

|Team Vertex



Connecting **Sri Lankans**
with the government

LET'S EXPLORE →



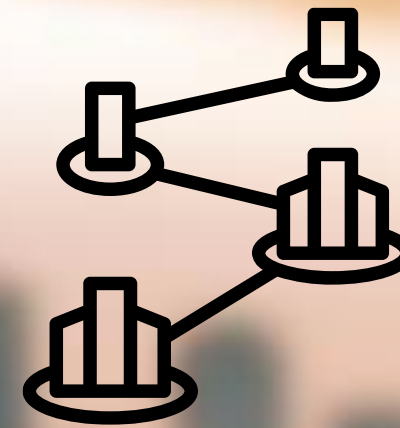
Government Services

As a Sri Lankan, you already know the biggest issues,
the inefficiencies and the practical complexities.

Modularity



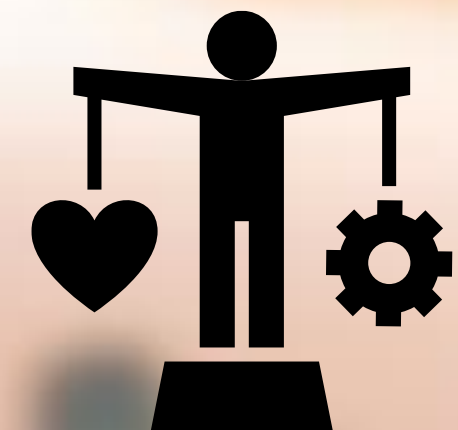
Expandability



Priority to Essentials



Balancing Features and Cost

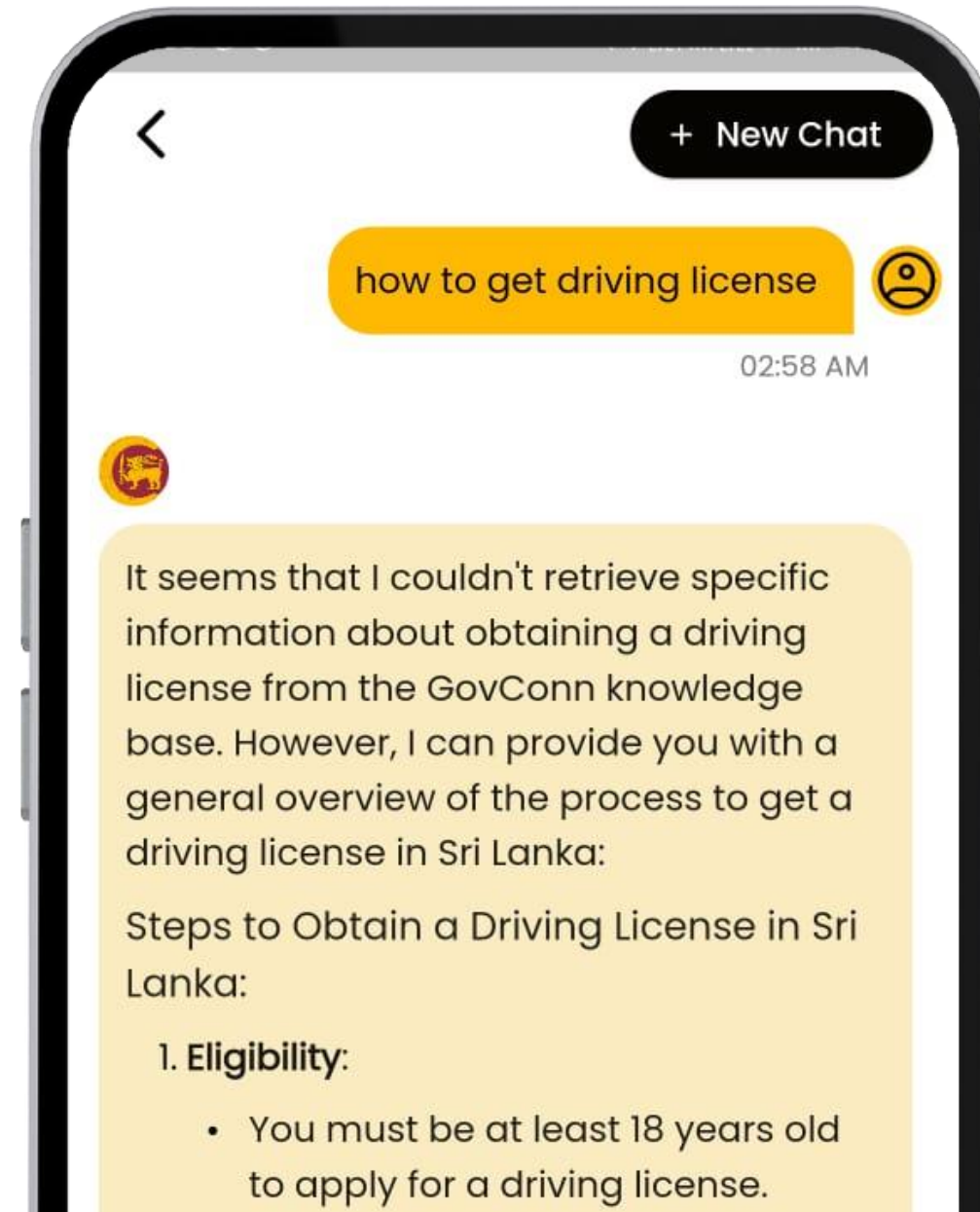


Our Solution

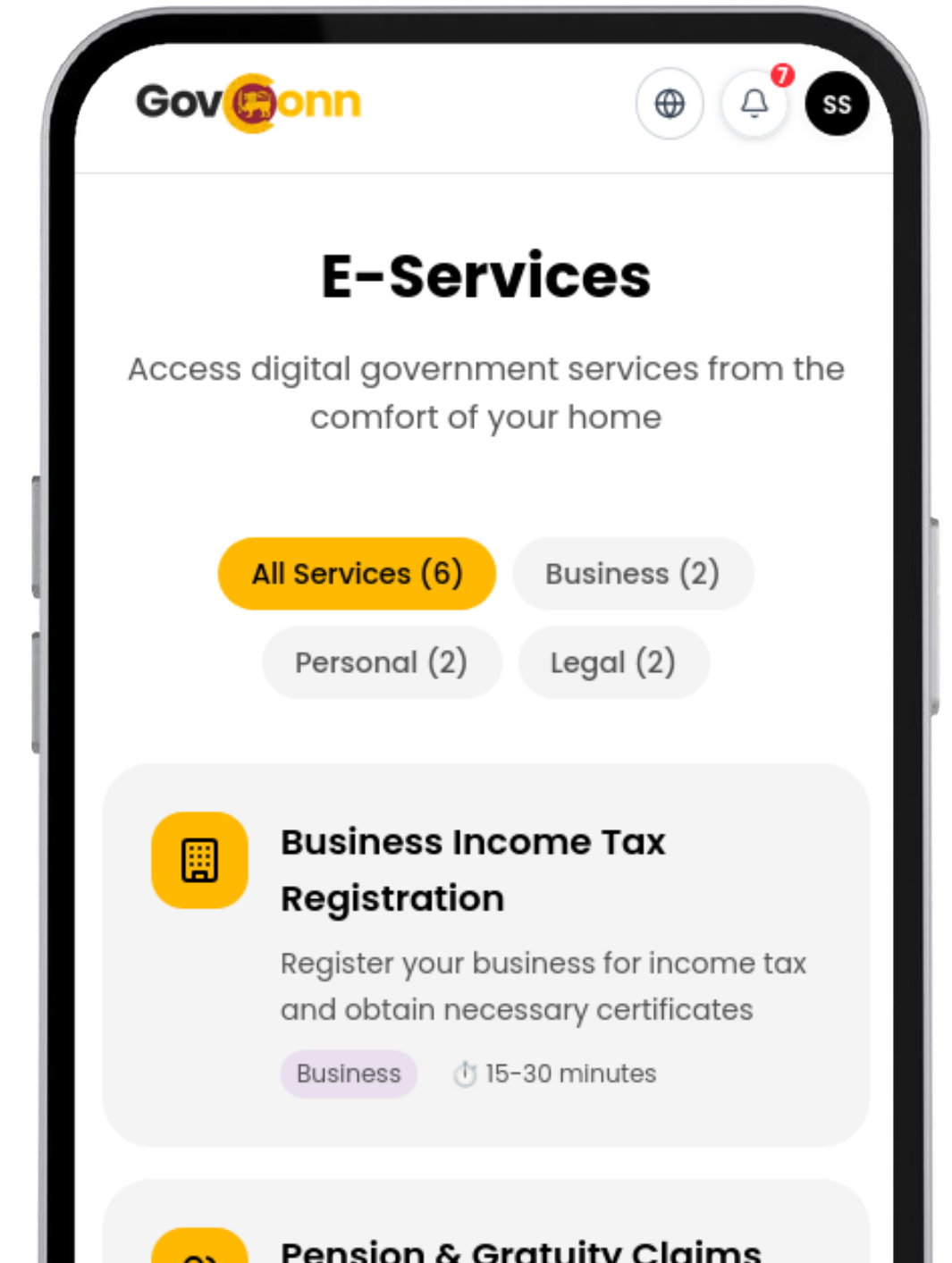
Appointment System



AI Assistant



E-Service Workflow



Appointment System

GovConn

7

SS

Civil Services Appointment

Please complete all sections to proceed with your appointment booking

Select Office

Select Service

Instructions

Documents

5

Date & Time

1

Select Office Location

Assistant Government Office

2

Select Your Service

Marriage Registration

GovConn

English

Shelton Suprenant

35

Appointments

Select a service category to book your government service appointment

Education

This category covers schools, universities, and other educational services.

Health Care

This category includes hospitals, clinics, and other health-related services.

Transportation

This category includes public transport, roadways, and related services.

Civil Services

This category includes government administration and public services.

Security

This category covers police, military, and other security services.

Agriculture

This category includes farming, livestock, and agricultural services.

Help Me Find the Right Office

Available Time Slots for 9/10/2025

1 left

10:00 AM - 11:00 AM

1 of 3

Filling Fast

4

Required Documents

Please upload the following required documents: You can use previously uploaded documents or upload new ones.

Birth Certificate

This is a birth certificate document.

Using existing document

Birth Certificate

Marriage Certificate

This is a marriage certificate document.

