HACKATHON 2.0

Objective :

Teams participating in hackathon are supposed to choose a problem statement and hence decode the problem within 16 hours with an excellent idea supported by a working software

Problem Statements :

❖ STATEMENT 1 :

An integrated, dynamic event management platform that simplifies the process of organizing and managing events, providing real-time updates, customizable event pages, interactive attendee features, and advanced analytics..

➢ DESCRIPTION :

- The goal of this project is to develop a Dynamic Event Management Platform that.
- Allows users to create, manage, and promote events with ease.
- Provides a customizable platform where event pages can be designed with logos, banners, and themes.
- Incorporates real-time updates to inform attendees about schedule changes or location modifications.
- Features interactive elements such as live Q&A sessions and feedback forms to enhance attendee engagement.
- Integrates a seamless ticketing system with various ticket types or tokens (e.g., regular, VIP) and the ability for online ticket purchases.
- Provides event organizers with an analytics dashboard for tracking registrations, ticket sales, and attendee details.
- Includes automated email notifications for smooth communication between organizers and participants.
- Ensures smooth event execution by automating key administrative tasks.

www.wings.geca.ac.in

Government College of Engineering
Railway Station Road, Osmanpura
Chhatrapati Sambhajinagar, Maharashtra,
India - 431005

❖ STATEMENT 2 :

A Collaborative Study Platform that facilitates efficient teamwork, enables seamless communication, and supports real-time collaboration for students working on academic projects or studying together remotely.

➢ DESCRIPTION :

- Improved Productivity: By managing their tasks, resources, and deadlines through the platform, students will be able to stay organized, meet deadlines, and improve their productivity.

- Better Communication: Real-time video calls and chat features ensure that students can easily communicate and discuss ideas, even if they are not physically together.

- Seamless File Sharing: The resource repository will streamline the sharing and accessing of study materials and project files, reducing the need for external file-sharing tools.

❖ STATEMENT 3:

Learning App for Deaf And Mute students.

➢ DESCRIPTION :

The goal is to design a comprehensive and inclusive learning application tailored to the unique needs of deaf and mute students. The app will leverage interactive technologies, visual aids, and innovative tools to provide an accessible and engaging educational experience, empowering students to achieve their academic goals and build essential life skills.

www.wings.geca.ac.in

Government College of Engineering
Railway Station Road, Osmanpura
Chhatrapati Sambhajinagar, Maharashtra,
India - 431005

❖ STATEMENT 4 :

A comprehensive, easy-to-use Elderly Care Management System that helps families and caregivers manage daily care schedules, monitor health, ensure timely medication, and quickly respond to emergencies, all through an integrated and mobile-friendly platform.

➢ DESCRIPTION :

- Improved Caregiving Efficiency: A centralized platform that allows caregivers to manage daily tasks, medication schedules, and health records, ensuring more efficient caregiving.
- Timely Medical Assistance: Medication reminders and emergency alerts ensure the elderly receive timely medical attention and that caregivers are promptly notified in case of emergencies.
- Health Monitoring and History: Caregivers and family members can track the health progress of elderly individuals, facilitating informed healthcare decisions.
- Easy Accessibility for Elderly: A simple, mobile-friendly interface ensures that elderly users can easily access and benefit from the system without any technical difficulties.

❖ STATEMENT 5 :

The "Campus Network Guardian" is a comprehensive cybersecurity system designed to protect campus networks and ensure a safe digital environment. It focuses on identifying vulnerabilities through regular assessments and detecting real-time threats like unauthorized access or malware attacks

➢DESCRIPTION :

- Network Vulnerability Assessment Tools: Automated tools to scan and report weaknesses in the campus network.

www.wings.geca.ac.in

Government College of Engineering
Railway Station Road, Osmanpura
Chhatrapati Sambhajinagar, Maharashtra,
India - 431005

- Real-Time Threat Detection: Machine learning models or signature-based systems to

  identify and respond to anomalies or malicious activity

- Access Control Management: Implementation of role-based access control (RBAC) and

  multi-factor authentication (MFA) for enhanced security.

- Incident Response System: A dashboard to monitor threats and log incidents, with

  predefined protocols for handling breaches.

❖ STATEMENT 6 :

There is a need for a smart, web-based tool that can assist job seekers by analyzing their resumes, comparing them against job descriptions, and providing AI-driven suggestions to improve content, formatting, and alignment with specific job roles. This tool should be able to identify missing skills or keywords, propose better phrasing, and ensure the resume is tailored to specific job opportunities, improving the chances of passing through Applicant Tracking Systems (ATS) and impressing recruiters.

