



# IUT Dormitory Management System

Software Project Lab I

# Meet The Team!



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# TABLE OF CONTENTS

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## Project Overview

A short overview of the project

01



04

## Technologies

Technologies we are using

## Project Motivation

Motivation behind the project

02



05

## Challenges

Challenges we are facing

## Major Features

Core features of the project

03



06

## Project Timeline

Timeline of the project

# Project Overview: What is IUT DMS?

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- IUT DMS is basically a web based application for maintaining the dormitory system digitally.
- Every year many students get into IUT & start staying in the hall, get notified about hall notices, inform the authority about any problem and do other activities. We want to build a system to put these activities in an automated way.
- Users
  - ✓ Admin
  - ✓ Student
  - ✓ Provost



# Motivation: Why IUT DMS?

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- ✓ Currently we do not have any digitalized system for maintaining the dormitory to the best of our knowledge.
- ✓ No way of sending announcement digitally only to the residential student.
- ✓ A student has to request for any resource manually. We want to implement this in an automated way.
- ✓ If a student won't stay in the hall for next day(s), there is a chance that his/her prepared meal might be wasted. We want to prevent that through this web application.



# CORE FEATURES

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- ✓ Authentication
- ✓ Student Information
- ✓ Room Allocation
- ✓ Mail/Announcement Sending
- ✓ Resource Request
- ✓ Student Announcement
- ✓ Meal Cancellation

# CORE FEATURES

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## ➤ Authentication

Student & Provost - both can sign up & sign in using this web application.

# CORE FEATURES

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## ➤ **Student Information**

Details of the residential students ( Phone number, Blood Group, Student ID, Room Number, Parents contact number, Address ) will be available for provost.



# CORE FEATURES

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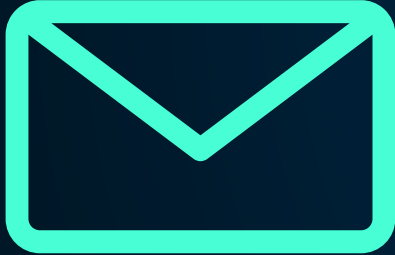


## ➤ **Room Allocation**

Using this website, Room & Bed can be allocated to the student.

# CORE FEATURES

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## ➤ **Mail/ Announcement Sending**

Provost can easily send mail to every student using this web application or he can write an announcement using this web application.

# CORE FEATURES

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## ➤ **Resource Request**

If a student needs anything, he can let the authorities know through this web application.

# CORE FEATURES

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## ➤ **Student Announcement**

Sometimes there might be an occasion where the students need to interact with the other students. That's why there will be an option for a student to send an announcement to the other students.



# CORE FEATURES

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## ➤ Meal Cancellation

If a student won't stay in the hall for the next day(s), he can easily tick himself absent in the system which will make sure that no meal will be prepared for him on that day.

# TECHNOLOGY

## FRONT END

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HTML



CSS



Bootstrap



Javascript





# TECHNOLOGY

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**Back End: PHP**



**Database: MySQL**



**Code Editor: VS Code**



# CHALLENGES

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## Meeting Deadline

Meeting deadline in this tight schedule will be a challenge for us.



## Feature Implementation

It would be hard for us to implement some of the features stated in the last pages.

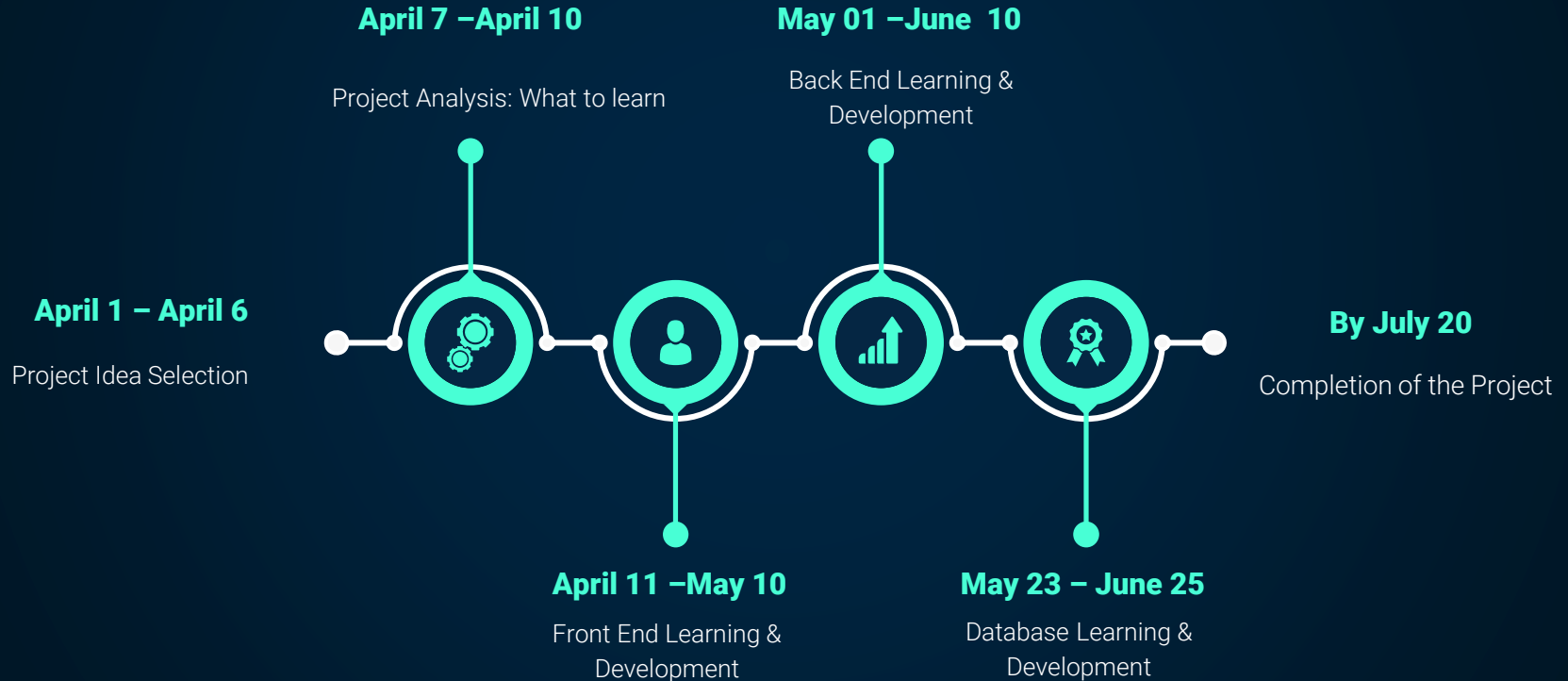


## Technology

We are completely new to the technologies we are using for this web application.



# OUR TIMELINE





**Thank You for listening.  
Any suggestions would  
be appreciated.**