

**FINAL YEAR PROGRESS REPORT**

**BS(CS) Fall 2023**

**Ehsass**

**Submitted By**

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1. INTRODUCTION

There is no proper app for community work; some do exist, but they just have one aspect, such as Zainab Alert. Furthermore, there is no central platform where people can assist one another. The goal of this project is for individuals to support one other and build a sense of responsibility for one another.

The created solution will offer an automated workflow-based system with key functionalities such as Ambulance Service, Blood Donations, and Missing Persons. When someone is in need of an ambulance, users having a car in the caller radius will be notified and will be asked to accept the ride. Similar to an ambulance, we offer a blood donation option. For example, if someone in the hospital radius needs an O+ blood group, users with the O+ blood group will be notified and urged to contribute. To reduce response time and direct the donor and taker, search algorithms and Google Maps will be implemented. In the instance of a missing person, all people in the nearby region will be contacted, and computer vision will be used to match if the missing person's face matches anyone who located a person who has also gone missing. Users will be alerted when the request is completed, and the request will be closed.

1. TIMELINE

|  |  |
| --- | --- |
| **Date** | **Module Implementation** |
| **20-Feb-2023** | **API development, Workflow front End, Admin Panel Front end** |
| **1-March-2021** | **API integration for Workflow.** |
| **1-April-2021** | **Missing child, Ambulance** |
| **15-April-2021** | **Features’ Testing** |

1. PROGRESS
   1. Milestone 1 Progress

**Workflow Based System:** This milestone is 50% completed. Front end of the system has been designed. APIs for the module have been developed. Integration is yet to be done

* 1. **Milestone 2 Progress**

**API development:** We have developed API for our system in advance. Here are the APIs that have been developed so far.

|  |  |
| --- | --- |
| **Users’ API** | **Local Host Url** |
| Sign Up | localhost:3000/api/user/createuser |
| Log in | localhost:3000/api/user/login |
| OTP Verification | localhost:3000/api/user/verify |
| Change Password | localhost:3000/api/user/changepassword |
|  |  |
| **Posts Api** |  |
| Get All Posts | localhost:3000/api/post/getallpost |
| Get Post By ID | localhost:3000/api/post/getpostbyid |
| Get All Pending Posts | localhost:3000/api/post/getallpendingposts |
| Get All Approved Posts | localhost:3000/api/post/getallapprovedposts |
| Get Post By User Email | localhost:3000/api/post/getpostbyuseremail |
|  |  |
| **Blood Api** |  |
| Blood Request | localhost:3000/api/blood/bloodrequest |
| Accept Request | localhost:3000/api/blood/acceptrequest |
|  |  |
| **Admin Api** |  |
| Delete User | localhost:3000/api/admin/deleteuser |
| Update User Details | localhost:3000/api/admin/updateuser |
| Display All user | localhost:3000/api/admin/getallusers |
|  |  |
| **Feature Api** |  |
| Create New Feature | localhost:3000/api/feature/createfeature |
| Delete feature by ID | localhost:3000/api/feature/deletefeaturebyid |
| Delete feature by title | localhost:3000/api/feature/deletefeaturebytitle |
| Edit title by feature id | localhost:3000/api/feature/edittitlebyid |
| Edit title by title | localhost:3000/api/feature/edittitlebytitle |
| Edit description by feature id | localhost:3000/api/feature/editdescriptionbyid |
| Edit description by title | localhost:3000/api/feature/editdescriptionbytitle |
| Add new field in feature | localhost:3000/api/feature/addfield |
| Delete field by title | localhost:3000/api/feature/deletefield |
|  |  |

**Note:** This milestone is 100% completed.

* 1. **Milestone 3 Progress**

**Admin Panel:** Admin Panel has developed. Here, following features are implemented.

1. Users’ details display
2. Team detail display
3. Pie graph to show category wise request distribution
4. Bar graph to track area wise request
5. Line graph to track the trajectory of requests
6. Category wise number of requests
7. Pending Requests

**Note:** This milestone is 60 % completed.

* 1. **FEATURES**
     1. Workflow Based system
        1. Auto generation of database
        2. Auto Generation of Front End
        3. Auto generation of backend
     2. API Developments
     3. Admin Panel
* Users’ details display
* Pie graph for blood request
* Pie graph for ambulance request
* Pie graph for missing person
* Line graph to track trajectory of requests
* Total active users
* Pending Requests

1. UPDATED TIMELINE

|  |  |
| --- | --- |
| **Date** | **Module Implementation** |
| **20-March-2023** | **Workflow API integration, Admin Panel Backend** |
| **30-March-2023** | **Missing child** |
| **10-April-2023** | **Ambulance** |
| **20-April-2023** | **Features Testing** |

**Thank You!**