Previously Uploaded Document

Marriage Certificate

Uploaded: 9/3/2025

Use This Document

Preview

Upload New Document

Select new file

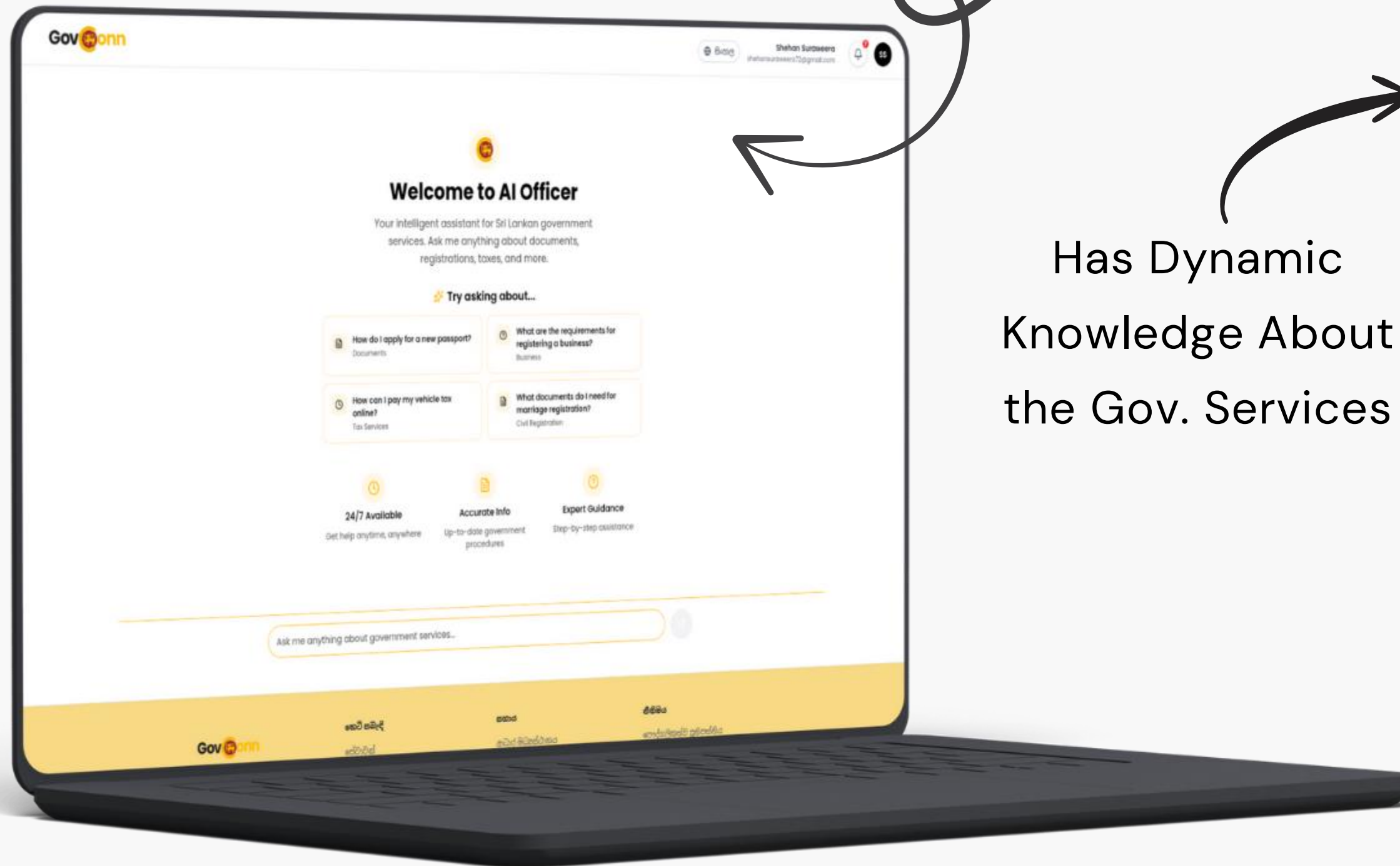
File size should be less than 10MB

Supported formats: PDF, JPG, PNG

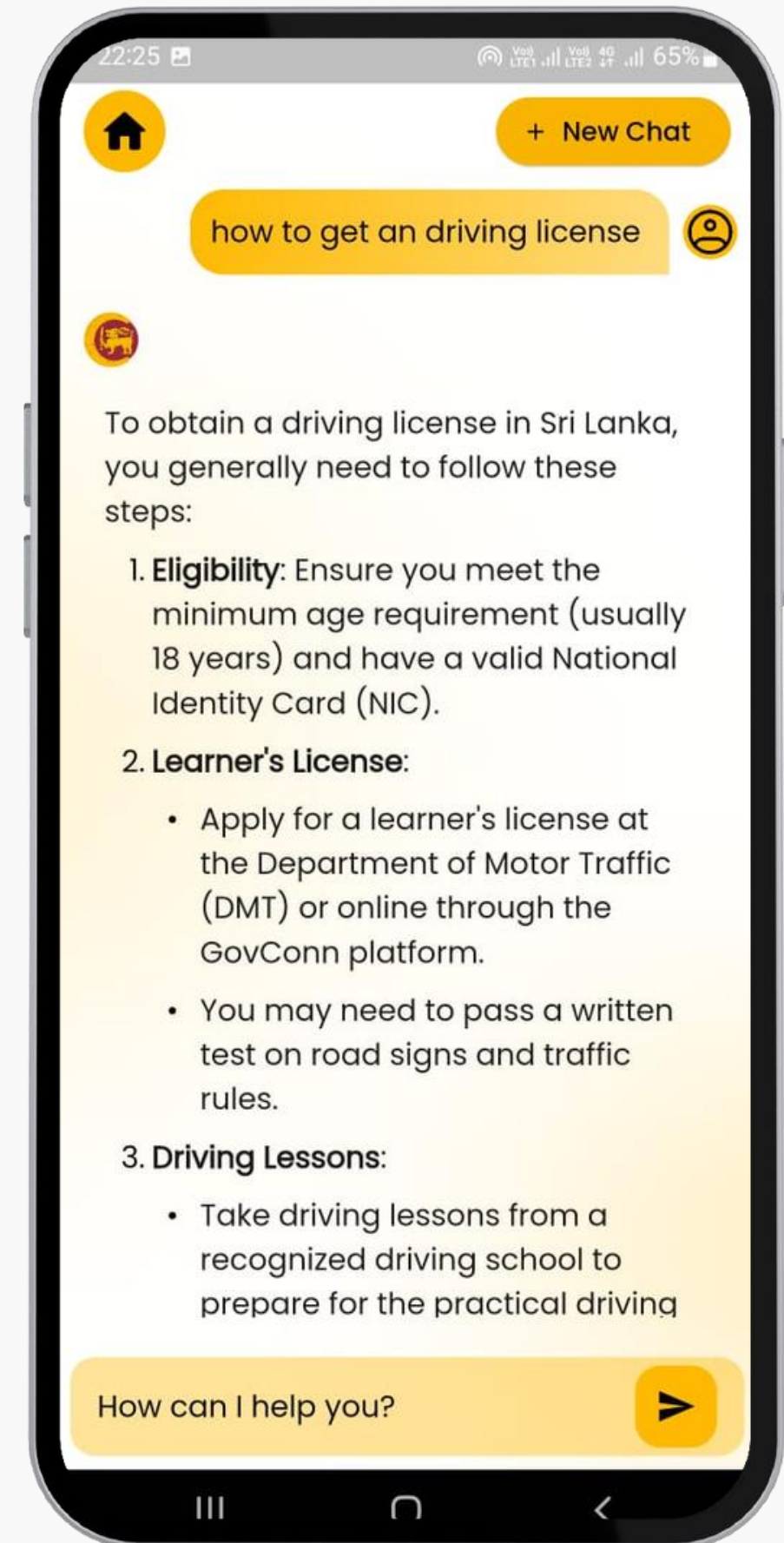
You can reuse documents from your profile or upload new ones for this appointment.

AI Assistant

Simple, familiar
interface to chat.



