



# Manaratian – Student Journal

“Everything is here to help you”

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Everything is here to help you

April 24, 2019.

Course teacher, Software Development

Subject: Submission of the "Project Report".

Respected Sir,

I feel immense pleasure in presenting to your good self, the term report as a part of my course requirement. I found this report to be truly challenging in many aspects, indeed very interesting in relation to the various interpretational and engrossing exercises. Writing this report was truly a comprehensive learning experience. The report mainly revolves around some core management functions of Planning, Organizing, Leading, Controlling and Technology that is being practical.

I have tried my level best to complete the report with respect to the desired requirements. However, if any explaining is required, we would be honored to oblige. Kindly accept this humble effort of bringing forward our research and findings on the subject matter.

Sincerely yours,

Md. Riadul Islam Nasim

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## | Acknowledgments |

I take this opportunity to express my profound gratitude and deep regards to my guide Sohaib Abdullah (Assistant Professor, CSE dept., MIU) for his exemplary guidance, monitoring and constant encouragement throughout the course of this project. The blessing, help, and guidance given by him time to time shall carry me a long way in the journey of life on which I am about to embark.

I am obliged to members of MIU, for the valuable information provided by them in their respective fields. I am grateful for their cooperation during the period of my assignment.

Lastly, I thank almighty, my parents and my classmates for their constant encouragement without which this assignment would not have been possible.

## | Abstract |

Manaratian student Journal android app which is useful for students as well as the university faculty member and other academic staff. A paper-based system all the works are done manually. Paper-based work is so time-consuming. The main objective behind the use of MSJ(Manaratian Student Journal) is easy supervision of the Institute. Through our application students can search their results using Android mobile. In this application, students have no administrative user id or password. The student can only search their result using their student's id and password provided by the admin. Through this application, the student can also calculate their CGPA through CGPA calculator. Through this application, the notice board is all time updated by respective teachers and admin personnel.

## | Project Purpose |

In today's time, most of the university have their own websites which display university information, students can get timetables, test schedules, event schedules on these websites. But for retrieving this information the students have to log into the website. The students can visit the website if they are having an internet connection and these websites can be viewed on mobile phones as well. There is one problem with the websites that if there is no internet connection then these websites cannot be reached. Hence offline connectivity is the biggest issue with the websites. The Manaratian-Student Journal involves the execution of different activities, using different software for different purposes is a very tedious job. So, the best solution for this is to make one software for carrying out different activities involves in university management.

## | Feature of this Android Application |

Our University Management System Application has the following attributes:

- Improving the efficiency of University information storage system.
- Reducing the amount of time to process and view notice.
- Student can calculate their CGPA through CGPA calculator.
- Student and guardian can easily access the result through the search result panel.
- This application also has a phone book containing all faculty member and staff mobile number.
- This android application is highly secured.

## | Hardware And Software Requirement |

Software that is essential in our University Management System is:

- Windows 7/8/8.1/10 Operating System.
- Android studio 2.1.
- PHP MYSQL database.
- NET Framework 4.0 later, with ASP.NET functionality tested.

Hardware that is essential in our University Management System is:

- Processor – Intel Core i3 or later.
- Clock Rate- 3.0 or more.
- RAM- 4GB or more.
- HDD- 100GB or more.
- Cache Memory- 3MB or more
- VGA Card- 2GB or more
- Monitor- HD quality

