



JARVIS

AUDIO-VIDEO ANALYTICS FOR SAFETY-SECURITY
THROUGH CCTV/DRONE/MOBILE DEVICES



Founded in 2015, running India's largest AI company
Winner of **National Startup Award** 2020 By **GOI**

Security

Intrusion | Crowd Analytics | Violence | Theft | Criminal Tracing

Partnered with Dubai Police and 8 Indian state security forces

Safety

Food Tech | Warehouse Safety
PPE Monitoring | Patient Monitoring

Invited by the NITI Aayog to form the COVID-19 Response Committee

OPERATION

Infra | Manufacturing | Retail

Visual Analytics

Footfall Analytics | Crowd & Demographic Analytics |
Engagement Analytics

100+

Implementations

25+

Research Papers

20000+

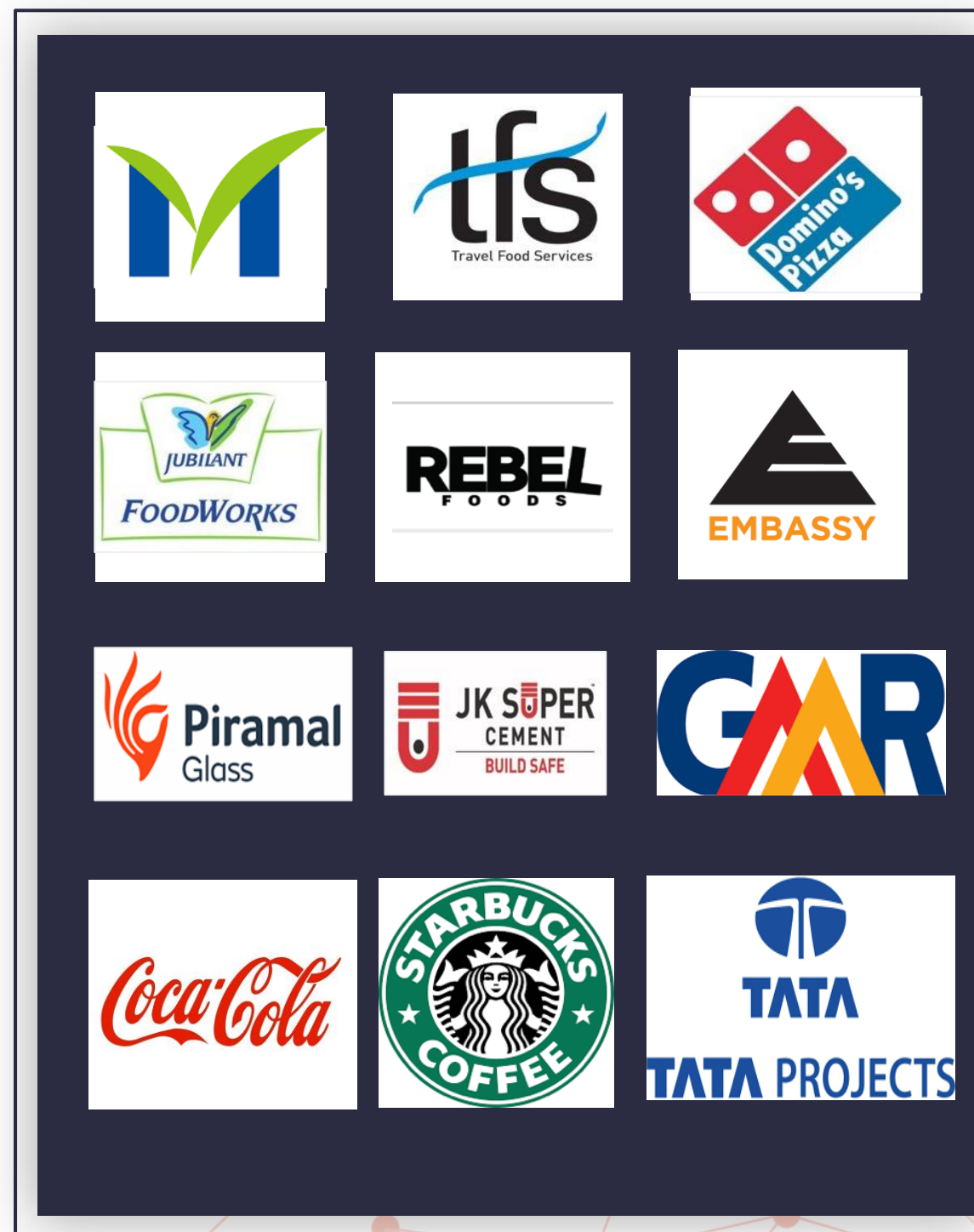
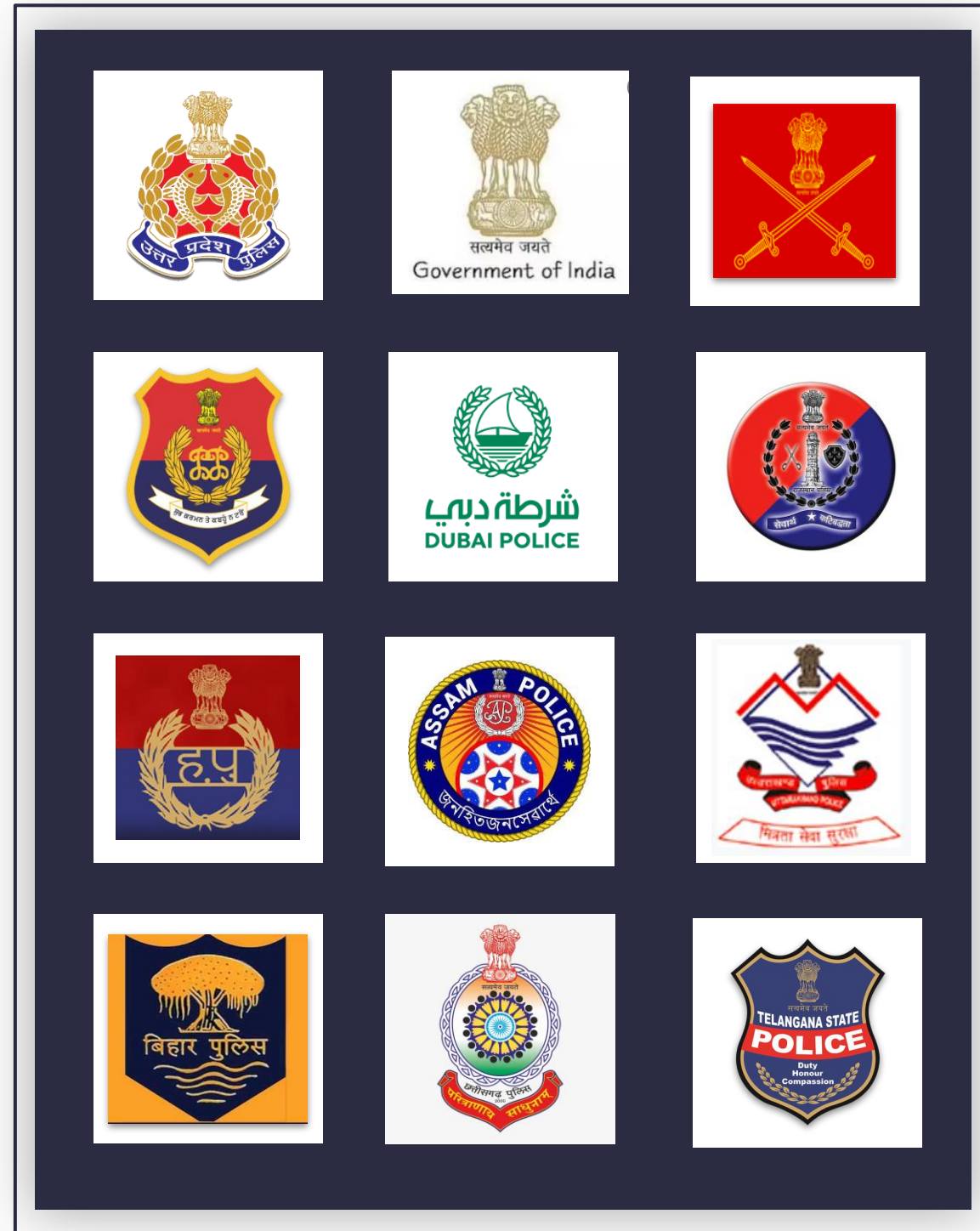
Camera with VA

13

Awards

Ensuring **Safety** | Enforcing **Hygiene** | Real-time **Security** | Advanced **Analytics**

OUR PREMIUM CLIENTS & PARTNERS





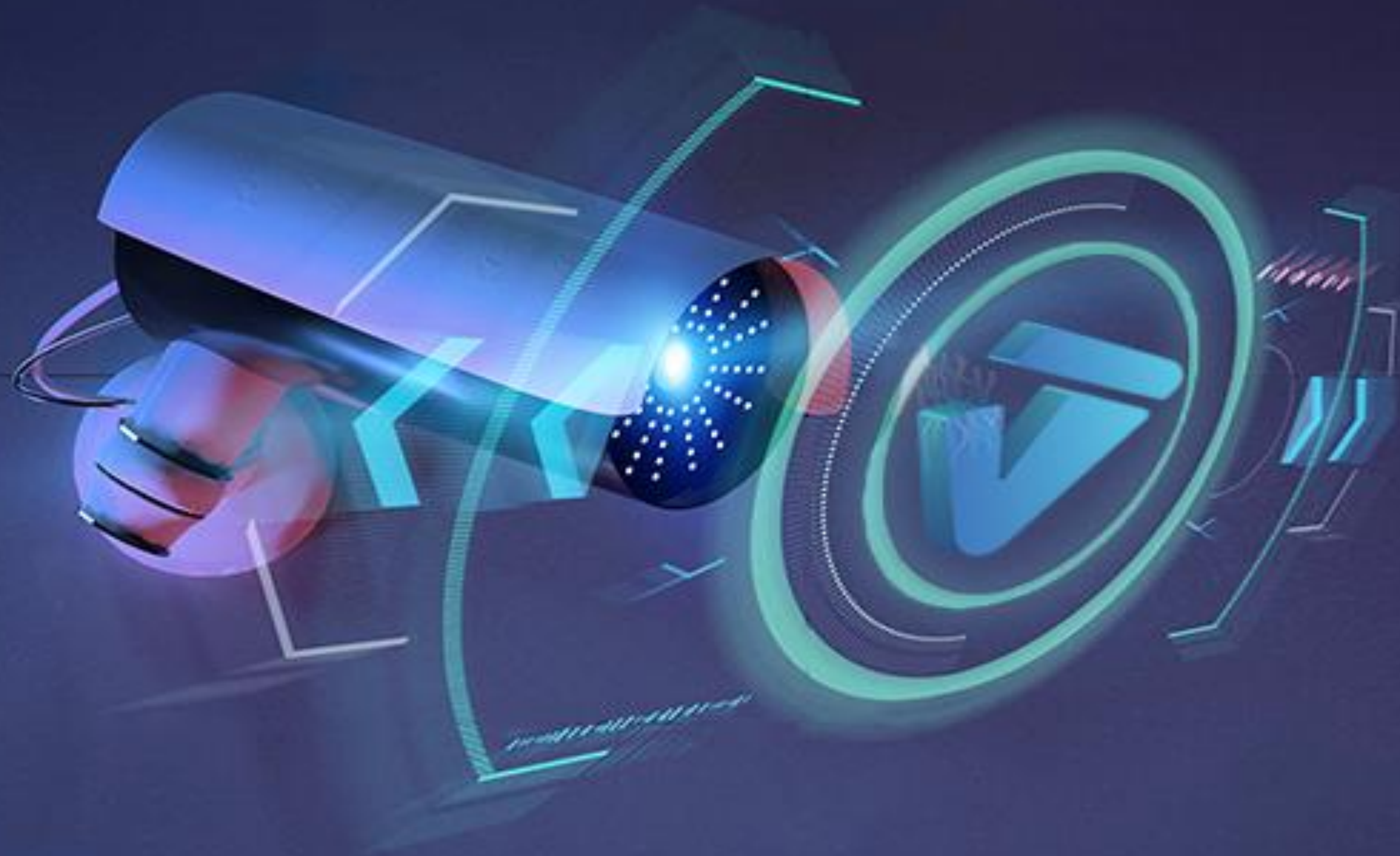
JARVIS

AUDIO-VIDEO **ANALYTICS** SOLUTION

Problem: Surveillance is human dependent, there aren't enough to cover the increasing cameras



Not enough manpower to man it !