Has Dynamic
Knowledge About
the Gov. Services

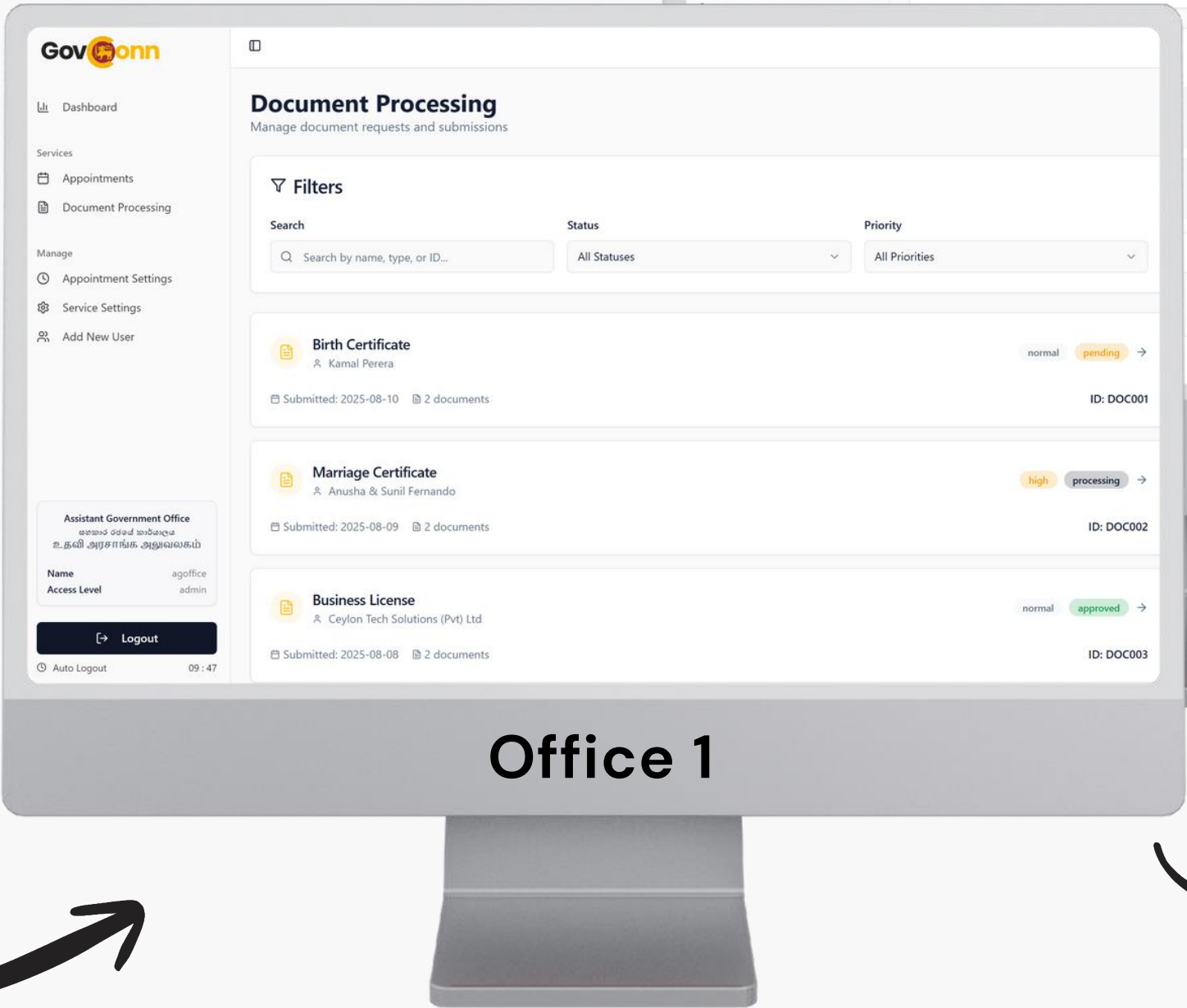
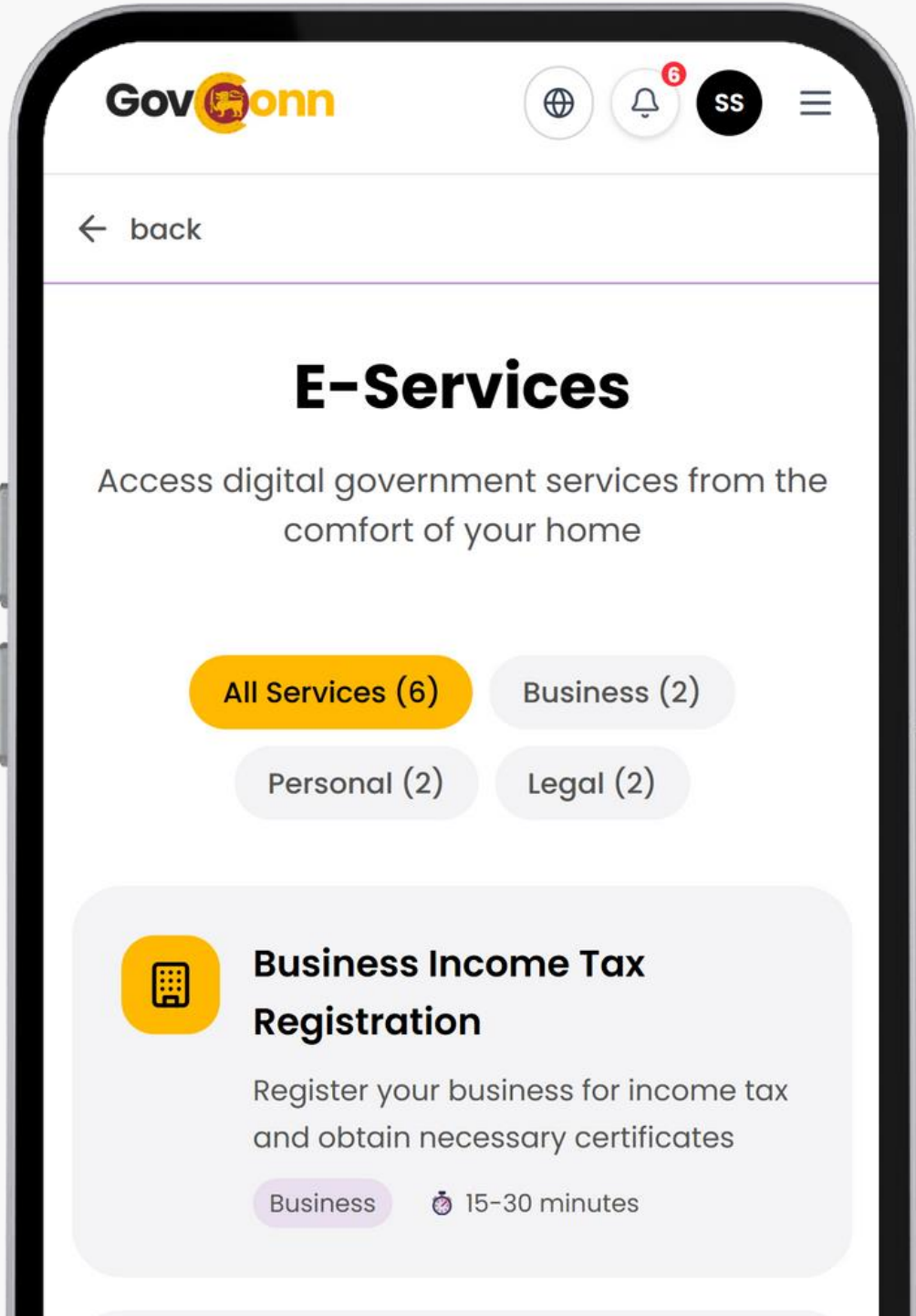


