Basic Details of the Team and Problem Statement

Ministry/Organization Name/Student Innovation: **AICTE, MIC-Student Innovation**

PS Code: **SIH1467**

Problem Statement Title: **Smart Education, a Concept that Describes learning in digital age.it enables learner to learn more effectively,efficently,flexibly and comfortably.**

Team Name: **Team Avengers**

Team Leader Name: **Debangan Ganguli**

Institute Code (AISHE): **U-0490**

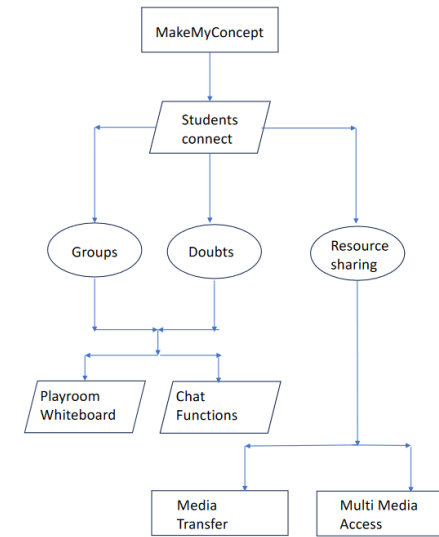**Institute Name:** **Vellore Institute Of Technology**

Theme Name: **Smart education**
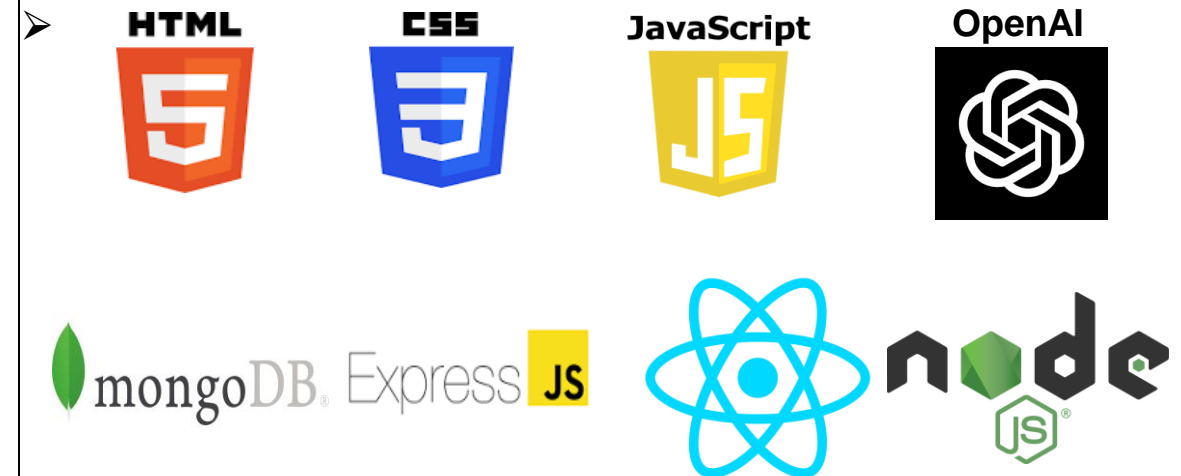
Idea/Approach Details

Describe your idea/Solution/Prototype here: We are looking for a solution that will serve as a platform for students to learn and understand concepts easily. By implementing this comprehensive smart education solution, we can transform the learning experience for students, making it more adaptive, engaging, and effective while fostering lifelong learning in the digital age.

➢ Registering through our website

➢ AI based segregation will be handled to assure quality learning experience

➢ Senior students can teach the junior students and get a chance to generate revenue

➢ Students can enroll in any course that they wish to study

➢ Video lectures, hand written notes of senior students for specific topic can be accessed by students

➢ 24*7 customer support help will be provided

➢ Separate doubt session will be held through video call mode

➢ Roadmap as well as preparation for semester exams, class exams and various entrance exams will be provided

➢ Sample questions and mock test will also be held

Flowchart(simplified)

Describe your Technology stack here:

➢ HTML5, CSS, JavaScript, OpenAI, mongoDB, Express JS, React, node JS

Idea/Approach Details

Describe your Use Cases here

➢ **College or School students can register in our website and upload their video lectures or hand written solution for a specific topic or subject**

➢ **Junior students or equivalents can register and get an access to the study material by paying a minimal amount**

➢ **Once you enter our website students can search subjects/topics through search button**

➢ **Students gets a chance to generate revenue by teaching or clearing concepts of our client**

➢ **Any doubt will be cleared through live video calling sessions**

➢ **Sample questions for school exams, college semester exams or entrace exams will be provided**

3

Describe your Dependencies / Show stopper here

➢

❖ Quality Control: Ensuring the quality of the educational content can be challenging when students are both teachers and learners. Maintaining a standard for accuracy and effectiveness is vital.Content

❖ Relevance: It may be difficult to cover a wide range of subjects and ensure that the content remains relevant and up-to-date.

❖ Lack of Expertise: Some subjects require a high level of expertise, and finding students who can teach these subjects proficiently might be a challenge.

❖ Consistency: Maintaining consistent content delivery and learning experiences across different student "teachers" can be challenging.

❖ Assessment and Feedback: Developing a system for assessing and providing feedback on student-taught material can be complex without traditional teacher input.

Team Member Details

Team Leader Name: **Debangan Ganguli**

Branch (Btech/Mtech/PhD etc): B.tech   Stream (ECE, CSE etc): ECE   Year (I,II,III,IV): III

Team Member 1 Name: Sutam Chandra

Branch (Btech/Mtech/PhD etc): B.tech   Stream (ECE, CSE etc): EIE   Year (I,II,III,IV): III

Team Member 2 Name: Amish Ranjan

Branch (Btech/Mtech/PhD etc): B.tech   Stream (ECE, CSE etc): EIE   Year (I,II,III,IV): III

Team Member 3 Name: Prantik Chakraborty

Branch (Btech/Mtech/PhD etc): B.tech   Stream (ECE, CSE etc): CSE   Year (I,II,III,IV): III

Team Member 4 Name: Shreya Thakur

Branch (Btech/Mtech/PhD etc): B.tech   Stream (ECE, CSE etc): CSE   Year (I,II,III,IV): II

Team Member 5 Name: Simrat Sehdev

Branch (Btech/Mtech/PhD etc): B.tech   Stream (ECE, CSE etc): CSE   Year (I,II,III,IV): II

Team Mentor 1 Name: Parthasarathy G

Category (Academic/Industry): **Academic**   Expertise (AI/ML/Blockchain etc): Data science, big data and information security   Domain Experience (in years): 18 years

Team Mentor 2 Name: Type Your Name Here

Category (Academic/Industry):   Expertise (AI/ML/Blockchain etc):   Domain Experience (in years):