Challenge Scope and Topic

The challenge aims to develop innovative startup ideas that utilize advanced technologies like AI, IoT, and computer vision to enhance road safety. Participants are encouraged to explore solutions in the following areas:

* Intelligent Traffic Management
* Predictive Analytics
* IoT-Enabled Vehicle Communication
* Computer Vision Solutions
* Autonomous Vehicle Integration
* Instructions and Deliverables

To participate, interested teams must fill out the application form and submit a comprehensive GitHub repository outlining their proposed solution. Additionally, a 5-minute presentation highlighting the project's innovation, feasibility, and potential impact is required. Presenting a working prototype or pilot project is encouraged but not mandatory.

Problem Statement

The challenge addresses the pressing global concern of road safety, seeking solutions that drastically reduce accidents and create an environment where road users feel safe.

Goals

Participants are tasked with creating a groundbreaking startup idea that leverages smart technologies to address traffic accidents. The solution should be innovative, technically feasible, and have a transformative impact on road safety.

Rules and Criteria

The challenge is open to SBs only, with each team representing one SB and a maximum of four participants per team. Submissions must adhere to the technical requirements and be presented in either French or English.

Scoring

The total score is 20 points, divided into the following categories:

Pitch & Presentation: 4pts

Proof of Concept (prototype): 4pts

Project Architecture, Technical Solution Quality, and Technologies Used: 5pts

Startup Model (BMC, Market Potential, etc.): 5pts

Bonus Points

Bonus points can be earned for having a graduate student (YP) or IEEE RAS member on the team.

Winners

The three best teams will be awarded a certificate in their Student Branch's name.