

**KORNEA** AI™

# AI-powered Computer Vision Solution

## Abstract

Organizations often struggle with their measures for optimum efficiency and uncompromised data security. While the former demands fluid and transparent utilization of manpower, the latter demands strict vigilance while being compliant, especially in the era of hybrid working models.

## Introduction

Tech Mahindra brings Kornea, an AI-powered platform that brings together productivity and data security under a truly digital and smart umbrella, addressing:



Lack of transparency in employee's time utilization



Missing demarcation on application usage



Absence of insights on non-productive work activities



Data security and compliance

## Our Solution

KORNEA is our cloud-native modern compliant platform to gain insight on employee productivity using AI-powered computer vision and advanced analytics. Kornea presents data on employee activities for tracking efficiency and data threat while maintaining a transparent culture between all. It can be extremely powerful when integrated with ITSM, WFM, QMS, and CCT systems, enabling visibility and insights to better decision making. Moreover, prediction models can be built on historical trend analysis.



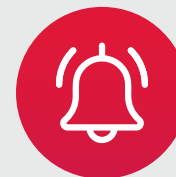
### Real-time

Visibility of login status.  
AI based camera monitoring



### Ease of Deployment

Deployment within weeks



### Triggers

Automated triggers based on user action.



### AI-Powered

AI engine for data security and compliance



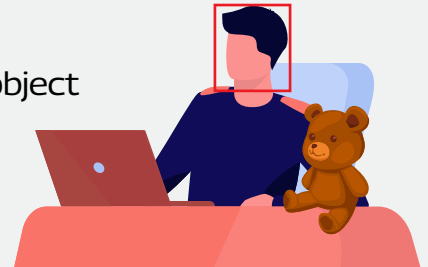
### Analytics

Detailed analysis on time spent on various applications and activities.

# Benefits of AI-Powered Computer Vision

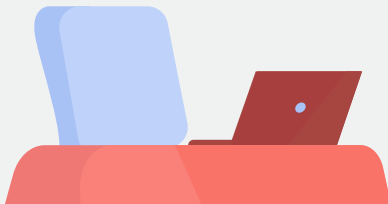
## Unauthorized Access

- Face Registration and Authentication
- Lock machine in case of unauthorized access
- Detects difference between human face and inanimate object
- Alert Audit team on real time basis



## Unattended Device

Lock machine if no face detected for a specified period of time.



## Shoulder Surfing

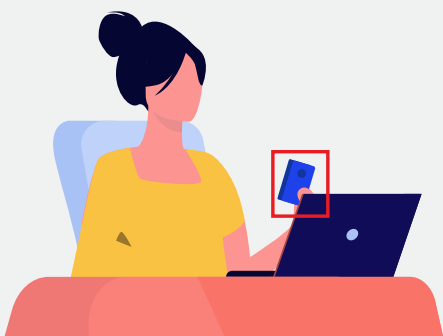
Multiple user detection in front of the camera.



## Mobile phone detection

Mobile phone is detected, if it is in front of the camera.

Screen shot is captured as an evidence during such instance for investigation.



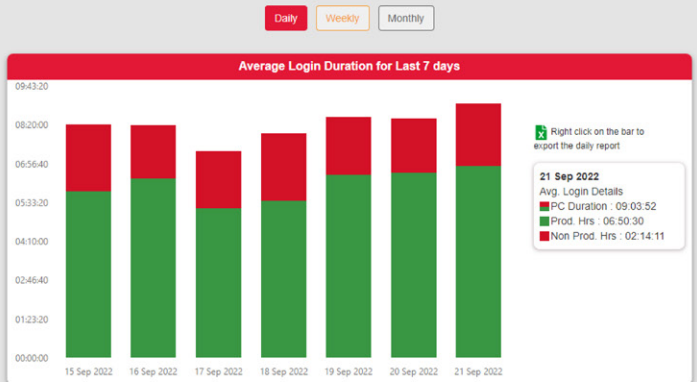
# Highly Visual Reporting Suite

Kornea is an advanced analytical suite using technologies like machine learning, data mining, and predictive modelling with powerful data visualization. The near-real time reports empower businesses to make informed decisions for driving profitability.

## Productivity Report

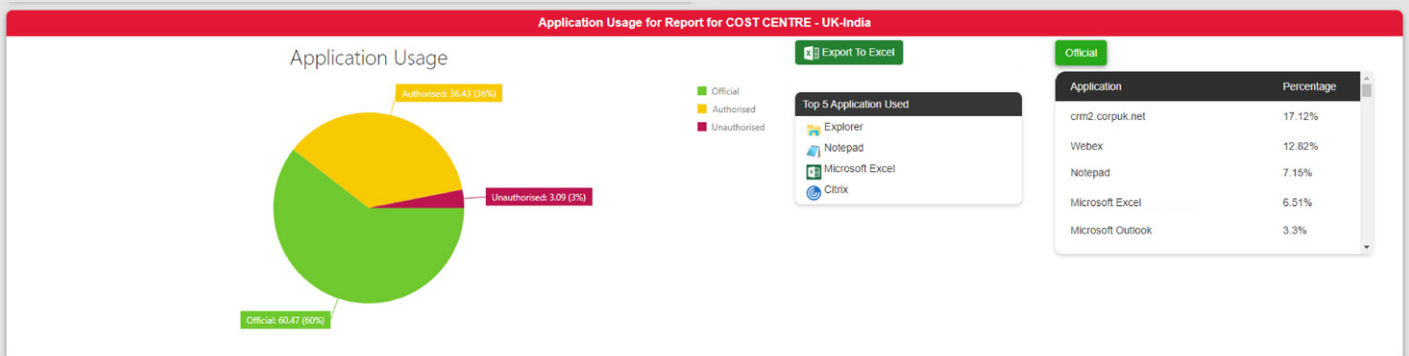
Overall time utilization  
(day/week/month wise)

