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| **NAME OF THE STUDENT** | RITHICK M K |
| **ROLL NO** | 7376222AD185 |
| **PROJECT ID** | 36 |
| **SEAT NO** | - |
| **MODULE NAME** | SF RATIO |

**Problem Statement**

The website should optimize and show SF ratio where the Anna university as 1:20 ratio and the NBA as 1:15 ratio

**Challenges**

**Manual Points Allocation:** Admins spend excessive time manually assigning reward points based on event participation and achievements, delaying accurate points distribution and hindering overall efficiency.

**No Edit Feature:** Participants cannot correct errors in their points submissions, leading to discrepancies and incomplete records, impacting fairness in points distribution.

**Limited Feedback:** There's inadequate communication on why points submissions are approved or rejected, leaving participants without timely notifications or explanations for improvement.

**Technical Components**

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| **Component** | **Tech stack** |
| Frontend | React js |
| Backend | Node js, Express js |
| Database | MongoDB |
| API | RESTful |

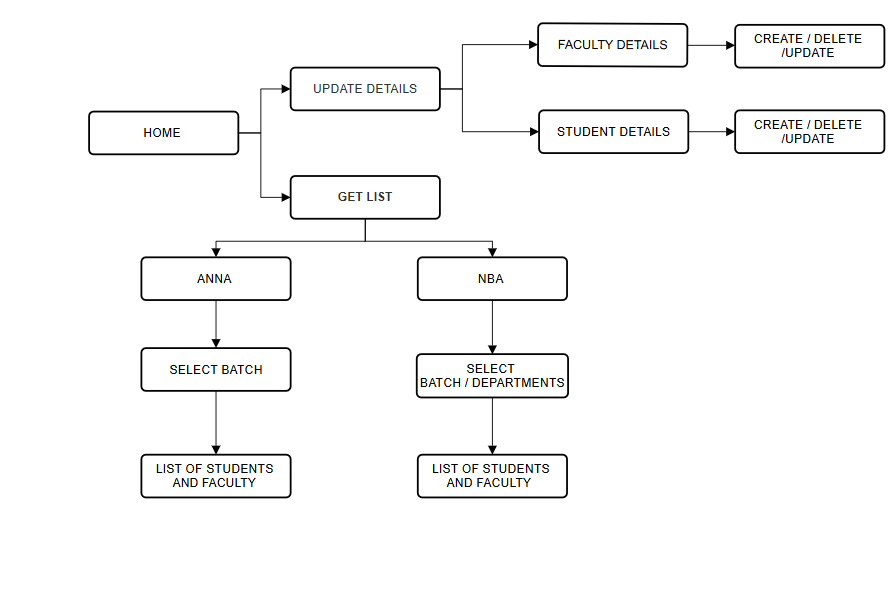
**Implementation Timeline**

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| **Phase** | **Deadline** | **Status** | **Notes** |
| Stage 1 | 22/07/2024 | In progress | Planning and  Requirement Gathering |
| Stage 2 |  | Not started | Design and UI/UX  Prototyping |
| Stage 3 |  | Not started | Backend Development |
| Stage 4 |  | Not started | Database Design and  Implementation |
| Stage 5 |  | Not started | Integration and Testing |
| Stage 6 |  | Not started | Deployment |

**Database Management System (DBMS)**

Develop a robust DBMS to efficiently store and manage student and faculty data, calculate and display student-faculty ratios, and allow users to provide feedback on the data. Administrators should have access to view, upload, or edit specific data.

**FLOWCHART``**

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