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(Opening Remarks)

- Greetings  
- Introduction kung sino tayong mag sasagaw ng safescape

\*\* We are a students of LSPU-SCC, whom are pursuing BSCS and with the help of (name ni dean), we collaborated with the BFP in Sta. Cruz Laguna in proposing the project SafeScape\*\*

**Brief Overview of SafeScape**

Safe scape is a an AI powered digital platform which includessimulations, VR training, and interactive tools for educating the community about fire safety. It’s designed to work hand-in-hand with the BFP's goals.”

**Purpose of the Presentation**

This presentation aims to help you understand SafeScape, its potential to enhance public fire education, and why we are seeking your support in bringing it to life

**The Role of Computer Science in Modern Solutions**

1. Computer science helps solve real-world problems using technology.
2. With tools like AI, simulation, and interactive platforms, we can educate and prepare people better than ever.
3. SafeScape is built using these tools transforming traditional fire education into something more effective and engaging.

**Relevance to Public Safety and Disaster Preparedness**

1. Disaster preparedness is about educating people before an emergency happens.
2. Through digital platforms, even remote or busy individuals can learn safety protocols.
3. SafeScape helps create smarter, faster, and more accessible fire safety programs, making the community safer for all.

**Mission and Mandate**

The Bureau of Fire Protection (BFP) is mandated to ensure public safety through the prevention and suppression of all destructive fires, enforcement of fire-related laws, and the investigation of fire incidents. With the integration of AI technology, the BFP is enhancing its capabilities in areas such as fire risk assessment, real-time monitoring, predictive analytics, and emergency response. AI-powered tools help analyze fire patterns, optimize resource deployment, and improve response times—supporting the BFP in making smarter, data-driven decisions to protect lives and property more effectively.

**Current Educational Strategies and Challenges**

Current fire safety education in Sta. Cruz tends to be reactive rather than proactive. There are often delays in reporting fire incidents, limited community involvement, and a lack of modern training tools for both residents and fire personnel. While some educational efforts exist, they are not enough to meet the needs of a diverse population. There is a clear need for a more predictive, interactive, and accessible digital platform that can help detect fire hazards early, provide tailored fire safety education for all age groups, and strengthen coordination during emergencies.

**Realities of Community Preparedness**

1. Despite the BFP’s efforts, many residents in Sta. Cruz still lack proper knowledge or training.
2. People may think they’re ready for emergencies but real preparedness needs hands-on practice and consistent education, especially for kids and older citizens.

**Objectives of the Project**

1. Create a web-based learning platform
2. Use artificial intelligence to assess fire risk
3. Build 2D simulation tool for home layouts
4. Develop a VR training prototype
5. Design kid friendly games and modules
6. Integrate chatbot to answer fire safety questions

**For the BFP (Training and Outreach)**

1. Currently, most fire education relies on barangay seminars and school visits, which are limited by staff availability and scheduling. With SafeScape, educational materials and simulations are available 24/7 online, allowing the BFP to reach more people without always needing to be physically present.
2. Because the platform is standardized, all residents and BFP officers will receive the same quality of information, reducing the chances of miscommunication or outdated safety advice being shared across communities.

**For the Community (Preparedness and Awareness)**

1. Teaches safety in a more fun and engaging ways and to help people learn at their own pace and time.

**For Schools and LGUs (Education and Risk Reduction)**

1. Can be integrated into classroom drills and safety subjects

**Simulation Preview (Visual Demo / Screenshots)**

Screenshots and videos ng   
 1. web

1. Yung VR (if possible na kaya mong mag provide gamit yung meron ka dan sainyo) if not kunin mo nalang yung nasa steam na video
2. Kids friendly game (eto ay di ko alam)

**Final Features on Launch**

1. A fully functional digital platform that enhances fire safety knowledge and preparedness among Santa Cruz residents.
2. Improved accuracy and speed of fire incident reporting and response coordination.
3. Enhanced firefighter skills and readiness through virtual training modules.
4. Real-time fire hazard detection and early warning capabilities
5. Strengthened collaboration between CCS-SCC, BFP, and the community for sustained fire safety efforts

**Conclusion**

SafeScape is not just a student project, it is a community centered solution designed with the BFP and Sta. Cruz in mind.

With your support, we can turn this prototype into a working system that helps save lives, educate people, and support your mission.

Thank you very much, and we look forward to your support.