through MIT assistance.
- Teachers and Students can log in through email so that they get an email about the latest updates and events. These enhancements makes the website much more simpler than it used to be . All the details are now not congested into one place but we have different users having different interfaces based on their need .
- An additional feature is that through this website student's and staff's can generate their college id .

Project Description:

Features: On this website, one can access the complete information about the college such as department, courses offered, employee, admission procedure, E-resources, placements, college events, latest news, transportation details.

Functions:

- **Department:** A department is a collection of faculty organized into a unit for management and course planning purposes. This website will provide the details about departments within a college.
- **Courses Offered:** This will provide the details about the courses offered by the college and subjects.
- **Admission:** This will provide the details about admission approval process, eligibility criteria, branch wise seat availability and fee payment details.

- **Placements:** This provides the details about placement team, activities, recruiters, students who got placed and their count.
- **Employee Details:** This will help in maintaining complete information about teaching and non-teaching staff (name, year of joining, education, etc) of the college.
- **E-Resources:** This will help students to access e-notes of every subject irrespective of the course. Resources can be updated whenever it is required.
- **Latest News and Events:** This facility will notify students about latest news in the college and will also give information about different events that will be conducted by the college from time to time.
- **Transportation Details:** This provides details about bus routes, bus number, driver details like name and phone number.

- **MIT Assistance**- Here users can directly enquire about the college, admission process.
- **Campus life:**
 - **Sports**- Physical Education Department provides the facility details, member details, and achievements.
 - **Cafeteria**- Contains details of canteen and MIT stores.
 - **Hostel**- This will help us to know the details of the hostel like the number of rooms available, students, admission process.
 - **NSS**- It will provide NSS and Youth Red Cross Cell details.
 - **Internet**- This will provide us the details of the number of computers, printers, projectors, etc available in the college.

Project Objectives

1. Attract new people by adding college's mission and vision expressed in a strong unified institutional image.
2. Well organized content, user-friendly site, effective calls to action.
3. Providing quality content on our website, regularly adding latest news, establishing trust.
4. Accessible for everyone from anywhere.

Functional Requirements

- Users can login as student or staff.
- Students can download the e-notes available in the website.
- Students can get the details about fee payment process.
- Other users can go through the college details and enquire about the admission procedures .

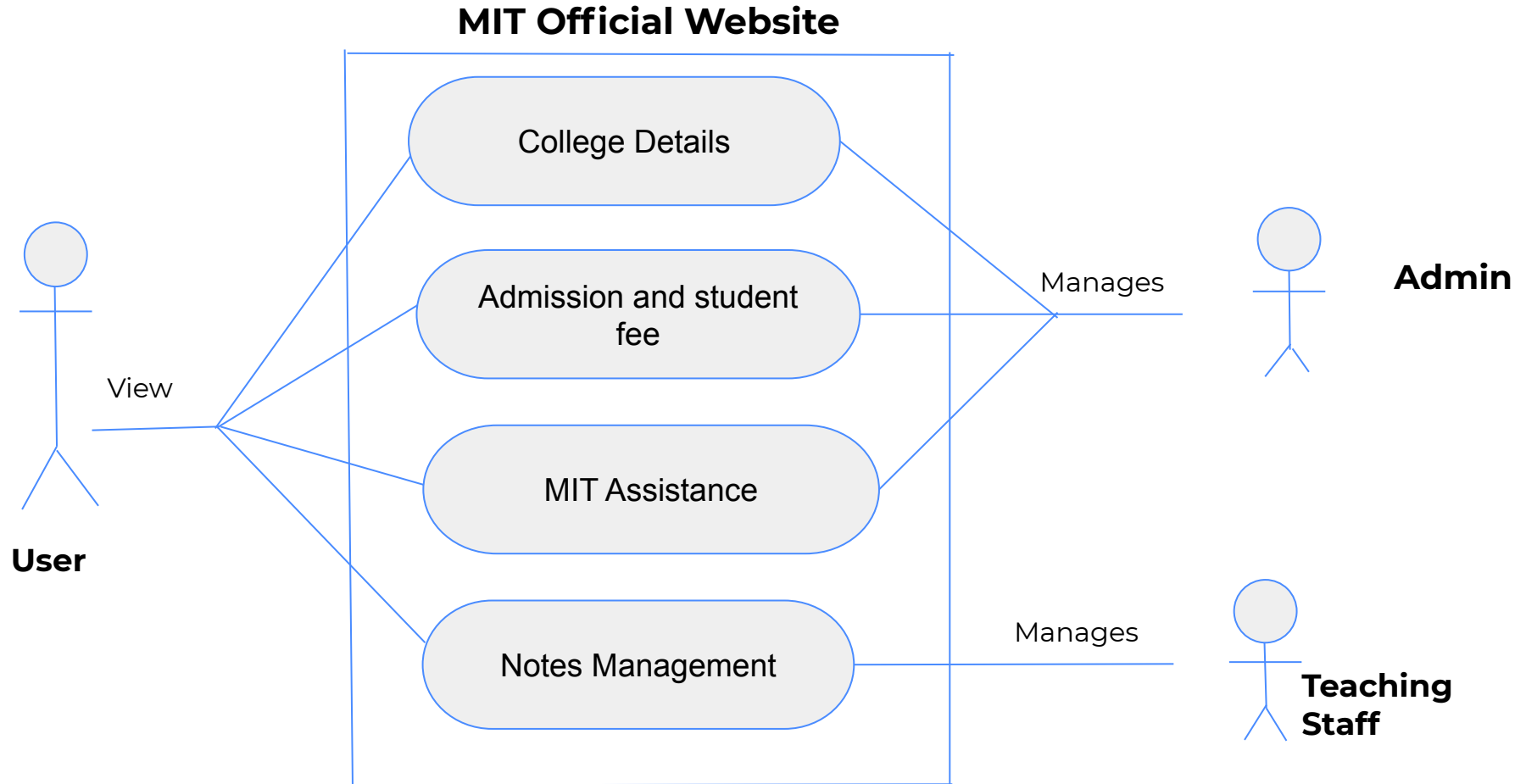
Non- Functional Requirements

- Usability- The website shall be easy to use by all user including all the students, staffs and parents.
- Availability- The website shall be accessible for a user at any given point in time.
- Responsiveness- The website shall be portable so moving from one OS to another OS does not create any problem.
- Security- Only the student who is log in can access data like notes, college id.

Modules of MIT Official Website

- **College details** -This module provides details to user about our college like Departments, Courses, Campus life.
- **Admission and student fee**- This collects and manages admission enquiries. This module makes fee collection simpler on campus.
- **MIT Assistance**- Here users can directly enquire about the college, admission process.
- **Notes management** - This module helps the students to download e-notes and teaching staffs to add/delete notes.

Use Case diagram:



Hardware and Software Requirements

Hardware Requirements

- Computer- 4 GHz minimum, multi-core processor.
- Memory (RAM)- At least 4GB or above.
- Hard disk space- At Least 10GB.

Software Requirements

- Programming language- HTML, CSS, Bootstrap, Javascript, MongoDB, jQuery and Node.js.
- Operating system- Windows 8 or above.
- Web browser- Google Chrome.