**JARVIS: TURN YOUR EXISTING CCTVs
SMARTER**



SAFETY & SECURITY MODULE : 85+ ANALYTICS



PROTEST / ROAD BLOACK IDENTIFICATION (



VEHICLE RECOGNITION



STALKING RECOGNITION



HITTING WOMEN

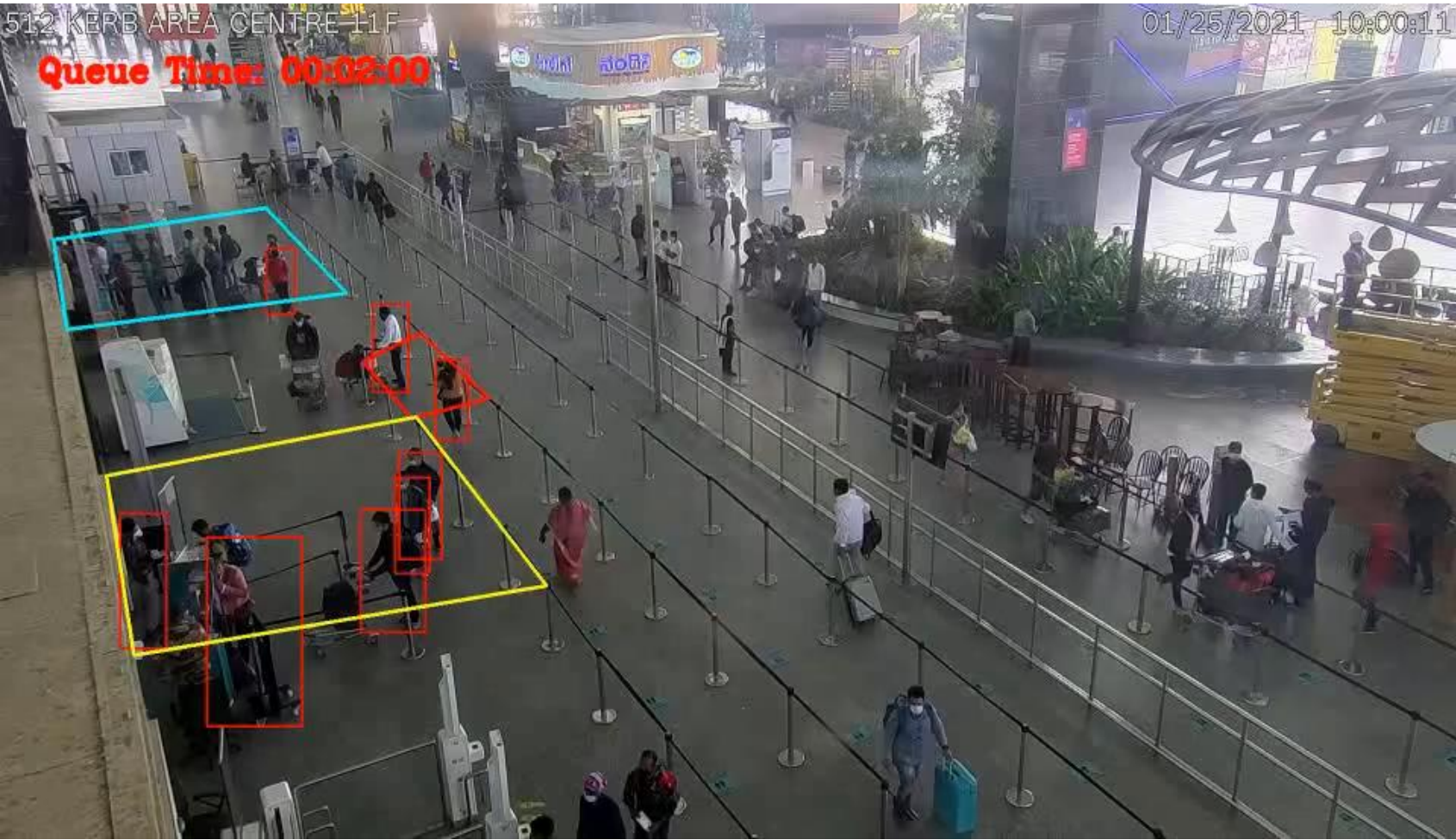


STRANDED BODY ALERT

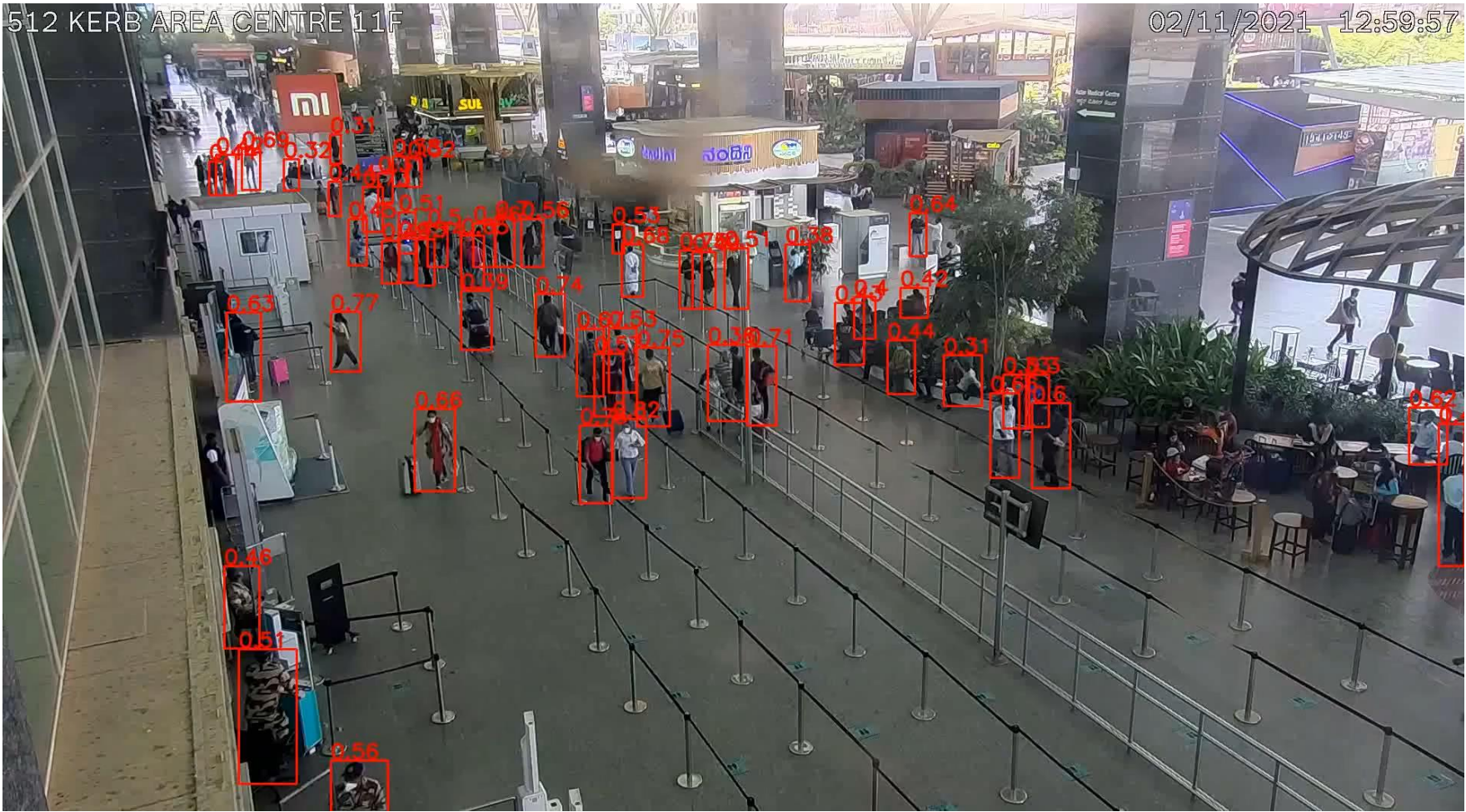


GRAFFITI ALERT

Demo ANALYTICS



Queue Management

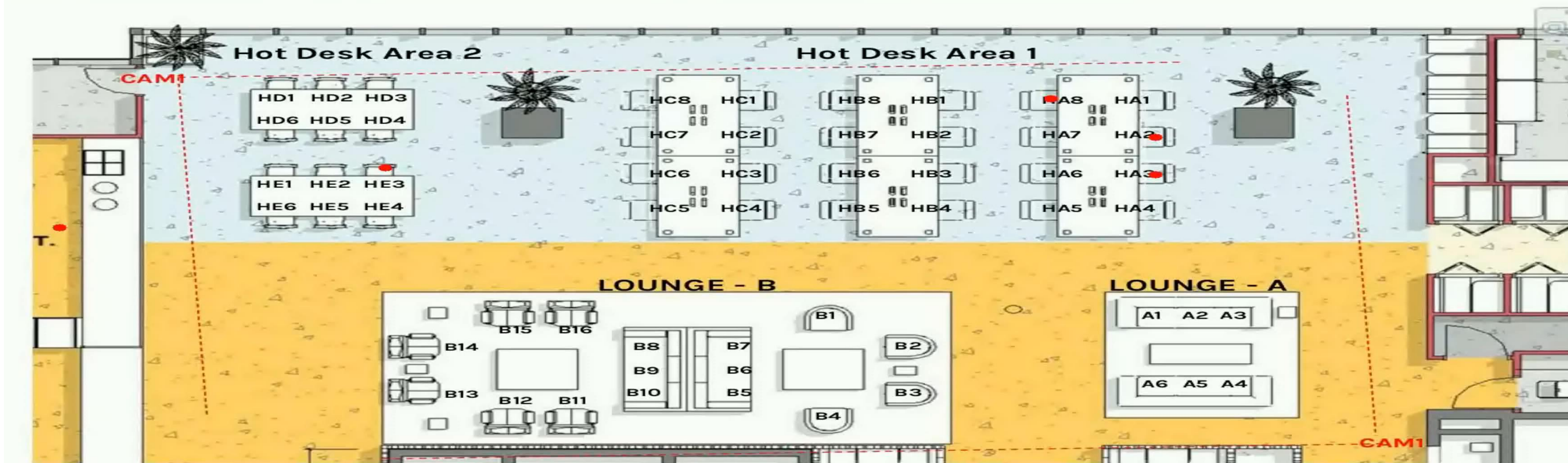
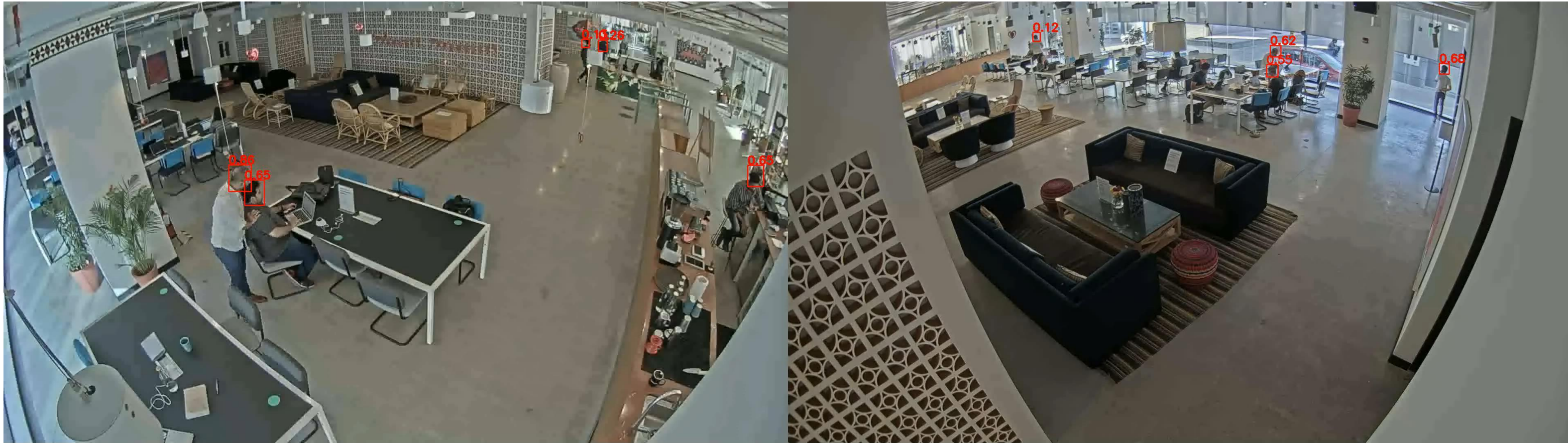