E-Service Workflow

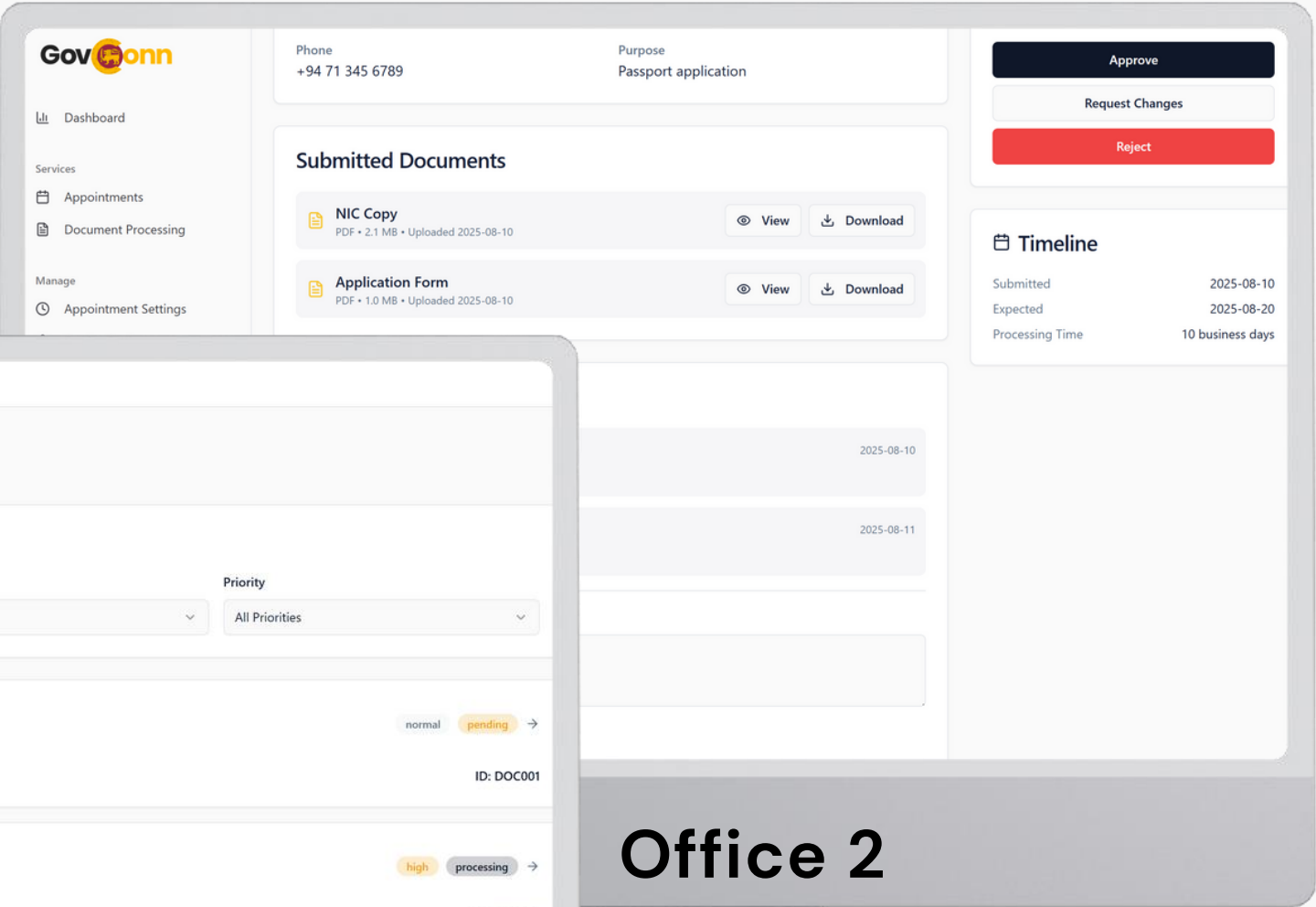
Reach Citizen
When needed



Citizen



Office 1