## | Baseline plan Project |



**Budget  
Baseline Plan**



**Schedule  
Baseline Plan**

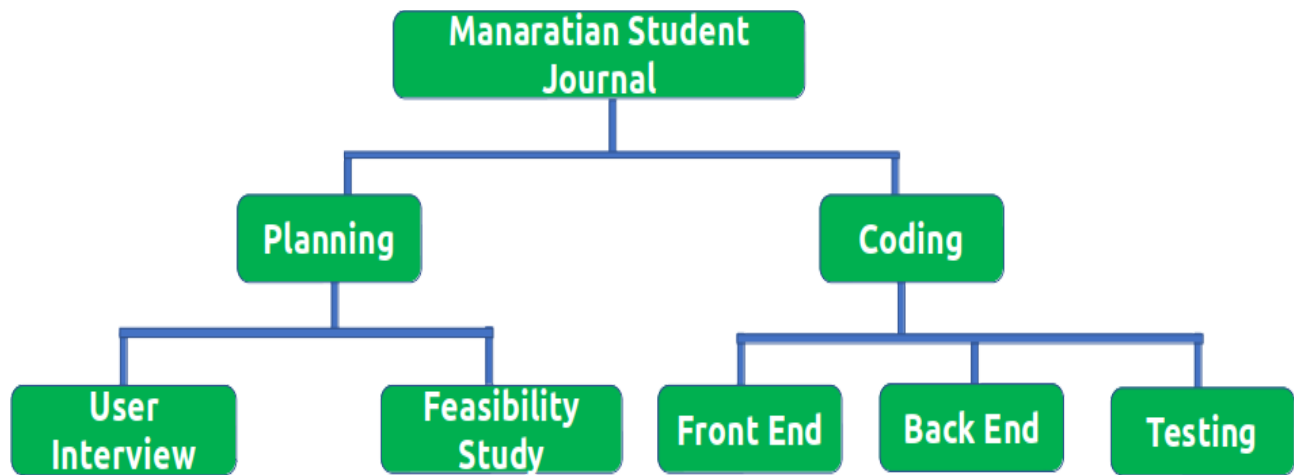


**Scope  
Baseline Plan**

## | Manaration Student Journal Budget Baseline |

| Category                 | Amount    |
|--------------------------|-----------|
| User Interview(Planning) | \$500.00  |
| Coding                   | \$1200.00 |
| Research                 | \$1000.00 |
| Employee Salary          | \$1500.00 |
| Marketing                | \$200.00  |
| Total                    | \$4400.00 |

## | Structure for Development |



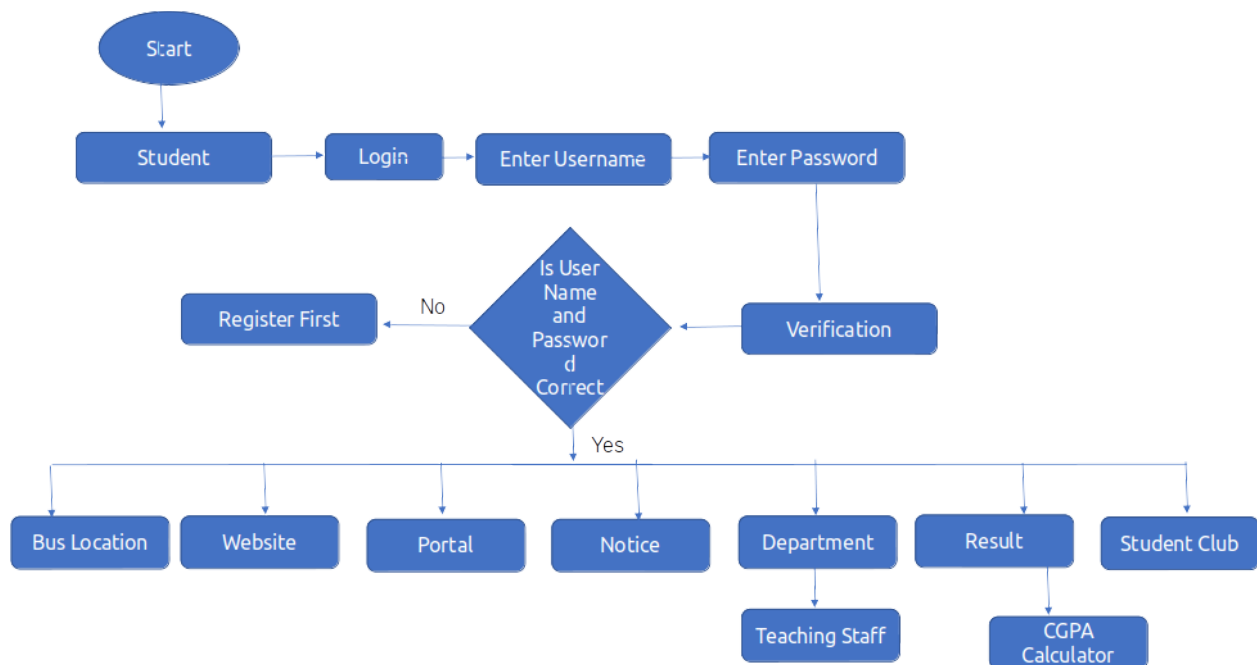
## | Schedule Baseline |

| Sl. | Task Name    | Start Date | Finish     | Days | Statement   |
|-----|--------------|------------|------------|------|---|
| 1.  | Project Plan | 25-02-2019 | 28-02-2019 | 4    | Includes work ours for all projecting members for gathering requirements and planing project. |
| 2.  | Analysis     | 01-03-2019 | 15-03-2019 | 15   | All requirements for my project must be determine to base design upon.                        |
| 3.  | Design       | 16-03-2019 | 31-03-2019 | 16   | This is the the0retical design for the software and its functionality.                        |
| 4.  | Implement    | 01-04-2019 | 30-04-2019 | 30   | All coding completed resulting software prototype.  |
| 5.  | Testing      | 01-05-2019 | 05-05-2019 | 5    | All functionality tested and all identified errors corrected.                                 |
| 6.  | Maintenance  | 06-052019  | 31-05-2019 | 25   | Completed my projects is handed over after alpha and beta testing.                            |