Footfall Count

Identifying crime against women using JARVIS



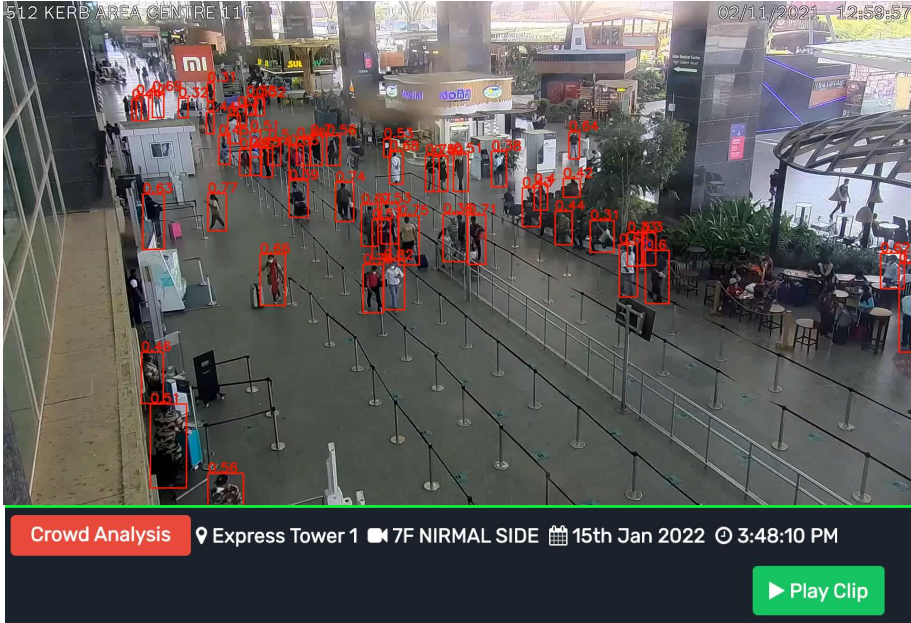
Planogram monitoring: Demo



JARVIS: Other Analytics



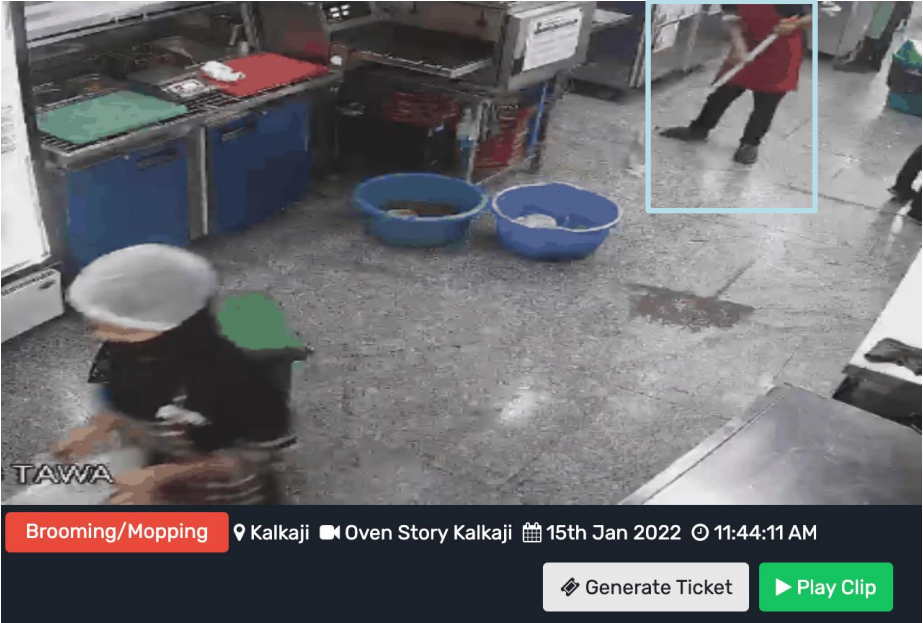
Fire Alert



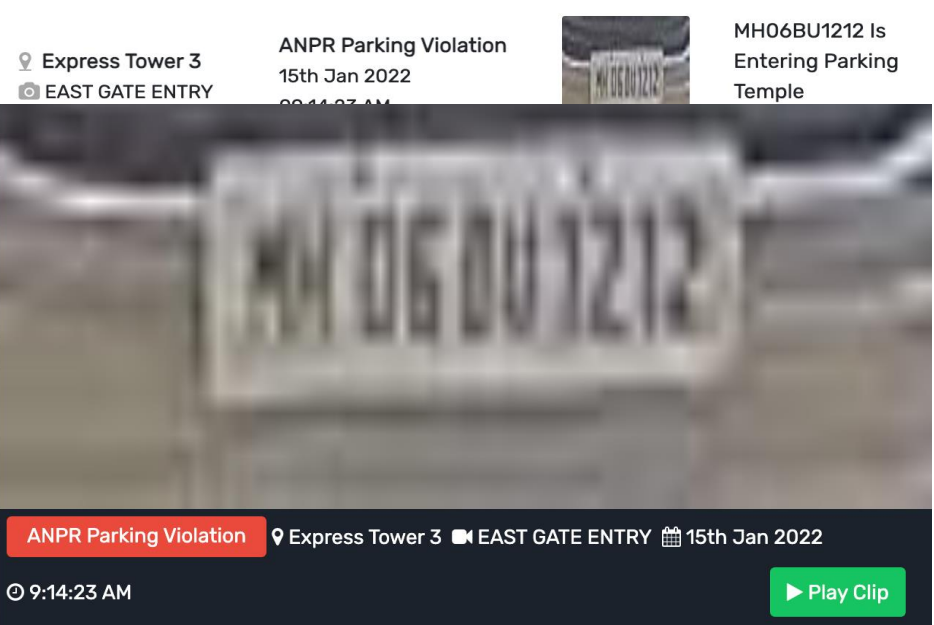
Crowd Alert



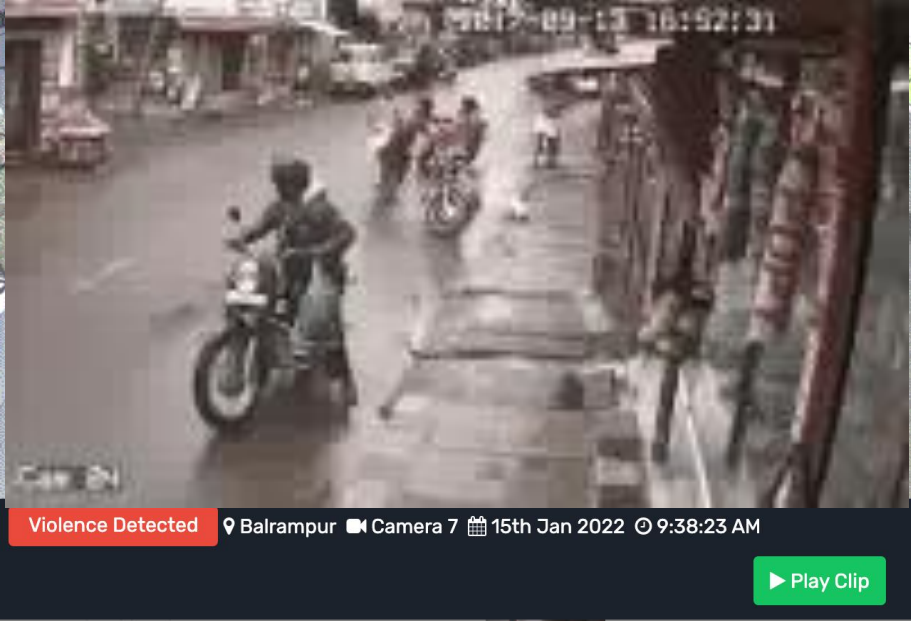
No Apron-Hygiene Alert



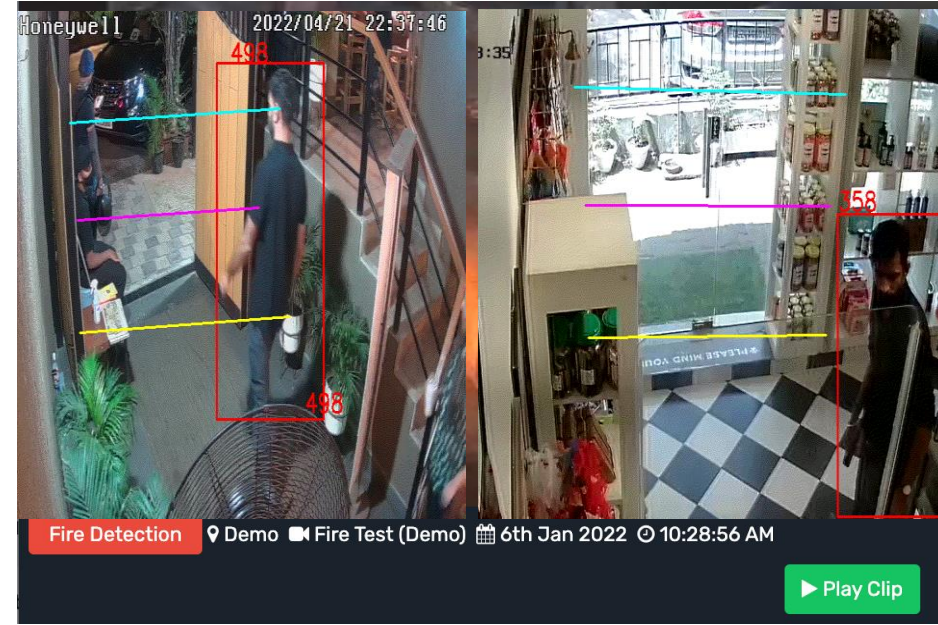
Cleaning-Mopping Alert



ANPR: Parking Violation Alert
(Low Resolution)