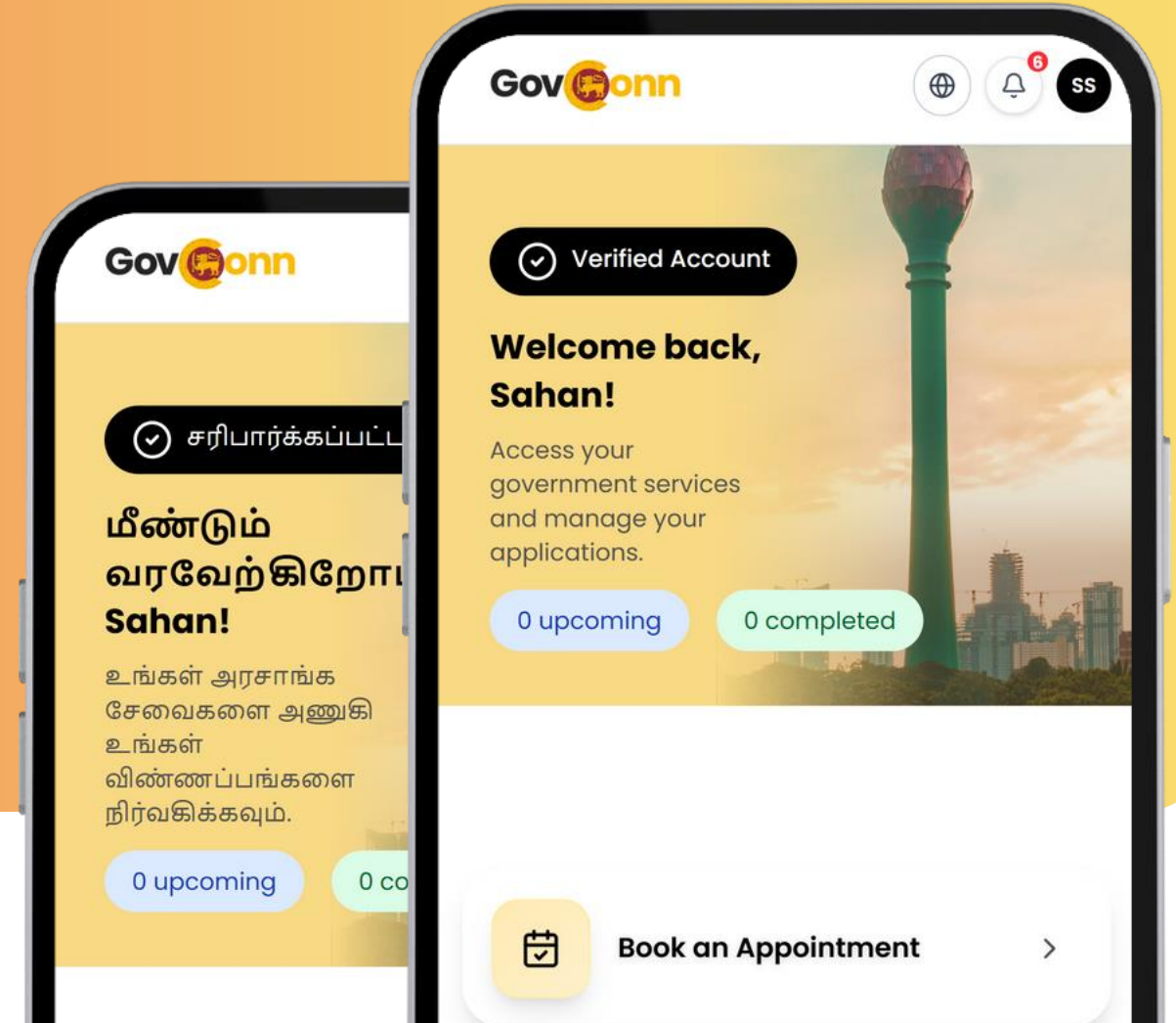
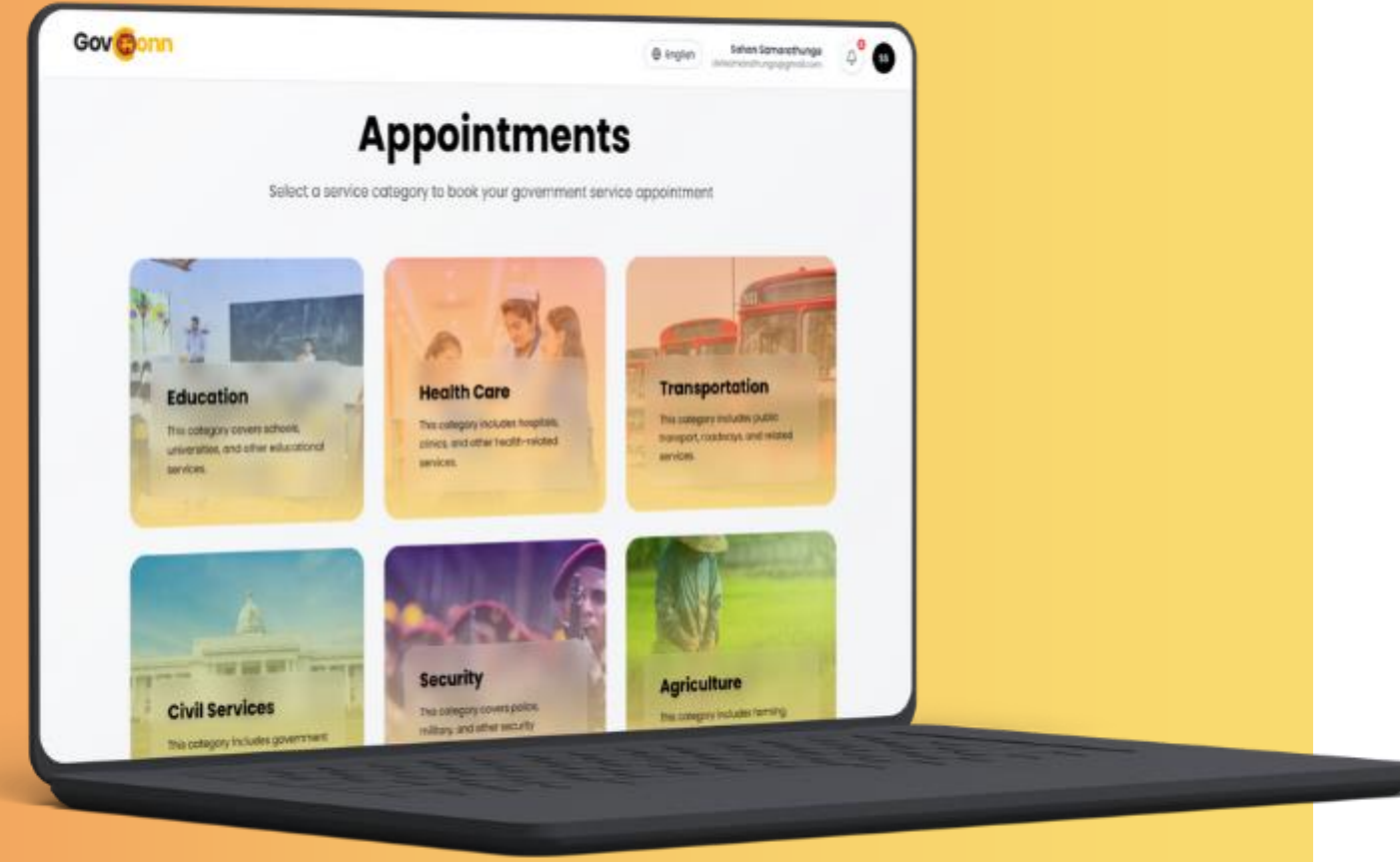
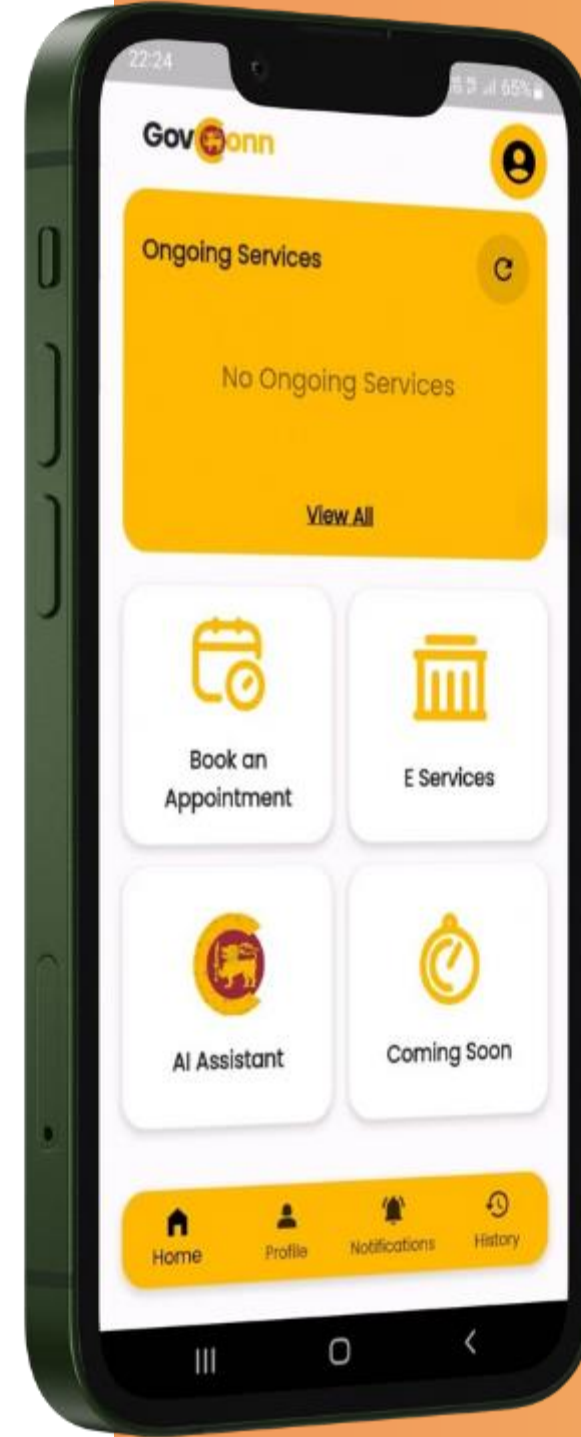
Office 2