## | Technical Feasibility Study |

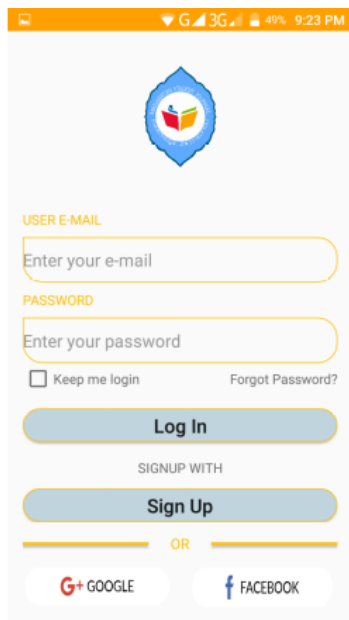


## | Data Flow Diagram |





## | Prototype |



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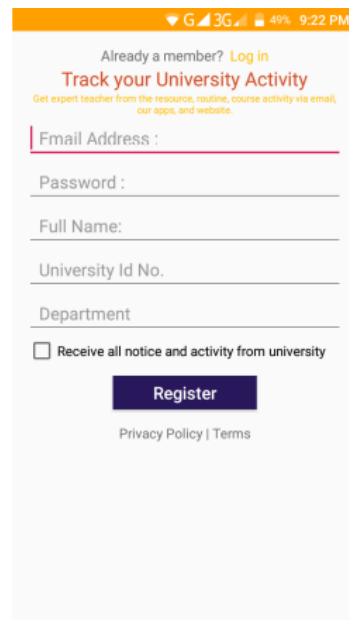
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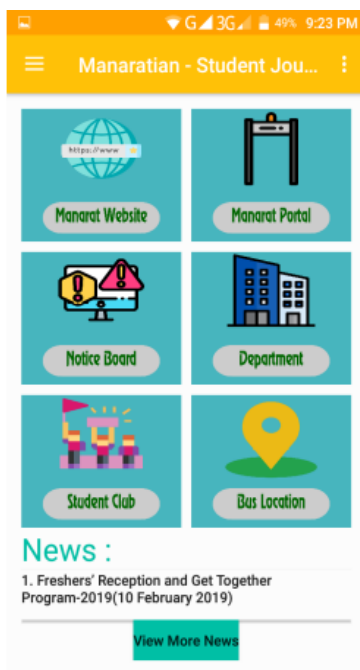
Department

☐ Receive all notice and activity from university

**Register**

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Registration Page



Manaratian - Student Jou...