Violence Alert



Footfall Analysis

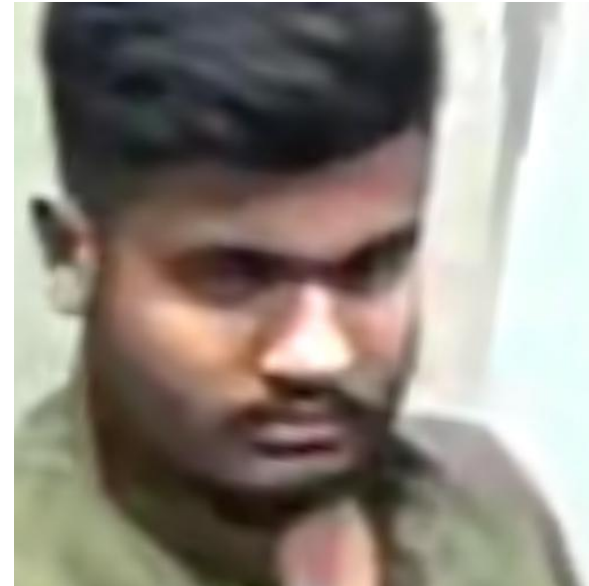


Suspicious Person Alert

Forensics : Loot case solved using CCTV clip and JARVIS



CCTV Footage



AI powered Super Resolution



Ludhiana Loot case: उत्तर प्रदेश से आकर केसरगंज मंडी में 32 लाख लूटने वाले 3 बदमाश गिरफ्तार; एक फरार

Author: **Vipin Kumar**

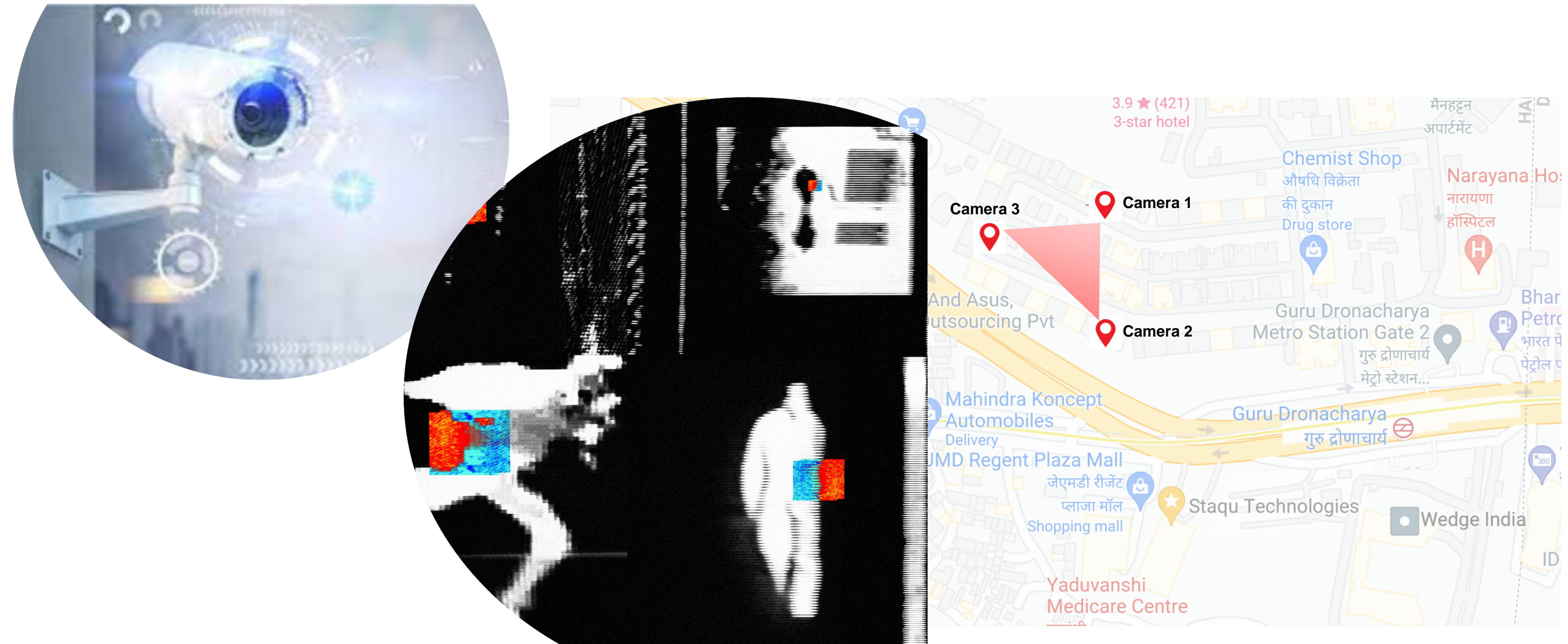
Publish Date: Sat, 07 May 2022 09:32 AM (IST)

Updated Date: Sat, 07 May 2022 09:32 AM (IST)



आठ अप्रैल की शाम को आयल ट्रेडर के दफ्तर में हुई लूट के मामले को पुलिस ने सुलझा दिया है। उत्तर प्रदेश के आजमगढ़ जिले के रहने वाले तीन लुटेरों को गिरफ्तार किया गया है। - वारदात के बाद आरोपित पहले दिल्ली फिर