Pass to
Next Office



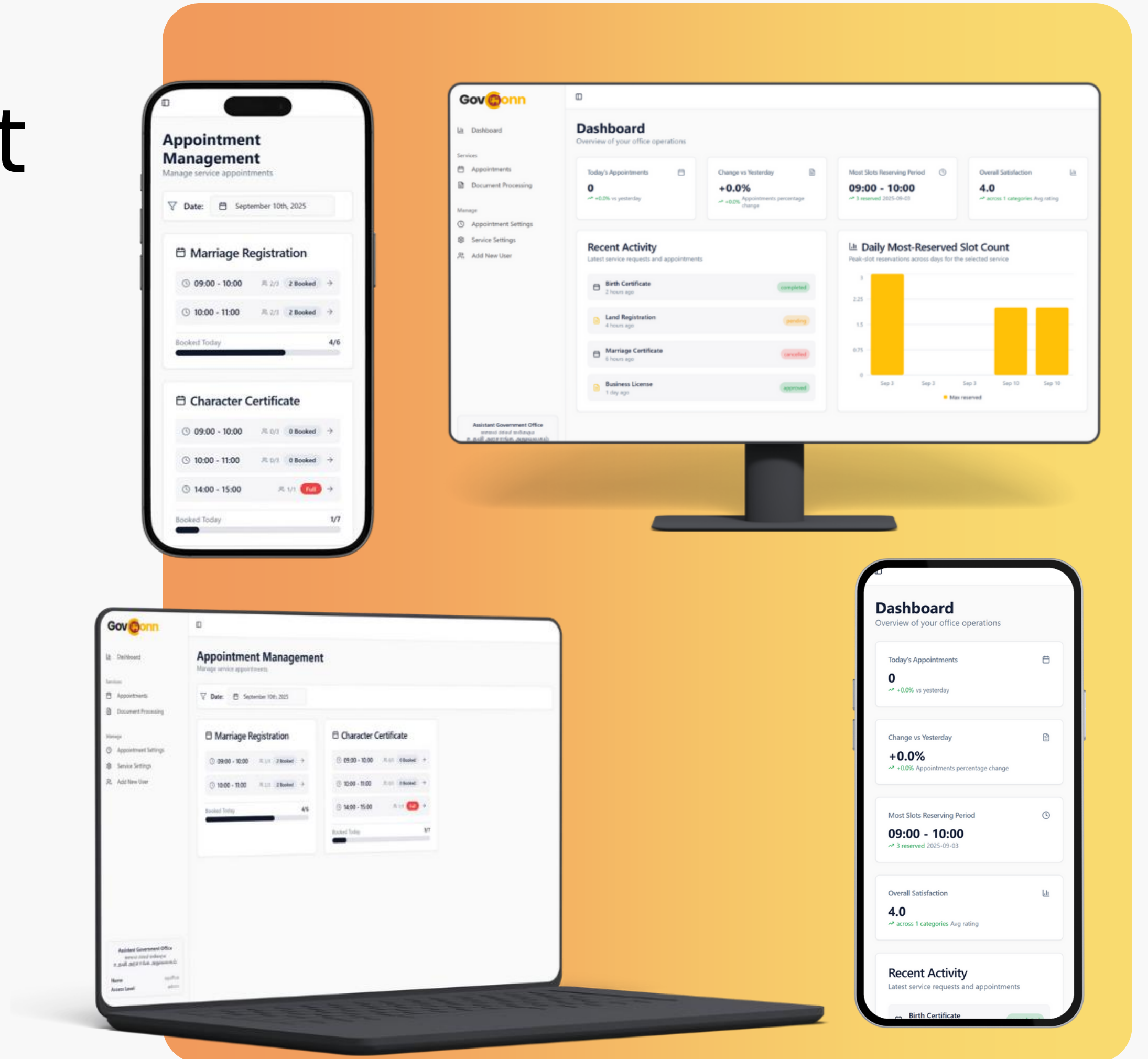
For Citizens

- **Installable Mobile App**
(Both Android & IOS)
- **Web-based Portal**
(Full Responsive)
- **All Systems Support**
(English, Sinhala, Tamil)
- **Easy account Setup**