- ▶ Computed login hours
- ▶ Productive Hours
- ▶ Non Productive hours



## Application Usage Report CC / Skillset / Employee wise

- ▶ Apps Used
- ▶ Time spent on Apps



## Workload Report

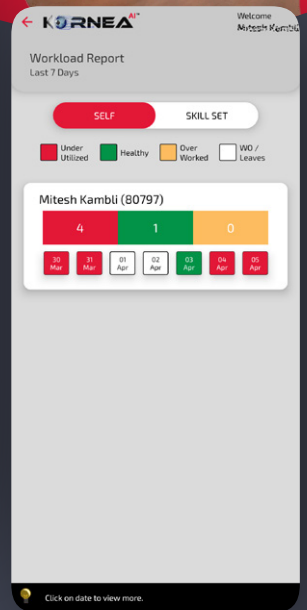
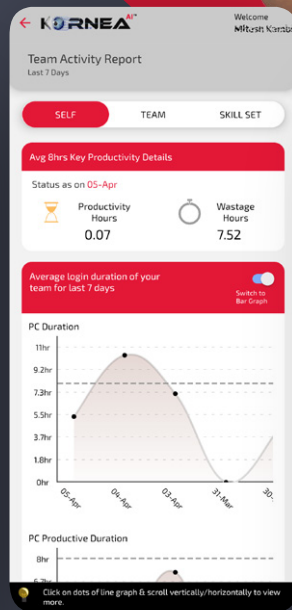
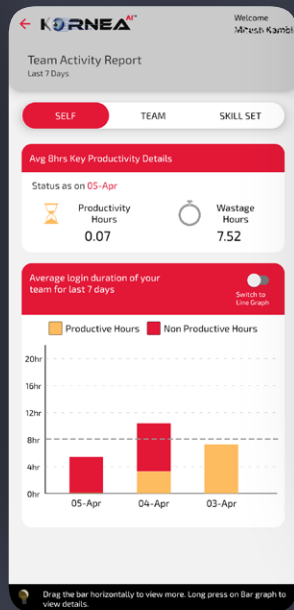
Identifying:

- ▶ Overworked Agents
- ▶ Under-utilized agents

Employee Name	Healthy (07:00-09:00)	Over utilized (More than 09:00)	Under-utilized (Less than 07:00)	01-Sept	02-Sept	03-Sept	04-Sept	05-Sept	06-Sept	07-Sept	08-Sept	09-Sept	10-Sept	11-Sept	12-Sept	13-Sept	14-Sept	15-Sept	16-Sept	17-Sept	18-Sept	19-Sept	20-Sept	21-Sept
Trishit Nair	0	11	0	Late	A	A	A	A	P	P	P	A	P	A	P	P	P	P	P	A	A	A	A	A
Bernice Fonseque	0	7	0	P	P	A	A	A	A	A	A	A	A	A	A	P	P	P	P	A	A	A	A	A
Taraseen Baldinisa	0	14	0	P	P	A	A	P	P	P	P	A	A	A	P	P	P	P	P	A	A	A	A	A
Jeanifer Fernandes	0	13	0	P	P	P	A	P	A	P	A	A	A	A	P	P	A	A	P	A	A	A	A	A
Lily O'Susta	1	11	0	P	P	P	A	P	P	A	A	A	A	A	P	P	P	P	P	UL	A	A	A	A
Ganraj Sappu	0	13	0	P	P	A	A	P	P	A	A	A	P	P	P	P	P	P	Productive Time : 10:12	A	A	A	A	A
Anju Bathija	2	10	0	EL	P	A	A	P	P	P	WO	A	A	A	A	A	A	A	P	WO	A	A	A	A
Sapriya Kavya	1	11	0	A	A	P	A	P	P	P	P	A	A	A	P	A	P	A	P	UL	A	A	A	A
Dimple Vira	0	13	0	A	P	A	A	P	P	P	P	A	A	A	P	P	P	P	P	A	A	A	A	A
Feroz Khan	1	16	1	P	P	WO	WO	P	P	P	P	A	WO	A	P	A	P	P	A	WO	A	A	A	A

# Kornea Mobile App

Kornea comes with its own native app for ease of viewing productivity reports, on the go.



# The NXT.NOW™ Advantage

Tangible, quantifiable advantages that can be seen and monitored resulting in improved productivity, higher system, and compliance adherence.

## Business Impact

Tangible, quantifiable advantages that can be seen and monitored resulting in improved productivity, higher system and compliance adherence.

UPTO

**20%**

Improvement  
in Login Hours

UPTO

**5%**

Improvement in  
Schedule Adherence

UPTO

**22%**

Productivity  
Uplift

Automated  
System Audit

Enhanced  
Compliance Check

Are you also looking for a truly digital way to optimize your man-power utilization or up your data security?

We would love to present to you Kornea in action. Write to us for a product demo at [korneaAI@techmahindra.com](mailto:korneaAI@techmahindra.com)





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[www.techmahindra.com](https://www.techmahindra.com)

[top.marketing@techmahindra.com](mailto:top.marketing@techmahindra.com)

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