SAFETY & SECURITY MODULE : AUDIO ANALYTICS









GUNSHOT TRIANGULATION USING CCTV CAMERA

SAFETY & SECURITY MODULE : TRINETRA at UP112

FILTERS

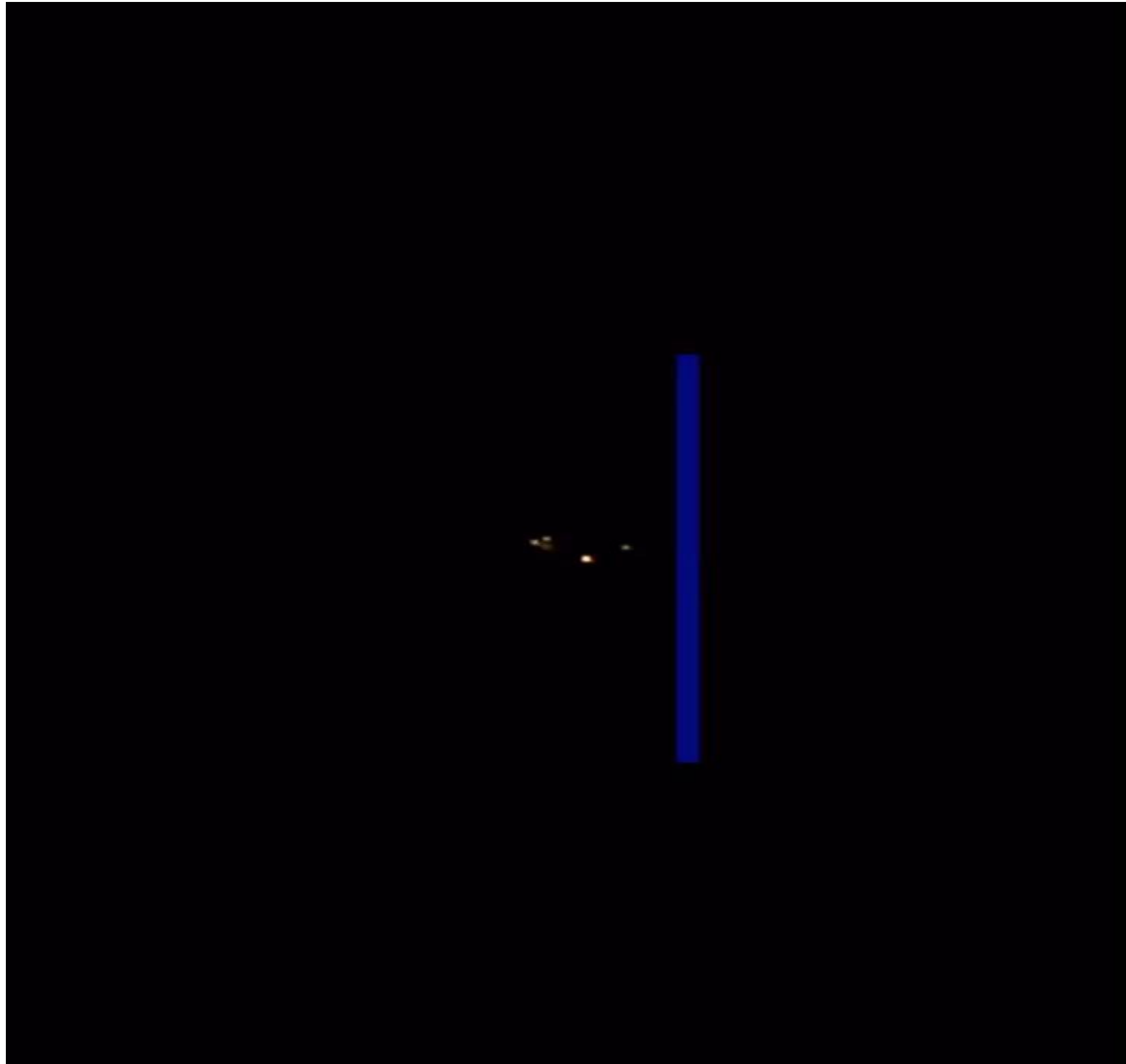
Criminal Records

748079 Criminals

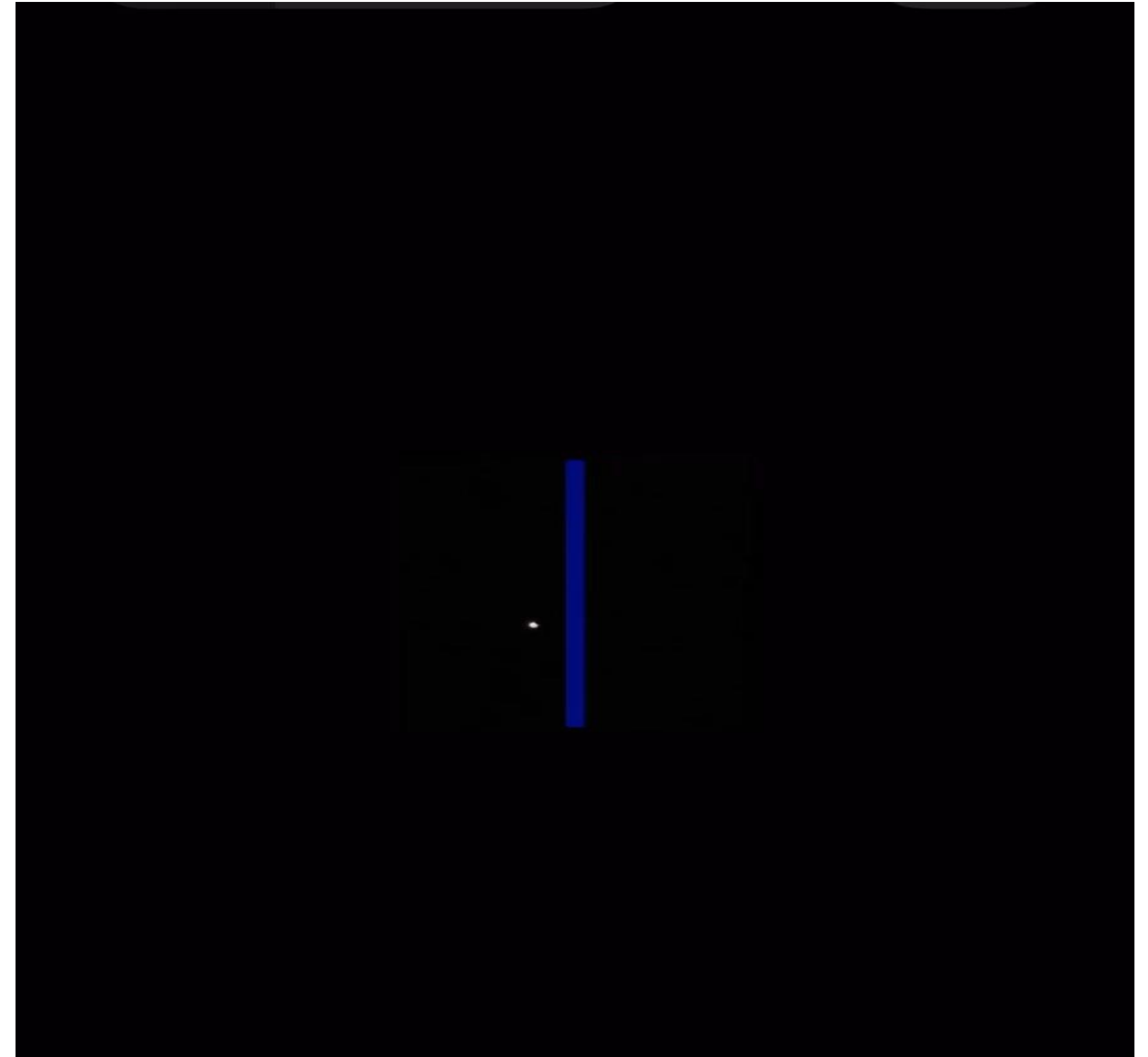
	Photo Identity	Criminal Id	Criminal Full name	Alias	Father's Name	FIR No.	FIR District		Category	District/GRP	Place of Posting	Recorded By	Created On	Last Updated	Delete
1		00897875	Naresh Saini		Jaypal	188	Moradabad (NAGFANI)		Others	Moradabad	NAGFANI	Moradabad(NAGFANI) Data Feeder	Sept. 22, 2021, 5:27 p.m.	Sept. 22, 2021, 5:41 p.m.	
2		00897858	Mo. Gosh		Sameer	526	Moradabad (MAJHOLA)		Others	Moradabad	NAGFANI	Moradabad(NAGFANI) Data Feeder	Sept. 22, 2021, 5:08 p.m.	Sept. 22, 2021, 5:41 p.m.	
3		00897830	Beena Kashap		Kisanpal	10	Moradabad (NAGFANI)		Others	Moradabad	NAGFANI	Moradabad(NAGFANI) Data Feeder	Sept. 22, 2021, 4:42 p.m.	Sept. 22, 2021, 5:41 p.m.	

8 Lakhs Criminal Record for
facial recognition

SAFETY & SECURITY MODULE : DRONE DETECTION



Optical Intelligence : Virtual Boundary based drone detection 80 Mtr 5 x zoom



Optical Intelligence : Virtual Boundary based drone detection 150 Mtr 10 x zoom

SAFETY & SECURITY MODULE : EOI & ROI

Intrusion Detection
Event: Enabled Alerts: ON ^

Time Interval

Select Start Time

Select End Time

+ Add

Alerts
OFF ☒ ON

Event
OFF ☒ ON

Threshold

Minimum value should be

Voting Count

Alert Gap Duration (in Sec)

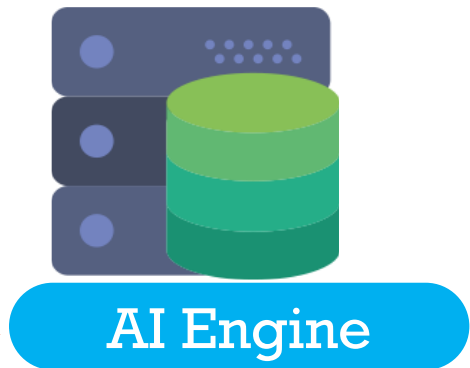
☒ Set Email/SMS configuration ▾

RESET

SAVE

Polygon Rectangle Red Yellow Black
Undo Clear ROI Create ROI

REALTIME STREAMING & ANALYTICS THROUGH MOBILE APP



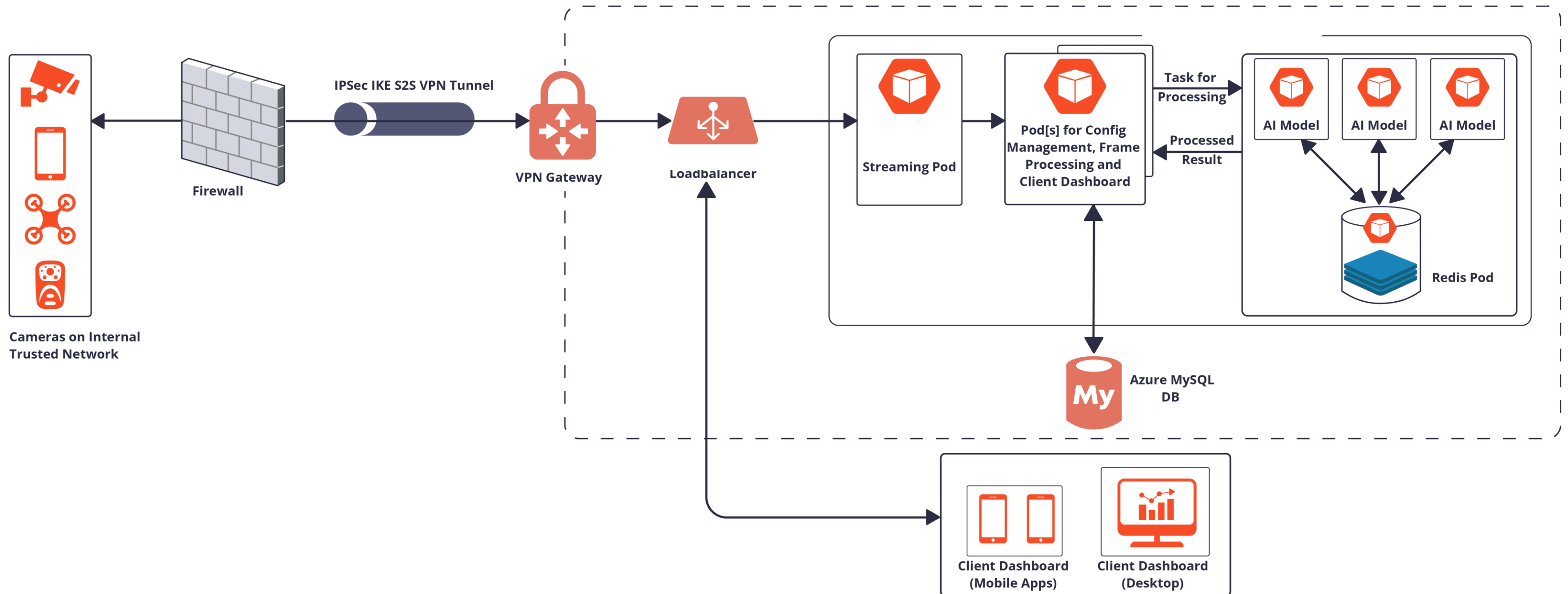
GET THE FEED FROM GROUND ZERO

Camera Independent Implementation

18

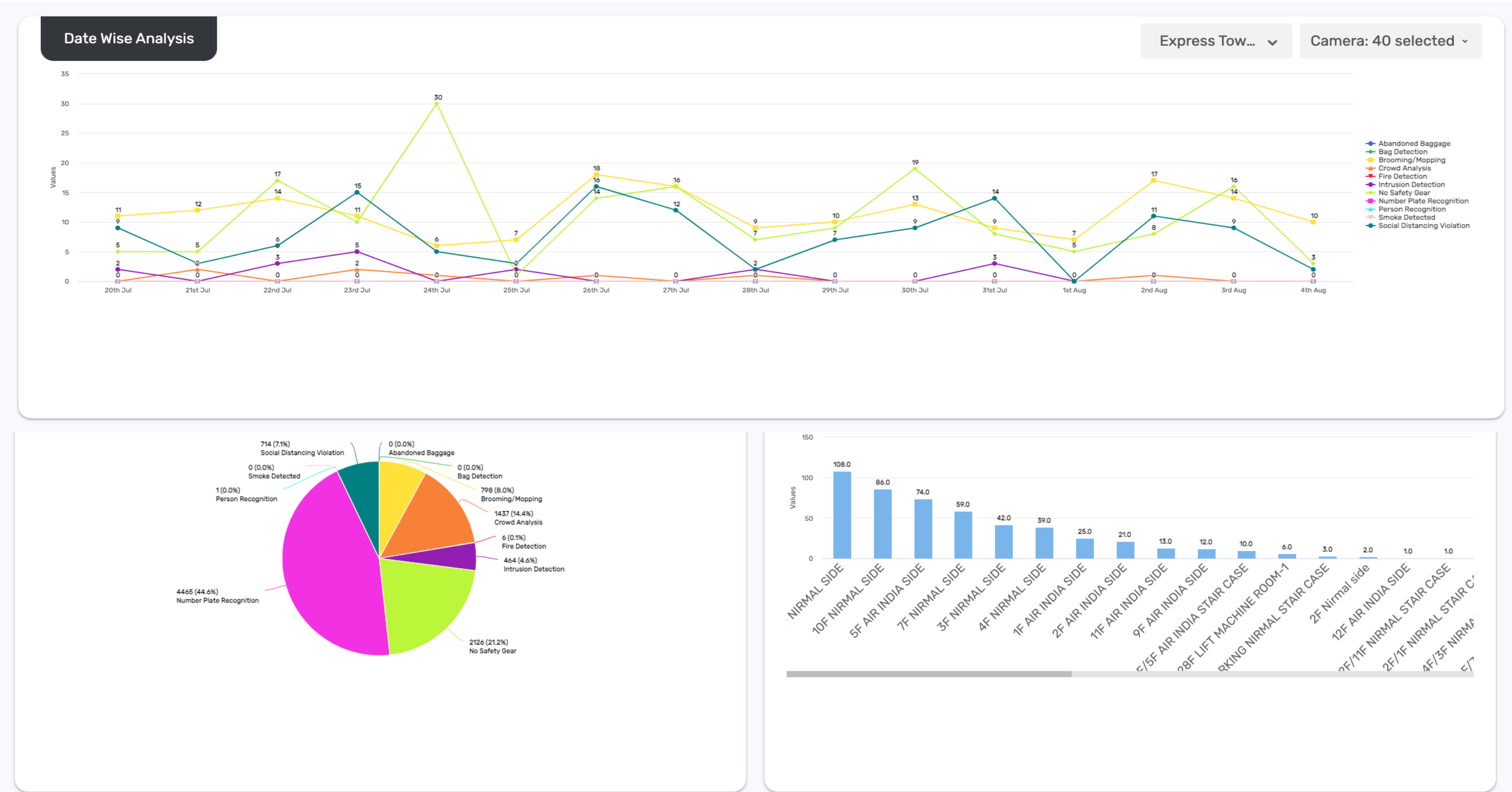
/ Support all kind of video streaming /

IP Camera, Analog Camera, Drone Camera, Mobile App for streaming, Vehicle mounted camera