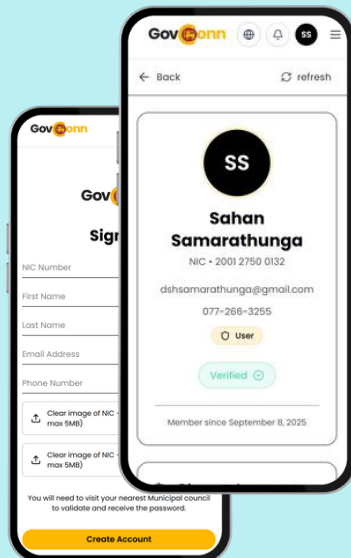
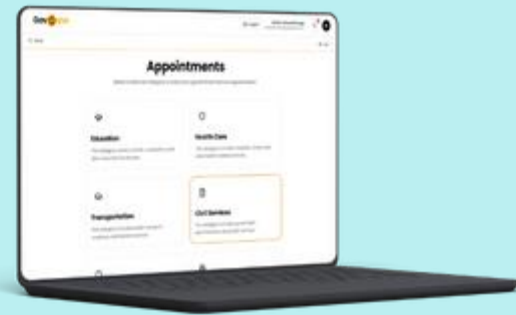


For Government Officers

- Web-based Portal
(Full Responsive)
- Secure Access
- Service Management
- Appointment Manage



