MINI-PROJECT 2
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Department of Computer Engineering and Applications
GLA University, Mathura.

Project Synopsis on: Courier Service

Group Members:

1) Ayushi Maheshwari **(181500183)**
2) Deepanshi Garg **(181500206)**
3) Esha Gupta **(181500229)**
4) Megha Kansal **(181500382)**
5) Rishabh Garg **(181500562)**

Under the Supervision of: Mr. Anand Gupta and Mrs. Ruchi Gupta

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INTRODUCTION

Project Autonomous system is based on the web application which inculcates frontend- development as well as backend development. This development will be implemented using html, JavaScript, CSS,React js, MongoDb and MySQL.

This project will be divided into two major modules; Admin module and User module.

Admin can take student's details like name, hostel room number and other details through the courier received and with the help of a database it can extract student's email -id and phone number , on which all the information of current courier will be sent.

Students can login through the portal and can view all the previous history of couriers including the current one.

OBJECTIVE OF THE PROJECT

We have already entered the 21st century, we do not appreciate responses like Sorry, Misrouting, Confusion, Late deliveries, loss of Packets, No-response, No feedback etc. We have tried to create a system to avoid all these situations and provide ease and comfort to the customers. From any organization, we are committed to render "A" class services to all our customers. The main object of our project titled courier service is

" To have good communication between admin and customer so that the customers don't need to pick their parcel as soon as it arrives, they will be notified and then they can collect it at any time. All the transactions are stored in the database."

TECHNOLOGIES USED

This Courier Service Project is made by using ***"MERN"*** stack technology. These are:

1. **MongoDB:** MongoDB is a document-oriented database. It does not use tables and rows to store the data, but instead *collections of JSON-like documents.* These documents support embedded fields, so related data can be stored.
   It is also a schema-less database, which means we do not need to specify the number or type of columns before inserting our data.

2. **Express:** Express.js is a Node.js web application server framework, which is specifically designed for building single-page, multi-page, and hybrid web applications.

3. **ReactJS:** React is an open-source, front end, JavaScript library for building user interfaces or UI components. It is maintained by Facebook and a community of individual developers and companies. React can be used as a base in the development of single-page or mobile applications.

4. **Node.js:** We are using Node.js as backend technology. It is an open-source server environment. It uses java script on server

Along with the "MERN" technologies, we will be using:

HTML: For user interfaces.
CSS: For making interfaces more attractive and stylish.
Bootstrap 4: To make the website responsive and more attractive.

FUTURE SCOPE

The future scopes for this project are such as increasing the availability of this feature of collecting the parcel etc. to not just college but to societies cities etc.

We can also provide some wallet to facilitate the payment system.

FEATURES

Manages the records of the students and their parcels.
Manages the information of the delivery person.
The transactions are executed in both online and offline mode.
Allow the ease to students to collect their parcels whenever they want.

MODULES

Courier Service will contain 2 modules.

- **ADMINISTRATORS**

  - My Account
  - Forget Password
  - Change Password
  - Search
  - Enter Details
  - Edit
  - History
  - Delete

- **User**
    - My Account
    - Forget Password
    - Change Password
    - View List
    - Edit profile
    - Contact Us

AUDIENCE TARGET

Our main target audience are closed communities where entrance is prohibited after a certain area such as colleges and societies. The students/people living in such places can feel the ease of collecting their stuff whenever they want.

REFERENCES

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http://www.mongodb.com/
https://reactjs.org/
https://nodejs.org/
https://www.w3schools.com/

THANK YOU!