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

Online integrated platform for projects taken up by the students of various universities/colleges

➢ DESCRIPTION :

Innovation is the key to betterment of education and students in the Indian universities/colleges put a lot of efforts on the projects as a part of the academic requirements. If a common knowledge platform (with a facility for plagiarism) is created to bring all project works taken up at various levels by the students in Technical / Higher Educational Institutes and Universities throughout the country, then it will be a great source of knowledge and also will help the student community to take up unique/innovative project works Summary: An integrated platform should

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be developed where in all the universities/Colleges provide information about the projects done by the students.

❖ STATEMENT 2 :

Develop AR / VR model for Students to learn about various biological , geographical process
➢

DESCRIPTION :

AR / VR models can be used in the effective and efficient way in the field of education , development of those model with makes the understanding at the level of the students . With the graphical representation of the various processes have ability of good and relatable with the concept .

An complete overview like structure of processes , functions of that process can be understand to students

❖ STATEMENT 3:

Develop a chatbot for awareness about plant rotating and new techniques related to agriculture

➢ DESCRIPTION :

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Go-to chatbot for cultivating awareness about plant rotation and the latest agricultural techniques. Stay ahead in farming with insights on optimal crop sequencing, soil health, and innovative methods. Discover sustainable practices, precision farming, and smart technologies transforming agriculture. Whether you're a seasoned farmer or a novice enthusiast, this chatbot provides personalized advice, answers queries, and shares real-time updates on agricultural advancements. Navigate the dynamic landscape of modern farming, boost yields, and foster environmental stewardship. Empower yourself with knowledge and explore the future of agriculture. Let this chatbot be your virtual guide to a greener, more productive tomorrow

❖ STATEMENT 4 :

Cybersecurity Portal for Effective Management of Servers and Firewalls

➢ DESCRIPTION :

A threats with our hackathon challenge. Develop innovative solutions to enhance security protocols, monitor network activities, and fortify digital infrastructures. Join us in building the future of cyber resilience. Unleash your coding prowess, crack the code, and secure the digital frontier. Let your project idea be the canvas for your cybersecurity masterpiece.

revolutionary cybersecurity portal designed for seamless server and firewall management. Elevate your organization's defense against cyber security

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❖ STATEMENT 5 :

Create an intelligent software system to detect phishing domains which imitate look and feel of genuine domains

➤ DESCRIPTION :

Develop intelligent software system meticulously crafted to combat phishing threats. Harnessing advanced algorithms and machine learning, Software can be specializes in detecting deceptive domains that mimic the authentic look and feel of genuine websites. Safeguard users against phishing attacks by swiftly identifying and neutralizing malicious imitations. With real-time analysis and continuous learning, This software evolves to stay one step ahead of cyber threats. Empower your cybersecurity arsenal with a vigilant guardian against phishing, ensuring a secure online experience.

❖ STATEMENT 6 :

Develop a fake certification detection system using AI / ML related to educational domain

➤ DESCRIPTION :

developing a Fake Certification Detection System using cutting-edge AI/ML technologies. The proliferation of forged certificates poses a significant threat to credibility and trust. Tackle this issue by devising an intelligent system that can

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autonomously identify and verify the authenticity of certifications. Leverage machine learning algorithms to scrutinize document patterns, metadata, and other subtle markers indicative of fraudulent activities. Join us in building a robust, automated certification verification system that ensures trust and reliability in professional and educational domains.

❖ STATEMENT 7 :

Development of system for Home training of Children with Disabilities

➤ DESCRIPTION :

Create a holistic solution that leverages technology to facilitate personalized, accessible, and engaging learning experiences for children facing physical or cognitive challenges. From adaptive interfaces to tailored content, envision a system that empowers parents and caregivers to nurture the full potential of every child in the comfort of their homes. Join us in pioneering inclusive education, breaking barriers, and fostering a future where every child, regardless of ability, can thrive.

Venue & Contact Information

Government College of Engineering, Chatrapati Sambhajinagar

- ❖ Dnyanesh Deshmukh :- 782296536

- ❖ Prachi Bhonde : - 8055459528

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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

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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.

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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.

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- 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.

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