➢DESCRIPTION :

The goal of this project is to develop a web-based AI-powered resume optimization tool that can:
- Parse resumes from different formats (PDF, DOCX, etc.).
- Compare the content with job descriptions to identify key skills, job requirements, and missing keywords.
- Provide personalized suggestions on improving the resume's content, structure, and formatting for better alignment with job requirements.
- Offer an intuitive and user-friendly interface for job seekers, allowing them to upload their resumes easily and receive actionable feedback.

www.wings.geca.ac.in

Government College of Engineering
Railway Station Road, Osmanpura
Chhatrapati Sambhajinagar, Maharashtra,
India - 431005

❖ STATEMENT 7 :

An AI-powered health insurance assistant that simplifies the process of selecting the most appropriate health insurance plans for patients. This system should evaluate the patient's medical history, predict potential health risks, and recommend the optimal insurance plan based on coverage requirements. By leveraging AI and machine learning, the assistant can automate the recommendation process and assist users in making more informed decisions, streamlining their insurance journey.

➢ DESCRIPTION :

The goal of this project is to develop an AI-powered health insurance assistant that can:

- Analyze a patient's medical history, lifestyle, and preferences using Natural Language Processing (NLP).
- Predict optimal coverage requirements based on the patient's health risks and needs.
- Recommend personalized health insurance plans that match the patient's requirements.
- Allow users to purchase insurance plans directly or provide consultations with insurance agents for further assistance.
- Provide an easy-to-use, scalable interface for both users and insurance providers.

Venue & Contact Information

Government College of Engineering, Chatrapati Sambhajinagar

❖   Dnyanesh Deshmukh :- 782296536

❖   Prachi Bhonde : - 8055459528

www.wings.geca.ac.in

Government College of Engineering
Railway Station Road, Osmanpura
Chhatrapati Sambhajinagar, Maharashtra,
India - 431005

Guide Lines For Team :

- Members in the team should be 3-6
- Every students must have their college identity document as their identification proof.
- Intercollege grouping for not team is allowed.

Participation fees :

- Fees : Rs.300

- Method to Pay Registration Fee:

UPI to with Team Name And Event Name Available on Gpay, Phonepe & PayTm

PPT Submission :

1) Team need to submit presentation describing their project
2) PPT should be have atmost 5 slides .
3) Keep your presentation precise and easy to understand
4) You need to save the file in PDF and upload the same on portal
5) No PPT , Word or any document format will be supported
6) Selected Team is Contacted for the Round of Hackathon

www.wings.geca.ac.in

Government College of Engineering
Railway Station Road, Osmanpura
Chhatrapati Sambhajinagar, Maharashtra,
India - 431005

Platform :GitHub

Git and GitHub

1) Download the latest version of git and install it.
2) Create an account on GitHub.
3) GitHub introduction link-
4) https://docs.github.com/en/get-started/quickstart/hello-world
5) Download latest version of GitHub Desktop and sign in.
6) Create a private repository and add all your team members as collaborators.
7) Keep the repository empty until the start of Hackathon.

Rules :

1) Only Team leader will create a private repository on his/her GitHub Account.

2) Multiple repositories per team are NOT ALLOWED (i.e. one team should have one repository.)

3) Repository name should be: WINGS-HACKATHON-<...> Put the allotted digit in space

4) Once the Hackathon starts, teams have to compulsorily push commits every 3 hours.

5) No team will be allowed to Push/Pull to the repository after or before the coding period.

www.wings.geca.ac.in

Government College of Engineering
Railway Station Road, Osmanpura
Chhatrapati Sambhajinagar, Maharashtra,
India - 431005

Do's and Dont's :

- DO NOT commit zip files to the repository.
- Avoid committing compilation output files (e.g. .exe, .jar, .dll, etc). Avoid committing 'videos' and other large sized test data used in AI/ML in your Git repository. To share the videos and test data among the team members use services like Google drive, Drop box or One Drive. DO NOT
- do small commits. Commit any logical or major changes only. Only team
- leader (or just one person) committing to the repository is NOT RECOMMENDED.

Basic Requirement :

1. Active Internet Connection throughout the day.

2. Laptop with a working mic and camera/webcam.

3. Git and GitHub Desktop installed on your PC.

4. All the participants must have account on GitHub

Evaluation :

- We know developing software can be a daunting task. Especially if you are a beginner.

- So to make things a little easy, at the end of the Hackathon we do not expect a fully working software.

www.wings.geca.ac.in

Government College of Engineering
Railway Station Road, Osmanpura
Chhatrapati Sambhajinagar, Maharashtra,
India - 431005

- We only expect Proof of Concept of your solution. (i.e. a very basic working model of your solution)

- Evaluation will be done in 2 rounds.

Wings Policy :

1. Decisions of Organizer and Core team will be final.

2. Rules mentioned above are subject to change anytime. Participants should check for the latest updated PDF on official webpage of WINGS 2025.

3. WINGS Reserves all the rights regarding rules and regulations.

www.wings.geca.ac.in

Government College of Engineering
Railway Station Road, Osmanpura
Chhatrapati Sambhajinagar, Maharashtra,
India - 431005