Highly scalable plug & play: supports cloud, edge, hybrid

SAFETY & SECURITY MODULE : EVENT ANALYTICS



SAFETY & SECURITY MODULE : VEHICLE ANALYTICS

Vehicles Registered 13807

Parking Status

Vehicles Parking Capacity 1000

Parking Filled 11517

Parking Leftover -10517

Parking Filled For Long 11148

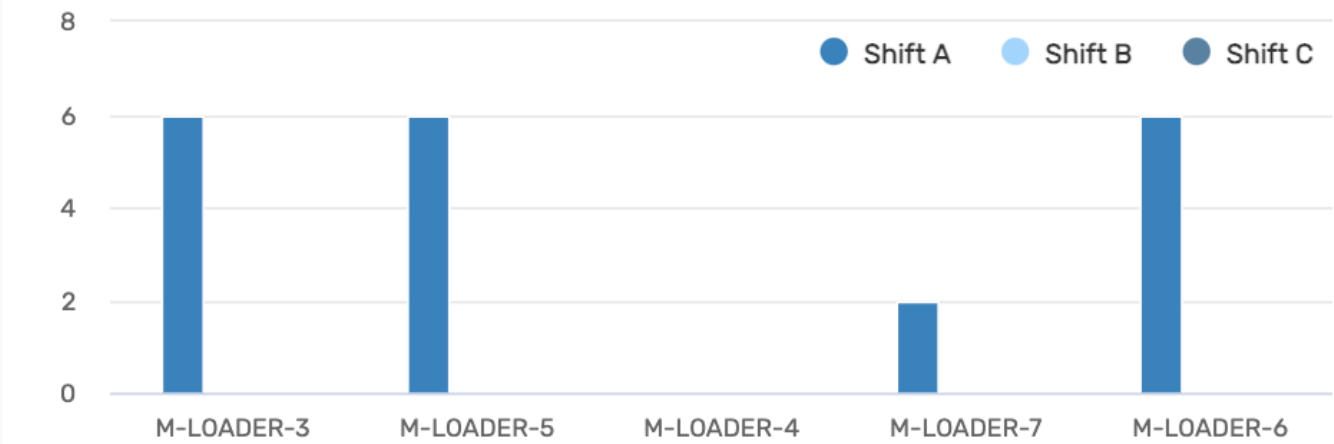
Today's Vehicle Detected

LIVE Count

Camera	Vehicle Detected	Violations
M-WB-05-IN	237	0
M-L2-DIS-GATE-OUT	239	3
M-L2-DIS-GATE-IN	251	4
M-P1-YARD-OUT	248	0
M-P1-YARD-IN	251	0

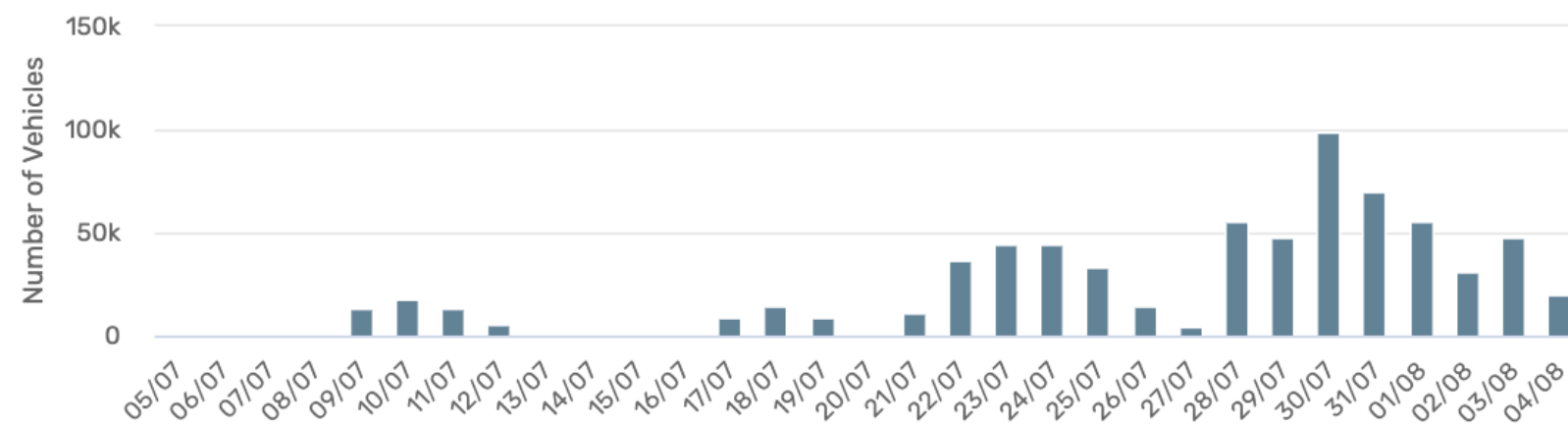
Loading in Shifts

04/08/2021



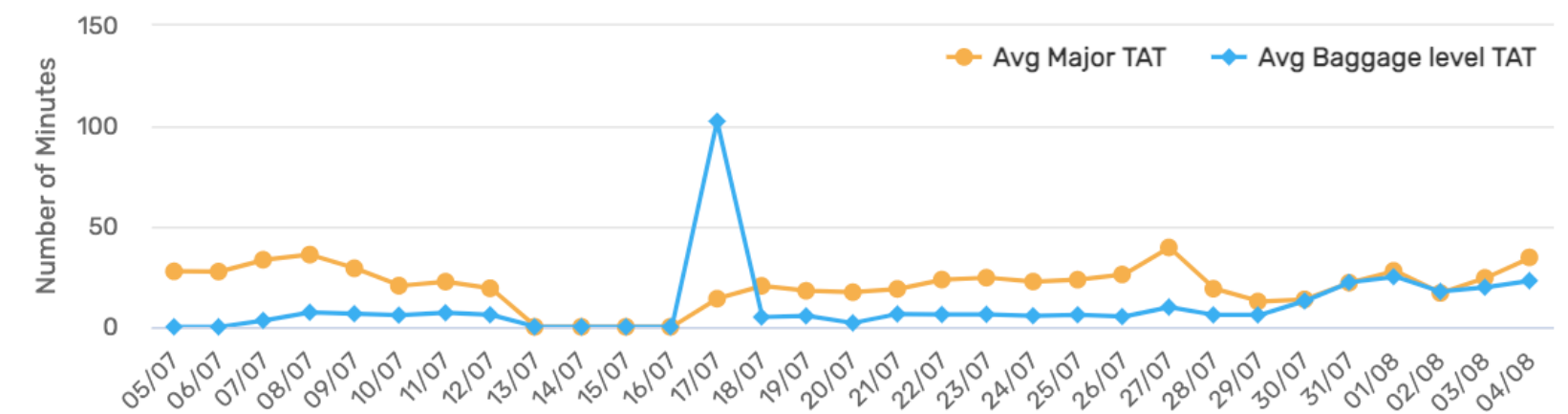
Baggage Loaded

05/07/21 - 04/08/21



TAT Evaluation

05/07/21 - 04/08/21



SAFETY & SECURITY MODULE : OFFLINE REPORTING

TABULAR FORM
Data Representation


DEVIATION	COUNT	PERCENTAGE
ANPR Routes	5644	100%

DETAILED VIEW
Data Representation

S.NO	LOCATION	FEED	EVENT TYPE	IMAGE URL	TIME	RESULT
1	Mangrol	M-P-1-YARD-IN	ANPR Routes	Link	20th Jul 2021, 04:14:29 PM	RJ09GD3258: Whitelisted: going in
2	Mangrol	M-WB-05-OUT 2 PF 2	ANPR Routes	Link	20th Jul 2021, 04:13:03 PM	RJ06GB7752: Whitelisted: going out
3	Mangrol	M-L2-DIS-GATE-IN	ANPR Routes	Link	20th Jul 2021, 04:12:58 PM	RJ27GC0252: Whitelisted: going in
4	Mangrol	M-WB-05-IN 1 PF 1	ANPR Routes	Link	20th Jul 2021, 04:12:35 PM	RJ14GE2777: Whitelisted: going in
5	Mangrol	M-WB-05-IN 1 PF 1	ANPR Routes	Link	20th Jul 2021, 04:10:46 PM	RJ27GB6474: Whitelisted: going in
6	Mangrol	M-L2-DIS-GATE-IN	ANPR Routes	Link	20th Jul 2021, 04:10:12 PM	RJ14GE2777: Whitelisted: going in
7	Mangrol	M-WB-05-IN 1 PF 1	ANPR Routes	Link	20th Jul 2021, 04:09:26 PM	RJ27GB5436: Whitelisted: going in
8	Mangrol	M-L2-DIS-GATE-OUT	ANPR Routes	Link	20th Jul 2021, 04:08:51 PM	RJ09GC4949: Whitelisted: going out
9	Mangrol	M-P-1-YARD-IN	ANPR Routes	Link	20th Jul 2021, 04:08:42 PM	RJ09GC7414: Whitelisted: going in
10	Mangrol	M-L2-DIS-GATE-IN	ANPR Routes	Link	20th Jul 2021, 04:08:21 PM	RJ27GB6474: Whitelisted: going in
11	Mangrol	M-WB-05-IN 1 PF 1	ANPR Routes	Link	20th Jul 2021, 04:07:28 PM	RJ20GA8715: Whitelisted: going in
12	Mangrol	M-L2-DIS-GATE-IN	ANPR Routes	Link	20th Jul 2021, 04:05:24 PM	RJ20GA8715: Whitelisted: going in
13	Mangrol	M-WB-05-IN 1 PF 1	ANPR Routes	Link	20th Jul 2021, 04:04:06 PM	RJ23GB7523: Whitelisted: going in
14	Mangrol	M-L2-DIS-GATE-OUT	ANPR Routes	Link	20th Jul 2021, 04:03:50 PM	RJ09GC4949: Whitelisted: going out
15	Nimbahera	N-DIS-WB-P2-OUT	ANPR Routes	Link	20th Jul 2021, 04:03:07 PM	RJ09GC8863: Whitelisted: going out
16	Mangrol	M-WB-05-IN 1 PF 1	ANPR Routes	Link	20th Jul 2021, 04:03:05 PM	RJ01GC3696: Whitelisted: going in
17	Mangrol	M-WB-05-OUT 1 PF 1	ANPR Routes	Link	20th Jul 2021, 04:02:01 PM	RJ09GA5031: Whitelisted: going out
18	Mangrol	M-P-1-YARD-IN	ANPR Routes	Link	20th Jul 2021, 04:01:23 PM	RJ32GC2654: Whitelisted: going in
19	Mangrol	M-WB-05-OUT 2 PF 2	ANPR Routes	Link	20th Jul 2021, 04:00:49 PM	RJ09GC4949: Whitelisted: going out
20	Nimbahera	N-DIS-WB-P1-IN	ANPR Routes	Link	20th Jul 2021, 03:58:23 PM	RJ31GB0295: Whitelisted: going in
21	Nimbahera	N-DIS-WB-P2-OUT	ANPR Routes	Link	20th Jul 2021, 03:58:06 PM	RJ09GC8863: Whitelisted: going out
22	Mangrol	M-L2-DIS-GATE-OUT	ANPR Routes	Link	20th Jul 2021, 03:57:14 PM	RJ23GB7523: Whitelisted: going out
23	Nimbahera	N-DIS-WB-P1-IN	ANPR Routes	Link	20th Jul 2021, 03:54:55 PM	RJ09GB0415: Whitelisted: going in
24	Mangrol	M-P-1-YARD-IN	ANPR Routes	Link	20th Jul 2021, 03:54:38 PM	RJ09GC7528: Whitelisted: going in
25	Nimbahera	N-DISPATCH-IN	ANPR Routes	Link	20th Jul 2021, 03:52:43 PM	RJ31GB0295: Whitelisted: going in
26	Nimbahera	N-DISPATCH-IN	ANPR Routes	Link	20th Jul 2021, 03:51:56 PM	RJ09GB0415: Whitelisted: going in

