**Project Title: Stive(Student Hive)**

**Category:** Multi Platform Application(Web application, Android app)

# **PURPOSE**

Currently we predominantly use multiple services for all sorts of club related communications.

We aim to develop a platform for management and administration for the clubs to ensure a smooth and organized workflow.

# **SCOPE**

This is mainly for the clubs of IIIT-Guwahati. The application will be limited only to our students. It will help in increasing the efficiency and participation of students in club activities and help the coordinators to better manage their clubs.

# **INTRODUCTION**

**Existing System**: Currently we use multiple services for all club related communications.

* In the present system the SGC members send mails regarding all clubs activities.
* It is difficult to decide available slots for the club activities.
* Sometimes club events clash resulting in less participation in both events.
* Students receive mails from clubs that they are not a part of.
* This does not allow for much flexibility when modifying club events.
* There is no organized way for a student to view all the events he is a part of.
* Clubs do not have any way to conduct polls or post updates.

**Proposed System**: The platform proposed by us aims to improve the efficiency, management, communication and administration of student activities.

* Website and application for the users to interact with the platform
* Calendar for events
* User interaction via polls
* Club updates posts
* Member management system

# **Advantages for Clubs Coordinators**

* Improves workflow
* Removes redundant work
* Improves events organization

# **Advantages for Clubs Members**

* Improves students interaction
* More organized way of viewing club activities
* One platform for all clubs

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# **FUNCTIONAL REQUIREMENTS**

* Users with IIITG’s email address are only allowed.
* Students can join and leaves clubs on their own accord
* Only SGC members can create and manage club coordinators, clubs
* Club coordinators can add and remove club members
* Clubs can interact with students using posts, events and polls

# **NON FUNCTIONAL REQUIREMENTS**

Requirements that specify criteria that can be used to judge the operation of a system are called non-functional requirements. Non-functional requirements of our system are mentioned below:

* Secure access of data
* Availability
* Scalability
* Reliability

# **SOFTWARE TOOLS**

**Database Server:** MongoDB

**Client** : Web browser and android devices

**Development Tools** : VSCode, Postmen, MongoDB Atlas, Android Studio, Git, Github

**Programming Language** : Dart, Javascript, JSX, Typescript, TSX

# **DEPLOYMENT**

**Operating System Server** : Ubuntu

**Processor:** Intel Core i5

**RAM:** 8 GB

**Hard Disk:** 64 GB

# **HARDWARE SPECIFICATION**

**Processor:** Intel Core i7

**RAM:** 16 Ram

**Hard Disk:** 512 GB SSD NVMe, 1 TB HDD

**Suggested Changes** :

* Broad calendar to view club activities

