### Proactive Amubulance Alast and Routing system

To sake like by reducing emorgeny reporte time through

Real time optimized Driver Dynamic Hospital accident ambulance alexes Traffic readiness detection dispatch management

#### Core Feature Breakdown

#### 1) Accident Retection and Automated Sos

Phones detect sudden deceleration/impail wing servors (aculometer, gyrosoppe)

sos with exact location and crash data is auto-

Offine company use some bound fall back when no internet

# 2) Central Emergency Platform

Receives sos signals.

- · Dispatches nearest available ambulance wing real-time GPS and traffic data.
- · Sends real time crosh into and ETA in hospitals.
- 3) smart phone acofined Alext
  - · Geofence Pynamically created Around ambulance
    Porh.
  - Alexe sent to nearby drixers to dear the
  - · Channels In app notifications + Wibration + sms alerts

    Les offine way)

## 9) smart traffic management

- · Integrate with city traffic light systems
  - · Adjust signols dynamically (extends green, shorters Red)
    to give ambulona a clear path.

	Date ://
5)	Hospital Integration
	· Nearest hospital receives auto-alerts
	· Automatically there emergency but availability
	· If full, resoutes ambulance to next but
	option.
	- Sind s live patient vitals during transit.
()	0
6)	Real-time Amubalance and Patient Tracking
	V
	· Ambulanu location and ETA
	shoved with hospital and patient's emogency
	lontad.
	· Patient Vitals [ heard rate, spor) sent to
	hospital dashbookd
7)	Public in centives and Community Awareness
0	Reworld drivers who move avide (invarance
•	discounts, recognition) Awareness campaign with school, transport authorities
	and local go ut.

米	How System flows (End-to-End)
l)	Gash ours
	· Smort phone detect sor triggered
	· Smort phone detect sor triggered with automatically
2)	Emelginy selved heads
	· Receives crash details -> identifies reduct ambulance
	and location ambulance
	calculate optimal 204te
3)	Bim Alots
	esound with alut
	around with alist
4)	Traffic Light Optimized
	Green signals - Red light - Enway extended shortened flow
	Green signal - Red light - Enry extended shortened flow
	•

5) Hospital Meetel . Notified with patient into and ETA. longiams but availability Brepores ER team property in the same 6) Assival and Handoff Ambulance Reaches fortered has Hospital already ready THE PAIN ALITY no paperwork trimbard stails man arthread to the state of

*	what's make their project different and outstand
	with other tompetetory
J)	Works even offline wing built in phone sms
2)	Combined real time routing, patient xitals, and hospital readiness
3)	uses existing technologies smally (sensors, sms, GPS, geofenuing).
7)	Has public engagement, not just a back-end system.
	343 (211)
	V.