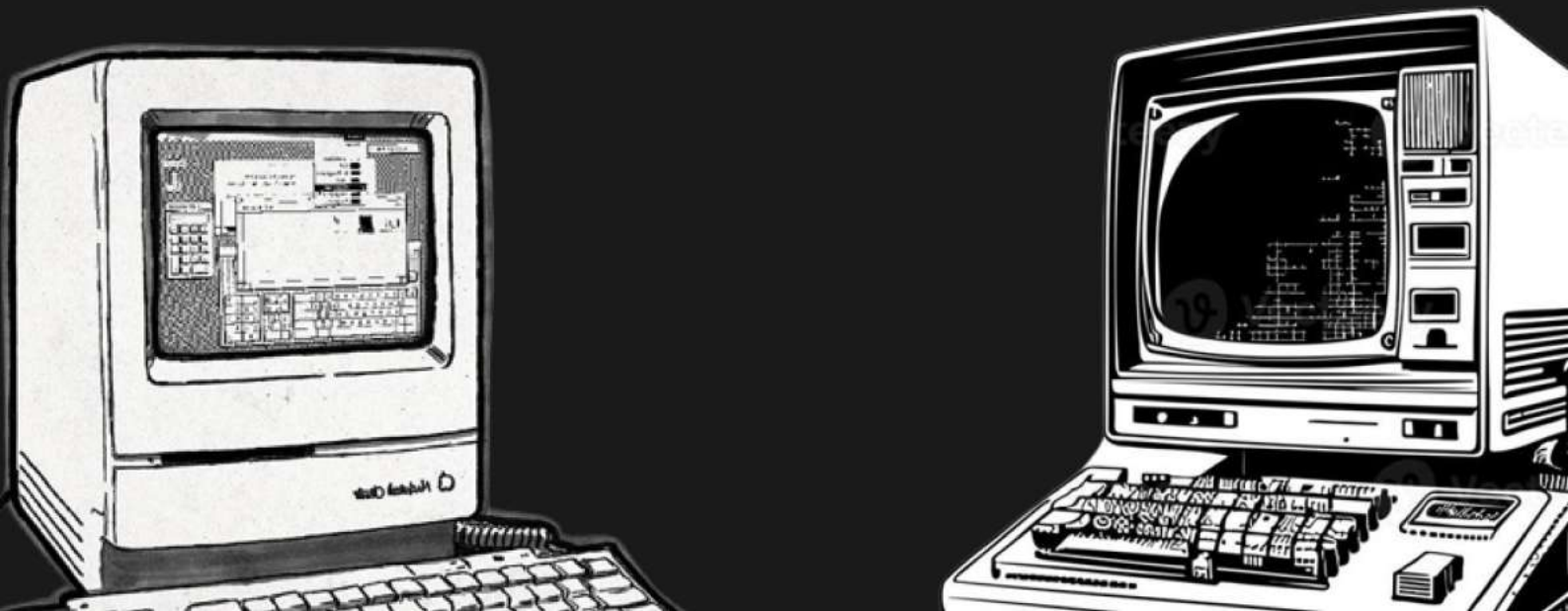


COPS IIT(BHU) Presents

# **COPS** **WEEK**

16 February - 23 February 2025

## **Problem Statements**



# Themes

This year for **COPS week** we have decided to go for a **theme based** approach where we **provide** the participants with some **themes** around which they are **free to develop** any solution they see fit, the participants are free to develop solutions from any vertical( **Web, App, Web3, game, Desktop App**).



# Guidelines

- Participants are **free to choose** any one of the provided themes.
- The **solutions** can be from **any vertical** (web/app, game dev, web3, desktop apps).
- we expect a **fully functional** and **deployed project** which is completely free to use, the platform should **address the issues** for your selected theme and provide a **definite solution**.



