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Group 6
Mini Project

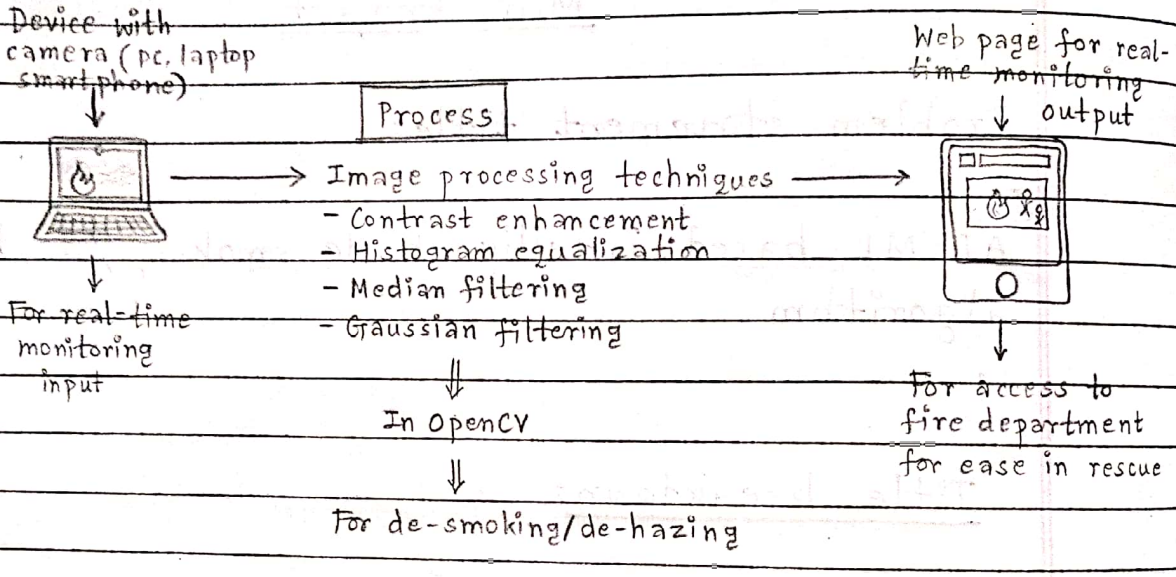
Problem statement title:

AI-ML based intelligent de-smoking/de-hazing algorithm

Title breakdown:

* Intelligent de-smoking/de-hazing algorithm
  ↓ For reproducing
* Real-time video
  ↓ of
* Area under fire
  Specifically → Indoor fire hazards
  ⇓
  Aim: To aid rescue operation

Input, Process, Output:



De-smoking / de-hazing system

Input device

- Smartphone, PC, laptop, tablet
- Kept stationary at a place for real-time video capturing
- Indoor place

Algorithm

- Performs video processing
- Implemented at backend

Output web page

- Accessible by fire department officials
- In the form of web page portal
- Desmoked & dehazed video visible

Technology stack:

Frontend : HTML, CSS, JavaScript, Bootstrap

Backend : Flask, Django

Processing : OpenCV in Python

Work split:

Frontend → Priya, Anshul

Backend → Shrutika

Algorithm → Sumit