

Hacktoberfest Hackathon Problem Statements (2022) (Total - 27)

PS-1

Problem Statement - Meeting Scheduler

Description - Create a meeting scheduler where any user can schedule a meeting with another using a unique link according to their time slots available. Admin can create a link for meeting with desired time slots and display the list of all the meetings created under the link. Public users can schedule a meeting from the admin user link. While scheduling the meeting the details should be saved in the google calendar of public and admin users.

PS-2 (BEGINNER LEVEL)

Problem Statement: Weather Application

Description: Develop a Desktop/web application/Mobile App that helps the user to check current weather conditions at a given place

PS-3

Problem Statement - Alumni Tracking System

Description: Create a platform where the colleges can keep track of passed-out students. Alumni can register themselves, college students can connect to their alumni, and college management can publish notices, plan events, and send invitations.

PS-4 (BEGINNER LEVEL)

Problem Statement: Language Translator

Description: Create a Desktop/web application/Mobile application that translates the text from one language to another language.

PS-5

Problem Statement: Quiz with performance Analysis

Description: A platform that can track the performance of the students during quizzes and provide personalized reviews with attributes like time taken for each question, areas to improve and scoreboard.

PS-6

Problem Statement: CBIT Student HelpDesk

Description: In order for students to resolve their queries with higher authorities a portal should be developed such that students can post their queries and admin has to allocate the query to designated college authority.

PS-7**Problem statement: Remote Lab Booking System**

Description: Each educational Institution has its workshops and labs that are utilized by the students of that specific Institution. A simple web-based portal can be designed, to enable the shared usage of labs, where remote institutes can mention lab facilities available and parent institutes can book slots for students in remote institutes.

PS-8**Problem Statement: Prescription Analyzer**

Description: Build an application that can recognise handwritten text from the doctor's prescription and display the required medication to the patient.

PS-9**Problem Statement - E-Courses for students**

Description: Create a platform where instructors can upload courses with detailed descriptions and contents of the course, costs, and discounts from where students can choose the courses they need and add them to their cart. This application can also include reviews and feedback sections.

PS-10**Problem Statement: Health Monitoring System**

Description: The lack of successive check-ups and infrequent monitoring of a patient's health status are among the primary reasons for the lapses in the healthcare industry. Create a simple and efficient consultation platform where Doctors or Health Care officials can monitor a patient's daily progress, schedule successive check ups and monitor the patient's health status.

PS-11**Problem Statement: Sign Language detection**

Description: Develop an application where the user can upload a hand gesture image or capture it through a webcam and then display the text related to that gesture.

PS-12**Problem Statement: Be in Need**

Description: Create a platform where people can share their needs and other people can fulfill needs by sharing their location such that people in need can collect their requirements.

PS-13**Problem Statement: CBIT Exam Seating Arrangement**

Description: Develop an application to automate exam seating arrangement process such that no two students from same branch are adjacent to each other, providing the view option for students to check their seating location and faculty to check their respective class for invigilation

PS-14**Problem Statement: Disease prediction**

Description: Build a portal where a machine learning model is used to predict the probability of the disease that the user has based on their symptoms.

PS-15(BEGINNER LEVEL)

Problem Statement: Contact Book application

Description: Create a Desktop/web application/Mobile App to save contact details including name, address, phone number, and email address. Users can add a new contact, edit, find or delete existing contacts and view the details of their contacts.

PS-16

Problem Statement: Fitness tracking application

Description:

Create an application for tracking day to day physical activities of each user. This includes providing credits/ points to each user based on their physical activity like walking, running, cycling, callisthenics, functional training, weight training, etc. and as a bonus, you can make an application to prompt remainders about water and nutrition intake at regular interval of time.

PS-17

Problem Statement: Project task Scheduler

Description: Accounting each and every task in a project can be vexatious, build an application used for project planning, scheduling tasks, resource allocation and deadline management

PS-18

Problem Statement: Tourism for Rural India

Description: Create a platform to display tourist places in rural areas to the user. And also equally emphasizes the rural community to bridge the knowledge gap by offering appropriate tour guides, users can connect with tour guides to explore the rural places

PS-19

Problem Statement: Productive Learning

Description: Students take multiple subjects in each semester and keeping track of all pending submissions and grades can be cumbersome. Design a solution where a teacher can upload the assignment and all the students of a class can access the assignments. Maintain a dashboard to display pending assignments, provide email alerts before the deadline. Provision for faculty feedback.

PS-20

Problem Statement: Drowsy Driver Detection System

Description: One of the major causes of accidents on the road is the drowsiness of the drivers to prevent such fatal accidents on the road, build an application to detect the drowsiness of the driver and set an alarm whenever the driver is drowsy.

PS-21

Problem Statement: Blood Bank Finder

Description: Build an application where any blood donor can check the nearest blood bank to donate blood and hospitals can view the available blood transfusion bags for the required blood group.

PS-22**Problem: Live score chatbot**

Description: Create a chatbot in a chat app (preferably in our lovely Discord) to take commands from the user and serve the information requested (any sport of your choice) as required.

PS-23**Problem Statement - Activity Points Tracker**

Description- Develop an application where students can upload their certificates related to course completion, internship offer to track all activities (academic and extra-curricular) of a student. Then assign points based on type of certificate and generate overall feedback of the student.

PS-24 (BEGINNER LEVEL)**Problem Statement: Dictionary application**

Description: Develop a Desktop/web application/Mobile App where users can find the meaning and allocated synonyms of that word. Giving the readers a better experience and understanding.

PS-25**Problem Statement: Doctor Consultancy**

Description: The objective is to develop a platform where users can register as patients or doctors. Patients can interact with the portal to access their medical data, previous history, and scheduled appointments and doctors can view patients data and accept pending appointments.

PS-26**Problem Statement - Placements Management System**

Description: Create an application that would allow the students to view the companies coming for placements, eligibility criteria, packages, etc. This includes the display of shortlisted students and respective registration forms/links.

PS-27**Problem Statement: Expense Tracker Application (BEGINNER LEVEL)**

Description: Create a Desktop/web application/Mobile App that helps the user to keep track of their expenses, and analyze their expenses.