Note: Features which have the “[brownie]” tag at the end are NOT mandatory.

1. PG Finder

The idea behind this problem is to create a website that makes the process of finding a PG easier. The competitors will have to create a website that fulfills the following requirements:

- Page for existing PGs:
  - This page should have a list of all the existing PGs with all the relevant information
  - Students should be able to rate the PGs on the basis of features like food, accommodation, environment etc
  - Students should be able to filter out PGs based on location, price range etc
- Page for adding new PGs:
  - PG owners can make a request to add their PGs
  - PG owners should be able to add information like location, photos, number of rooms and other necessary information with their request
- Admin Panel
  - The admin should be able to edit all the contents of the above pages
  - The admin should be to check the list of request for adding PGs and publish the PGs that are accepted
- Note:
  - In the page for existing PGs, the students can view the PG only after the admin accepts the request for that PG
  - Location API [brownie]
    - Where the PG is located on Maps (Using Google Maps API/ any other alternate Map APIs like MapBox API)

2. Student companion

The idea behind this problem statement is to help students keep a track of their academic progress. The competitors will have to create a website that fulfills the following requirements:

- TODOs:
    - Every user can create their list of to-dos to keep track of their tasks
    - Users should be able to add a reminder for each of the tasks
- Admin Panel:
    - Admin can add and design courses
    - Admin can enroll students for those courses
- A page for keeping track of completed courses
    - Display the required credits in each of the course categories like GERs, core courses, major electives etc
    - Users should be able to add a completed course in each of this category and the credits requirements should be updated accordingly
- Ratings for courses
    - Users should be able to rate courses on the basis of various features
    - Users should be able to filter out courses based on category, faculties, credits etc
- Resume maker [brownie]
    - A page that creates a resume (which follows a ATS approved template) based on the inputs of the user

3. Quiz webapp

The idea behind this problem statement is to create a webapp to help quizmasters conduct smooth quizzes. The webapp can include the following epics:

- Users
    - Quiz Master
        - Can create and organize quizzes.
        - View stats of all quizzes [brownie].
    - Attendee
        - Should be a registered user on the platform.

        - Can register and participate in quizzes.
        - View stats of previous quizzes [brownie].
    - Guest User [brownie]
        - Can participate in quizzes.
        - View stats of the participating quiz
- Quiz
    - A quiz can contain multiple questions.
    - A question can be of following types:
        - Normal Question (MCQ based)
        - Timer Question (To be answered in limited time) [brownie]
        - Buzzer question (only the first answer from all participants will be counted) [brownie]
    - Quiz can have different type of grading methods:
        - Normal cumulative grading
        - Negative marking system [brownie]
    - Quiz must have a shareable link to register and participate in the quiz.
    - Must have a leaderboard to display winners and participant scores.
    - Quiz should have a difficulty and/or popularity rating. [brownie]
    - Team quiz feature (Participants can work in team to win quiz) [brownie]

4. Unified Club Portal

The idea behind this problem statement is to create a one-stop platform for clubs to reach out to the students/audience and share information about their club and their upcoming events. The platform can contain the following epics:

- Users:
    - Admin
        - Can create and manage clubs.
        - View club
        - View event states [brownie]
    - Clubs
        - Can organize events.

        - View their event stats [brownie].
        - Send invitation and announcement emails/notifications to their members and registered participants for their events.
    - Participants
        - Can register as a member of any club.
        - Can view clubs and their events.
        - Can rate the events.
- Event:
    - Must have an event title, description, time, and register feature.
    - Can also contain posters and announcement banners.
    - Should also have event reports, proposals, and other supporting documents (only visible to clubs and administrators).
    - Real time registration and check-in stats [brownie].
    - Auto generating event analytics reports after the end of an event [brownie].
- Club:
    - Announcement page - announcements for their upcoming events.
    - Club calendar - containing details and timeline of their upcoming and past events [brownie].
    - Email notifier - send emails to their members and/or event participants.
    - Analytics page - Club event stats and participation stats [brownie].

5. Simple Description Website:

This task is for participants who are beginners in this field or who have very little coding background. If you have any coding experience, we recommend you to prefer and choose the above problem statements instead of this. In general, the website to be created in this problem statement can be:

- Static and Non-responsive,
- Not required to have a database connection,
- Not required to have a back-end framework,
- Does not need features of Admin user and other complexities

The idea behind this problem statement is to create a simple website that describes or gives information about anything you like (For ex:- A Place, A book, a sport, a substance etc).

NOTE: You are allowed to use website templates from the internet, but make sure to give credits where due. Website builders like Wix are not allowed.

- Sections:
  - Home Section
  - About Section
  - Features / Services / Major Points / Popular Area Section
  - About You (Creator) Section