# Requirement Analysis (Functional,Operational,Technical) / Flow Charts

| Date | 04 November 2023 |
|------|------------------|
| Team Id | NM2023TMID06843 |
| Project Name | Unleashing The Potential Of Our Youth: A Student Performance Analysis |

## Functional Requirements:

| Functional Requirements | Description |
|-------------------------|-------------|
| Curriculum Flexibility and Diversification | The program should offer a diverse range of subjects and extracurricular activities to allow students to explore their interests and passions. |
| Individualized Learning Paths | Develop a system for personalized learning that considers the unique abilities, learning styles, and interests of each student. |
| Mentorship and Guidance | Establish mentorship programs connecting students with teachers, professionals, or community members who can provide guidance and support. |
| Promotion of Critical Thinking and Creativity | Integrate critical thinking, problem-solving, and creative thinking into the curriculum. |
| Digital Literacy and Access | Ensure equitable access to digital resources and technology for all students, addressing the digital divide. |

## Operational Requirements:

| Operational Requirements | Description |
|---|---|
| Program Management | Establish a program management team responsible for planning, executing, and monitoring program activities. |
| Budget and Financial Management | Develop a budget covering program expenses, including staff salaries, technology, resources, and student support funding. |
| Staffing and Training | Recruit and train qualified teachers, mentors, counselors, and support staff for effective program implementation. |
| Timetable and Scheduling | Create a clear timetable and scheduling system for classes, extracurricular activities, mentorship sessions, and events. |
| Technology Infrastructure | Ensure availability and maintenance of required technology infrastructure, including computers, internet access, and digital tools. |

## Technical Requirements:

| Technical Requirements | Description |
|---|---|
| Learning Management System (LMS) | Implement a robust LMS for course delivery, content management, and student engagement. |
| Digital Learning Resources | Provide access to a comprehensive library of digital learning materials, including e-books, videos, and interactive tools. |
| Internet Connectivity | Ensure high-speed, reliable internet access for both in-school and remote learning. |
| Computer Hardware and Devices | Supply students with computers, tablets, and other devices as needed for digital learning. |
| Classroom Technology | Equip classrooms with interactive whiteboards, projectors, and audio-visual systems for engaging lessons. |

## Flowchart