Print34 sheets of paper

Destination

 Samsung SCX-3400 S

Pages

All

Copies


1



More settings

Cancel

Print

SAFETY & SECURITY MODULE : FORENSICS

 JARVIS

Logged in as: 744444444  

Event

Person with Face

Locations

× BIAL

Feeds

× BIAL 1

× BIAL 2

× BIAL 3


× BIAL 4

Start & End Date

i/09/2020


i/09/2020

Query Image



Upload Image

Preview Crop



RESET





SEARCH

Date: 2020-09-25

Results: 14

Time: 18:19:17 - 18:29:17

Results: 4

DATE	TIME	CAMERA NAME	LOCATION NAME	MATCHED IMAGE	SCORE
2020-09-25	18:29:17	BIAL 1	BIAL		1.31
2020-09-25	18:29:16	BIAL 1	BIAL		1.47
2020-09-25	18:20:12	BIAL 1	BIAL		1.49
2020-09-25	18:19:44	BIAL 1	BIAL		1.46

Time: 17:31:17 - 17:41:17

Results: 1

Time: 15:25:59 - 15:35:59

Results: 2

Time: 13:23:14 - 13:33:14

Results: 4

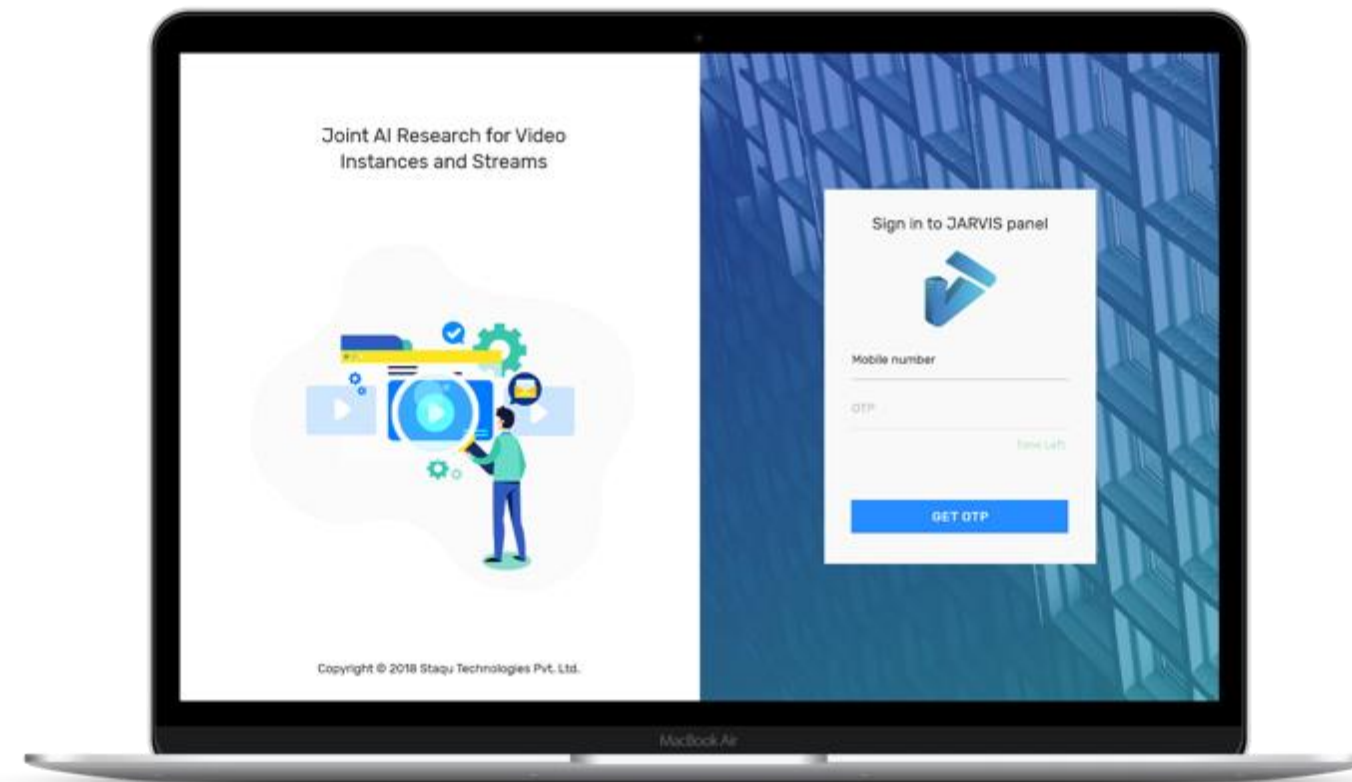
Time: 12:50:42 - 13:00:42

Results: 3

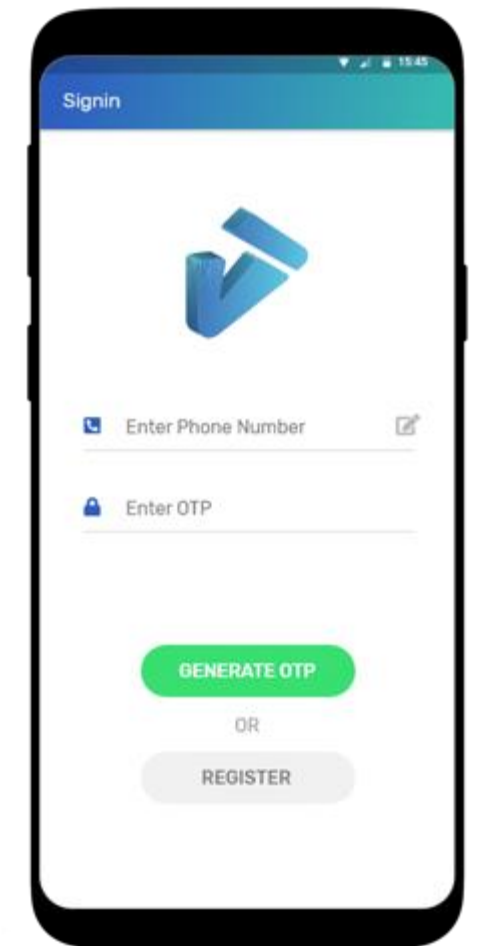
COMPONENTS OF JARVIS



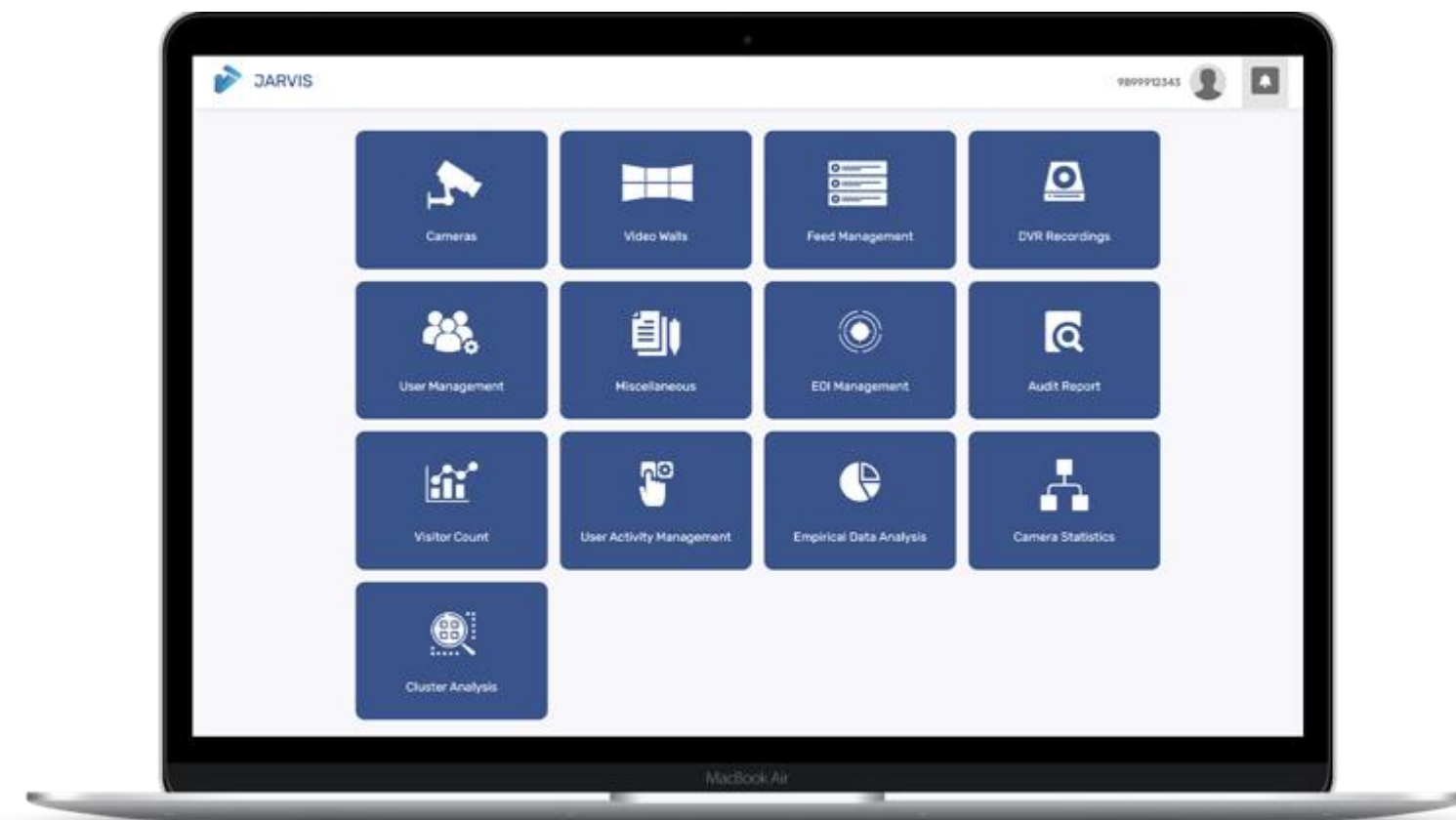
VIDEO WALL SOFTWARE
(REAL - TIME ALERTS)



