

# Smart India Hackathon 2018

Ministry/state

Government of Chandigarh

Sector : Education & Skills

Software

## Student Mobile App

Problem Code: #GCH2

College Code: #7485

Team Name : **CyberKnights**

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# Problem abstract

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- Provide **information/data** regarding the **particular college**.
- State/Centrally **sponsored schemes and events**.
- **Track attendance** (by students, teachers and parents).
- Provide important **information and updates** e.g. circulars, results, exam dates, timings, etc.
- Library **book return reminder**.
- Login with roll number/id number.
- Allow parents to **track their ward's attendance, performance** as well as location.
- **Share documents** like domicile and bonafide.
- Connected to Central Governmental database.
- **Connected with AADHAR** to enable verification of documents.
- **Get data of any student anywhere** like:  
State -> University -> College -> Student



# Clavi

**This is an all-in-one college management app.**

# Features

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User	College information	Personal Info	Academic info	Forum for Teacher Parent Talk	College notifications	Documents	Canteen	Govt. Sponsored Schemes	Request Info. from other college
Parents/ Students	View	View	View	Yes	View	View and request	Yes	View	No
Teachers	View	View and Edit	View and Edit	Yes	View and Edit	View and request	Yes	View	Yes
College Admins	View and Edit	View and Edit	View and Edit	Yes	View and Edit	View and request	Yes	View	Yes
University Admins	View and Edit	View	View on Request	No	No	View on Request	No	View	Yes
Govt. Admin	View and Edit	View	View on Request	No	No	View on Request	No	View and Edit	Yes

# Current Market Scene

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We observed that very few **apps** are available which can **solve** the **problems** only **partially**.

For eg:

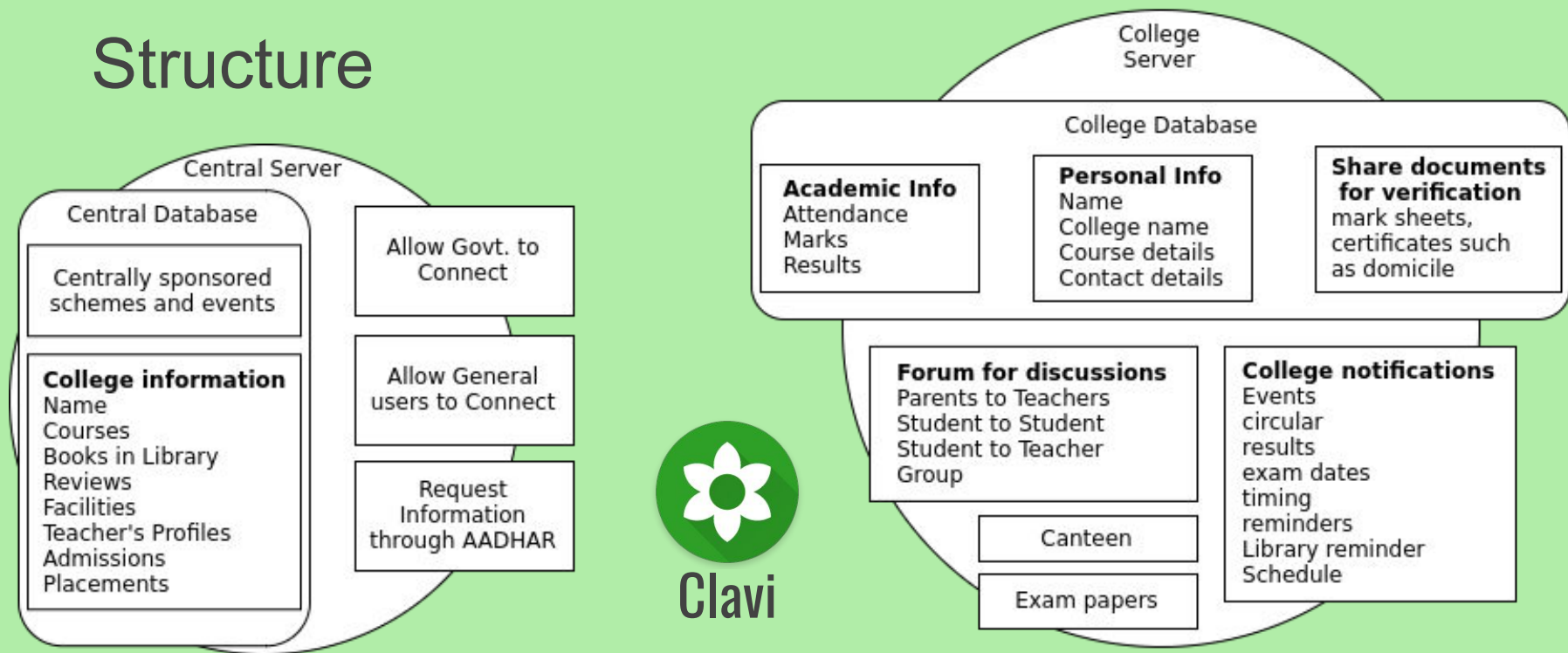
GHRCE STUDENT DIARY APP:  
attendance, results and course  
details of students.

MY STUDY LIFE: Schedule

# Our Specialities

- Student's assistant for everything
- Device independent
- Cross platform
- Centralised Database
- Aadhar Integration
- Teacher-parent interaction

# Structure



## What is Clavi Personal Assistant?

It can talk to you

Assess and track your academic performance

Motivating reminders to improve your performance

Personalized only for you

# Technical Specifications and Requirements

## Application

- Cross platform hybrid application
- Based on web technologies
  - Login from any device
- Native wrapper provided by Phonegap
- Design framework provided by Materialize

## Other Requirements

- Internet Connection

## Devices

- Central server
- Institutional server
- Mobile devices as clients
- Desktop computers as clients
- Desktop computers for special tasks like canteen

## Server

- Nodejs Runtime
- Linux based operating system (Recommended)
- SQL DB or MongoDB (MongoDB is preferred)