Manarat Website

Manarat Portal

Notice Board

Department

Student Club

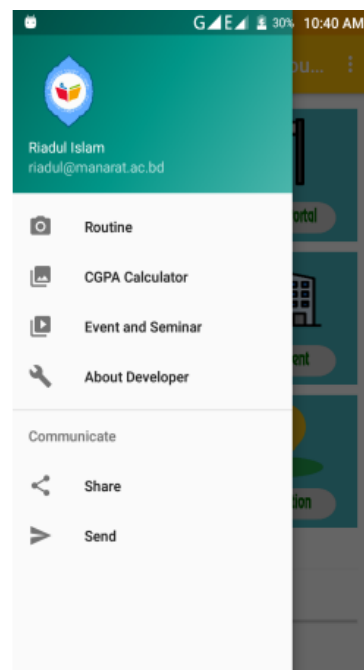
Bus Location

**News :**

1. Freshers' Reception and Get Together Program-2019(10 February 2019)

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Home Page



Riadul Islam  
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Routine

CGPA Calculator

Event and Seminar

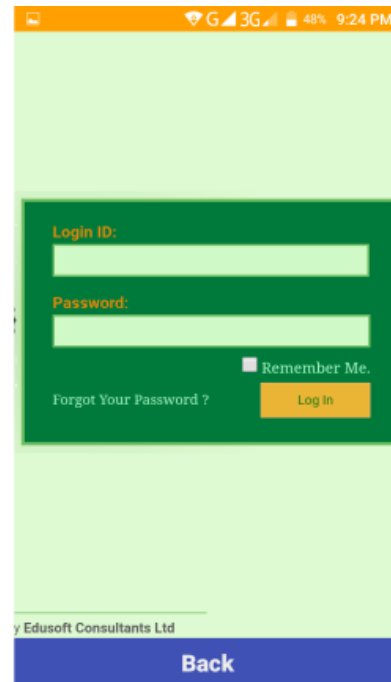
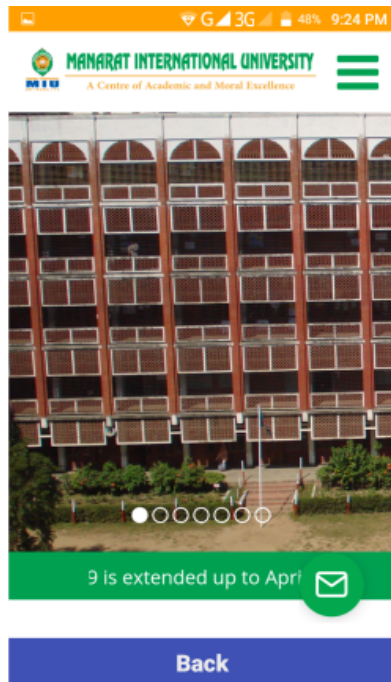
About Developer

Communicate

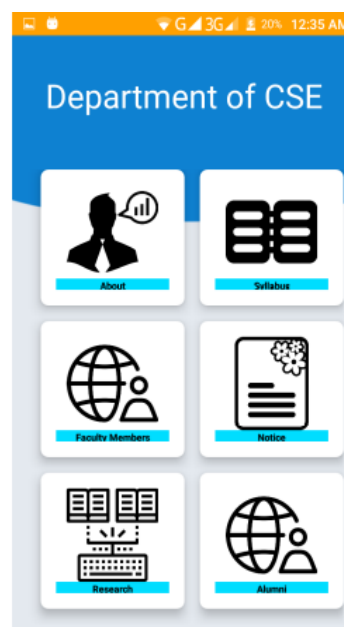
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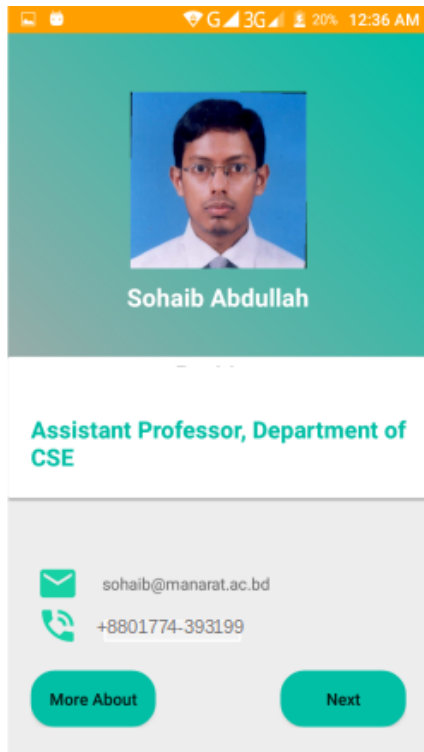
Neavigation View



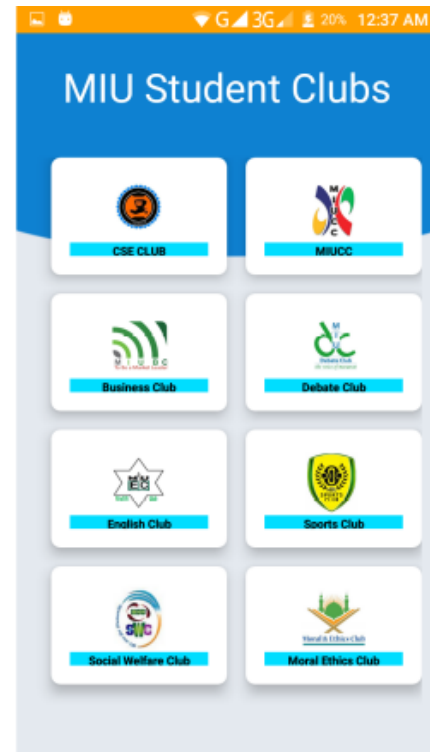
## Manarat Website Manarat Portal



## Department ViewDetails Department



## Teachers View



## Student Club

Find me: <https://rdnasim.space>

About Project:

<https://github.com/rdnasim/ManaratianStudentJournal>

Email: [riadul@manarat.ac.bd](mailto:riadul@manarat.ac.bd)