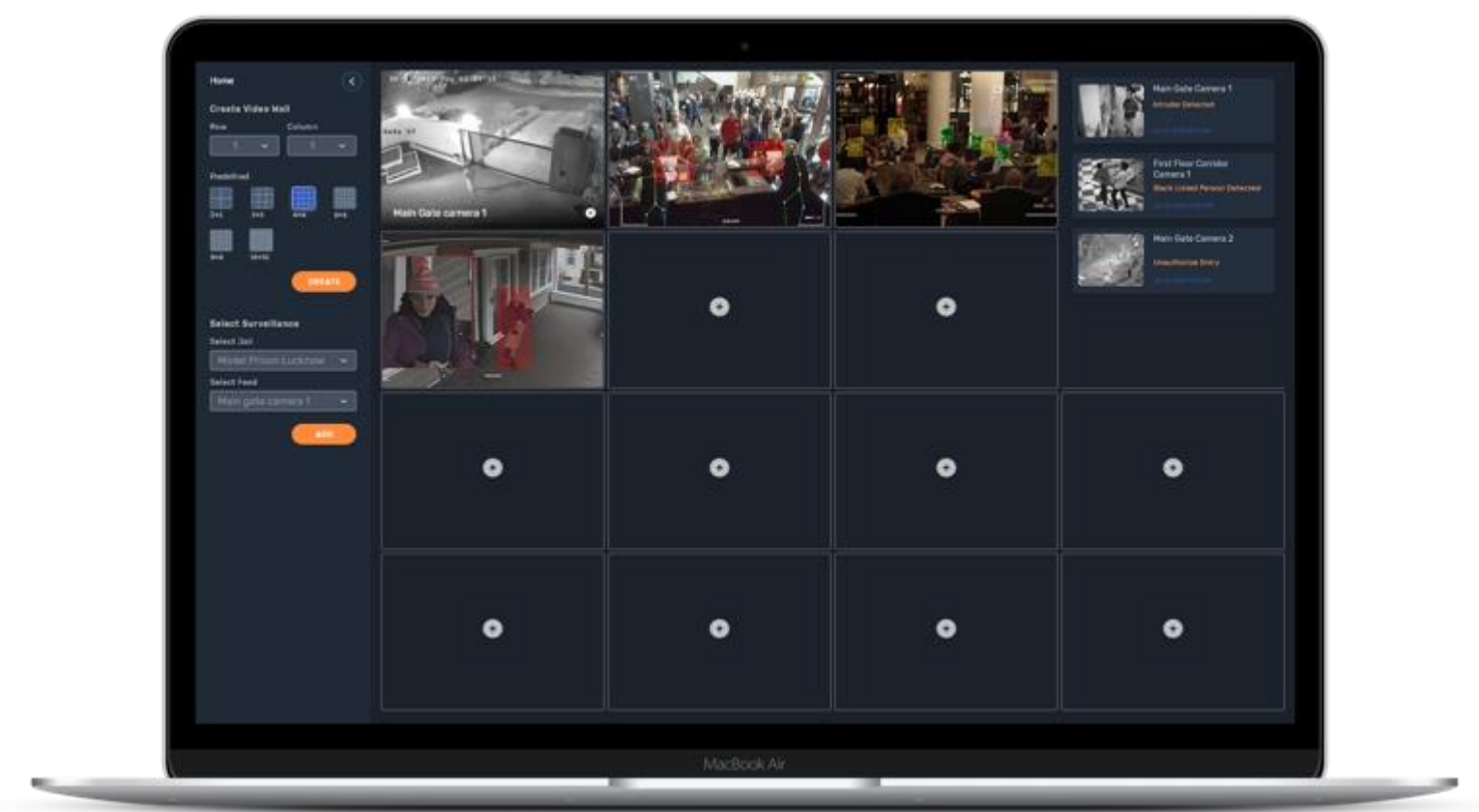
DESKTOP SOFTWARE



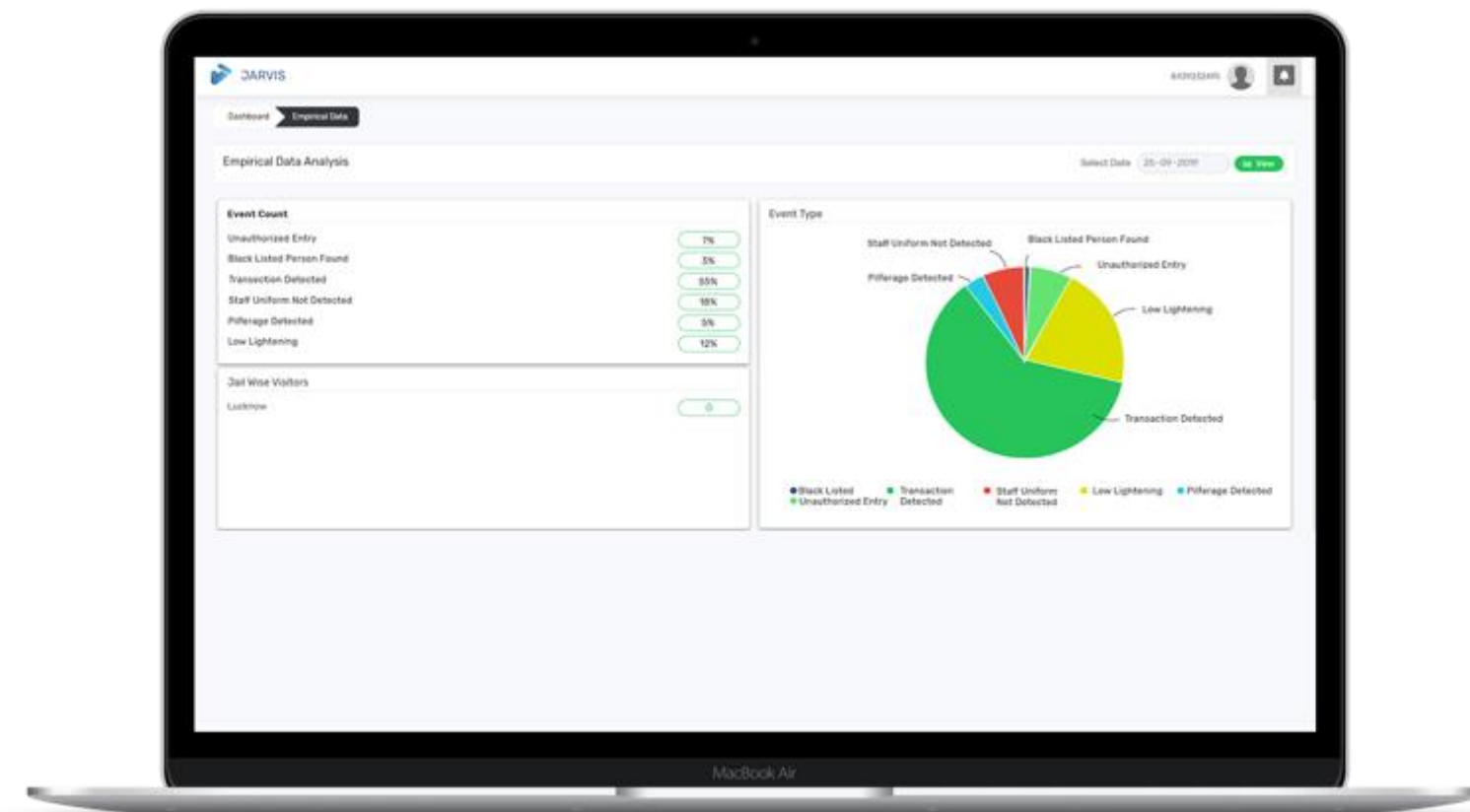
MOBILE APP



JARVIS VMS DASHBOARD



REAL TIME ALERTS ON VIDEO WALL



REPORTS & ANALYTICS

The JARVIS VMS interface displays the 'Audit Report' section on a laptop screen. The section is titled 'Audit Report' and includes a 'Download Report No.' dropdown set to '1'. The main content area is a table with columns: 'S.NO', 'JOB', 'FEED', 'EVENT TYPE', 'TIME', 'IMAGE', and 'PLAYBACK'. The table contains three rows of data:

S.NO	JOB	FEED	EVENT TYPE	TIME	IMAGE	PLAYBACK
1	Lockdown	Cam8	Intrusion Detection	25-09-2019 14:56:53		View
2	Lockdown	Cam8	Piracy Detected	25-09-2019 14:45:48		View
3	Lockdown	Cam8	Black Listed Person Detected	25-09-2019 14:43:40		View

AUDIT REPORTING & TRACKING

JARVIS RESPONSE SYSTEM

TMS

Dashboard

Notifications

DATE

12/06/2020 - 12/21/2020

ASSIGNED BY

-- select ---

ASSIGNED TO

-- select ---

STATUS

-- select ---

PRIORITY

-- select ---

TICKET ID	EVENT TYPE	DATE OF ASSIGN	ASSIGNED BY	ASSIGNED TO	PRIORITY	STATUS	Due Date	
63	No Hand glove	2020-12-16 17:53:20	Mayank Staqu	Tarun Gulati	MEDIUM	open	2020-12-27	👁 View Details
62	No Hand glove	2020-12-16 17:52:50	Mayank Staqu	Mayank Mahajan	HIGH	open	2020-12-23	👁 View Details
61	No Apron	2020-12-09 17:52:53	Ramankit Singh	Mayank Staqu	HIGH	closed	2020-12-09	👁 View Details
60	No Safety Gear	2020-12-09 17:39:34	Ramankit Singh	Mayank Staqu	HIGH	open	2020-12-09	👁 View Details
59	No Safety Gear	2020-12-09 17:38:55	Ramankit Singh	Mayank Staqu	HIGH	open	2020-12-09	👁 View Details
58	Social Distancing Violation	2020-12-09 12:41:18	Mayank Mahajan	Mayank Staqu	HIGH	open	2020-12-24	👁 View Details
57	Social Distancing Violation	2020-12-09 12:40:22	Mayank Mahajan	Mayank Staqu	HIGH	open	2020-12-16	👁 View Details
56	Social Distancing Violation	2020-12-09 12:38:09	Mayank Mahajan	Mayank Staqu	HIGH	open	2020-12-12	👁 View Details
55	Social Distancing Violation	2020-12-09 12:37:16	Mayank Mahajan	Mayank Staqu	LOW	open	2020-12-11	👁 View Details
54	Social Distancing Violation	2020-12-09 12:31:20	Mayank Mahajan	Mayank Staqu	LOW	open	2020-12-25	👁 View Details

TICKET MANAGEMENT SYSTEM

MEDIA COVERAGES

Forbes

Magazine Lists Web Specials Thought Leadership ...

Home / Multimedia / Videos / This startup modified its AI prison monitor to fight Covid-19

This startup modified its AI prison monitor to fight Covid-19

Staqu's flagship product, Jarvis, enables the police to remotely track CCTV on inmates; now, Jarvis identifies whether those entering the prison are wearing masks and complying with PPE regulations. Staqu has also built a thermal camera for Covid-19 detection.

By: Varsha Meghani

Published: Apr 13, 2020

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Last Updated : Apr 15, 2020 02:27 PM IST | Source: Moneycontrol.com


Five start-ups assisting government to combat COVID-19 crisis

Here are five start-ups which have come up with a digital solution to tackle the ongoing Coronavirus crisis.

Moneycontrol News
@moneycontrolcom

WhatsApp Facebook Twitter LinkedIn

Razorpay
Start Accepting Payments with or without a Website



(iStock)

Staqu uses AI to help police find missing children

2 min read . Updated: 01 May 2019, 12:23 PM IST

Nandita Mathur

- According to records of the National Crime Records Bureau, over 60,000 children alone go missing every year in India
- Staqu is currently live with three state-level police departments – Rajasthan, Uttarakhand, and Uttar Pradesh

STARTUP

Gurugram-based startup Staqu has modified AI-powered JARVIS to battle coronavirus

AI startup Staqu Technologies has adapted its product, JARVIS, to identify people flouting social distancing norms, measure body temperature, and help doctors monitor patients. It is also working to help put delivery of essentials back on track.

By Shreya Ganguly

Covid-19 impact: Dineout deploys Staqu's 'JARVIS' to ensure safety guidelines at restaurants

Hemani Sheth | Mumbai | Updated on June 10, 2020 | Published on June 10, 2020



Restaurant technology platform Dineout has collaborated with India-based AI company, Staqu to assist partner restaurants in maintaining social distancing norms using Staqu's AI tool 'Jarvis.'

UTTAR PRADESH GOVERNMENT PARTNERS WITH STAQU TO INTRODUCE AI-BASED VIDEO ANALYTICS PLATFORM, JARVIS, IN PRISONS

By Digit NewsDesk | Published on 07 Nov 2019

Share on Facebook Tweet it

NEWS

Gurugram Startup Staqu Develops AI Surveillance System For Uttar Pradesh Prisons

Kritti Bhalla
Inc42 Staff
08 Nov'19 • 2 min read

SHARE STORY

WhatsApp Facebook Twitter LinkedIn

- The AI-backed video analytics platform is called Jarvis
- The programme is developed by Gurugram-based startup Staqu
- The system will allow UP Police to track 700 cameras

OUR LAURELS & ACCOLADES



TIE LUMIS
AWARD



IAMAI AWARD



NASSCOM AI GAME
CHANGER



TOP-17
STARTUPS
TIMES OF INDIA



WINNER
OF IBM GEP
AWARD 2016



WINNER
OF IBM GEP
AWARD 2015