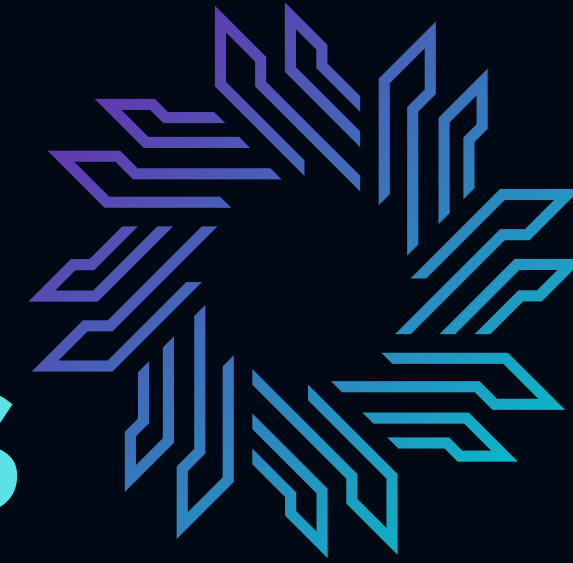
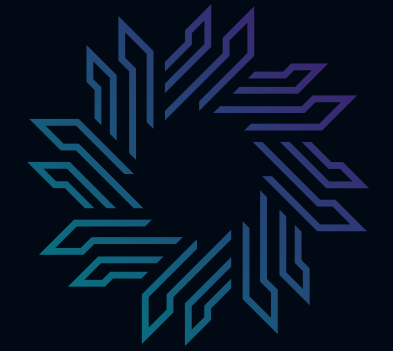


Abstract

NM_VisionaryTitans



- PSID: KVH-009
- Problem title: Advance CCTV Analytics Solution
- Team Members: 6

Team Lead: Sam Varghese
AIR 6, IITK Tech Innovation





● Abstract

The model leverages lightning-speed **SSD + MobileNetV2 architecture** to detect incidents and perform **Anomaly identification** on live camera footage. This enables it to **detect incidents even without much training dataset**. The technologies we've used are **Tensorflow, Twilio for alerts, MySQL, AWS EC2**, etc.

The innovation in our model lies in its capability to detect incidents and send alerts to appropriate hospitals/ police stations. It **analyzes the medical condition of patients** and sends alerts to the hospitals which have the equipment ready to treat the victim. It would also have the capability to **get the causes of incidents** like fire, and accidents, and to **track thieves** in case of burglary. We've also prepared **business plans** which include **collaboration with insurance companies** to verify road incidents and prevent fraud. **Retail stores can also utilize this technology**, thus expanding the scope of our business.