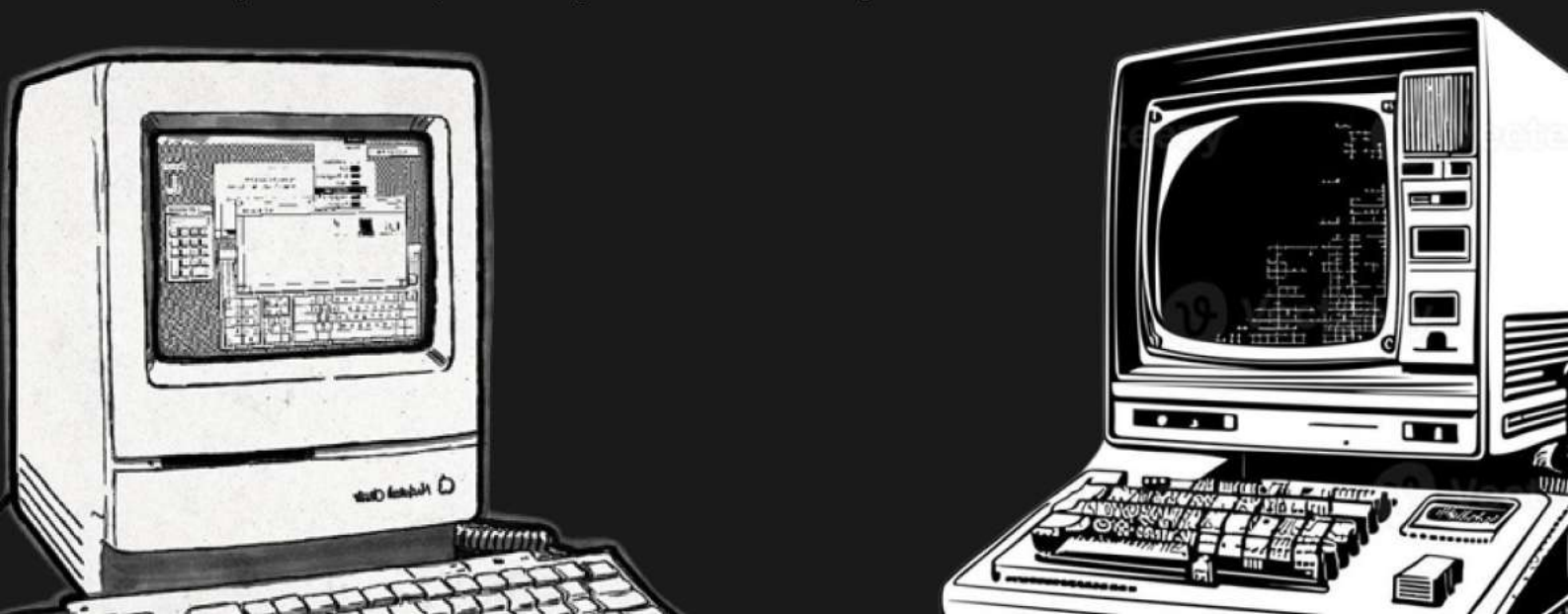


# 1. Smart Governance & Civic Engagement

In today's rapidly evolving world, The gap between **citizens and governments** is growing, leading to low trust and civic participation. This disconnect leads to reduced trust in **public institutions** and **lower participation** in civic activities.

Government services often **lack transparency**, making it difficult for citizens to access **essential resources** or track the **progress of public projects**.

Voter engagement remains a challenge due to **outdated outreach** and distrust in electoral systems. Addressing these issues is critical to fostering a more **inclusive, transparent**, and participatory democracy.



## 2. Future of Work & Remote Collaboration

Remote and hybrid work environments have become common, but they come with challenges. Teams often find it hard to collaborate effectively, and many face burnout while working from home.

Develop a software-based solution to address urban mobility challenges. Participants are free to think creatively and propose innovative solutions related to the topic.





## 3. Mobility & Traffic Management

City **traffic** is getting **worse**, leading to long **delays** and **unsafe roads**. People struggle to find the best routes and transport options in real time, making travel **stressful** and **inefficient**. A software solution is needed to help reduce congestion, **improve traffic flow**, and **make roads safer**.

The goal is to think **outside the box** and come up with a **solution** that makes urban mobility smarter, safer, and more **efficient**.



# Judging Criteria

**Web/App/Desktop App Development:** Judging will focus on **functionality**, **UI/UX design**, performance, responsiveness, innovation, and completeness of the **implementation**. Code **quality**, maintainability and adherence to best practices will also be considered. Brownie points for **deployment strategies**.

**Web3:** Evaluation will cover **UI/UX**, smart contract **efficiency**, security, gas optimization, **decentralization aspects**, proper use of **blockchain** features, innovation, real-world applicability, and **frontend-backend integration**.



**Game Development:** Assessment will include **gameplay mechanics**, creativity, user engagement, graphics and **animations**, and overall **experience**. The use of game engines, code efficiency, and **originality** will also be factors.