Citizens



Micro Services,
Data Bases



Central System

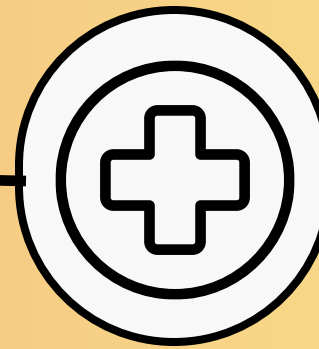
Add/ Remove
Categories,
Offices



Category 1



Category 2



Category x



Office 1

Define Service 1
Define Service x
Define Time Slots



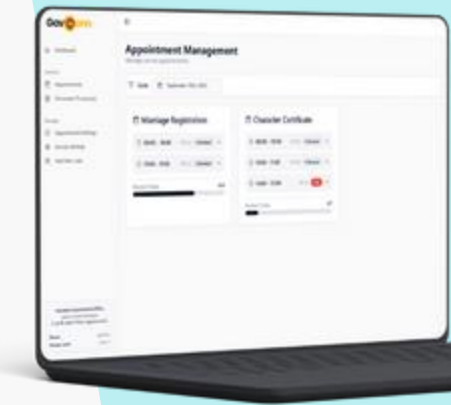
Office x



Office x



Office x



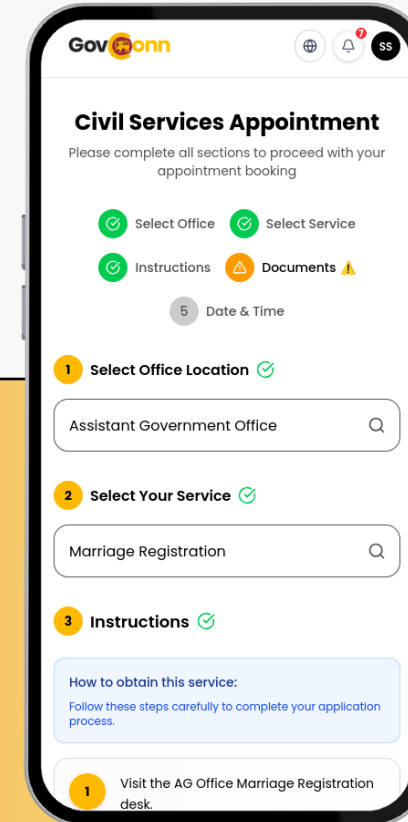
Officers

The End Result



**Conveniently
Access**

Gov. Services,
Service Info,
Coordination,
Easy Setup



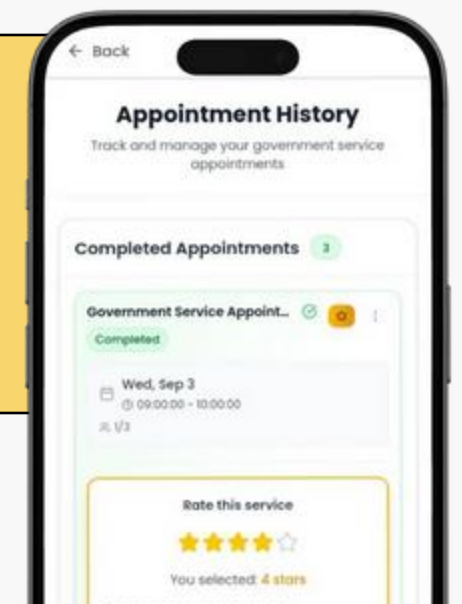
**Shorter
Queues**

**Audit
Gov. Services**

Review Service



**Increase Citizen
Satisfaction**



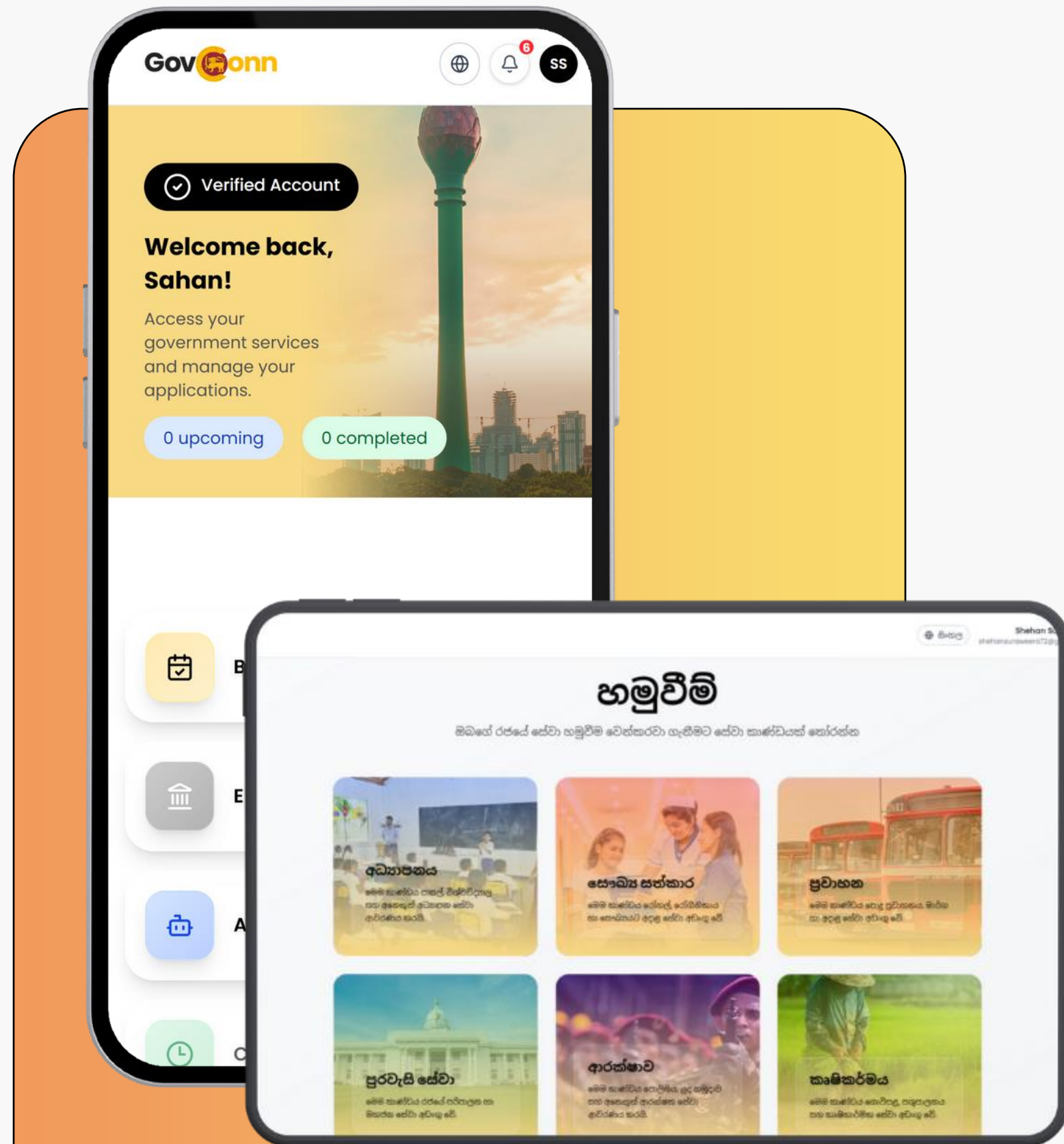
Designathon



Looks Good **on any Device**

Multi Language Support

Inspired by the **National Flag**



Memorable
Brand
and **Logo**



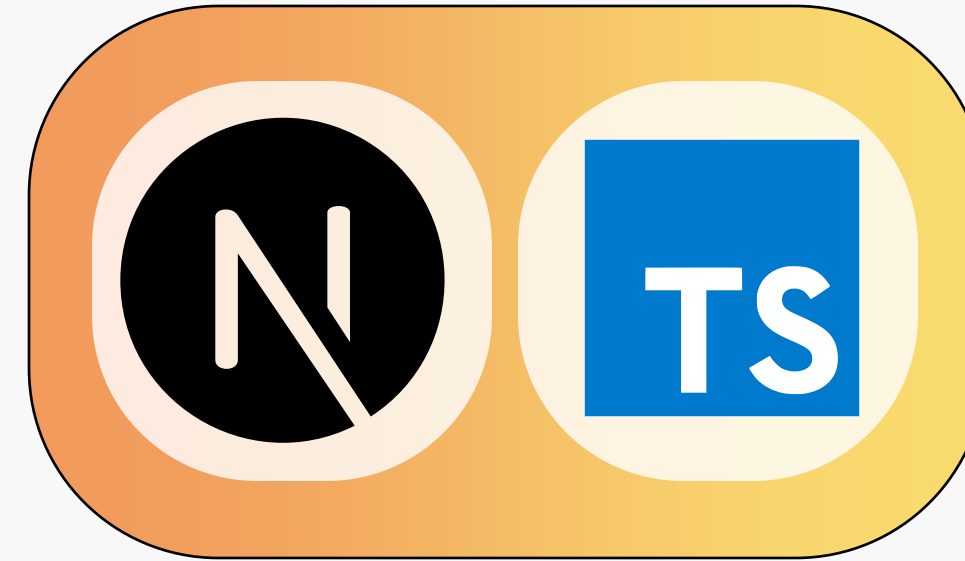
Hackathon



Developed
in 5 Days

Architecture
**Micro-
services**

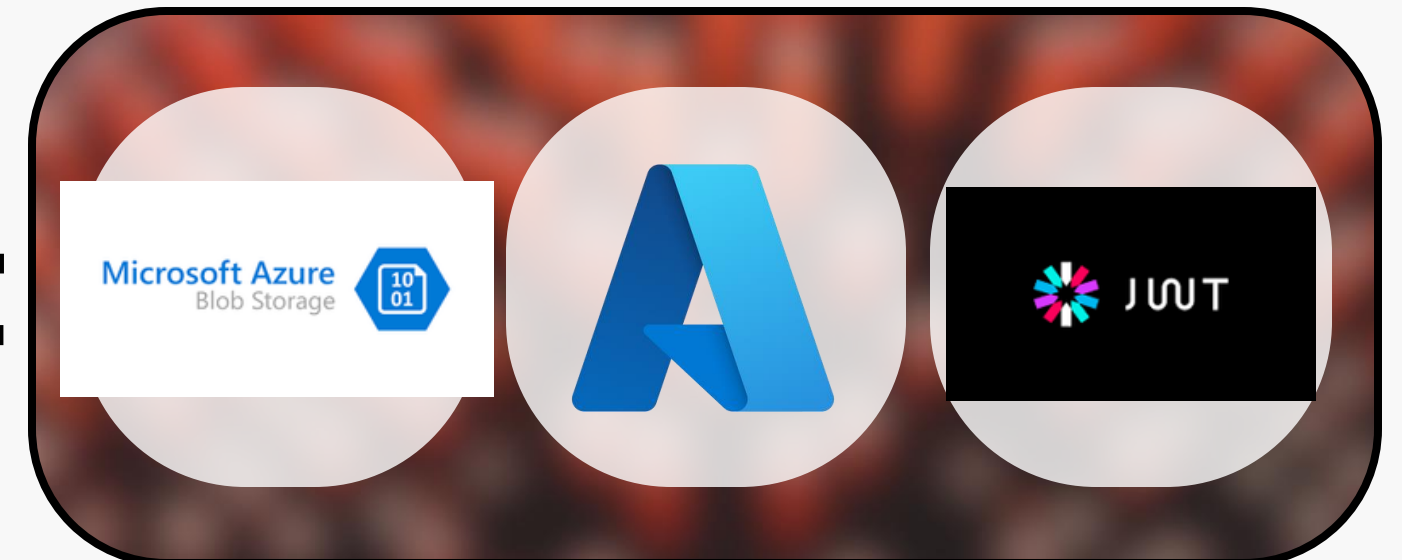
FrontEnd



Back-End



Deployment



Datathon Task 1



Solution approach

**Predict time slots
(on date, time,
section)**

Insight

**Task & section
strongly affect
duration**

Evaluation

**$R^2 = 0.66,$
 $MAE = 8.3 \text{ min}$**

Methodologies

**ML – CatBoost
Regressor +
Time Series prediction**

Datathon Task 2



Solution approach

Find optimal employees (workload as key metric)

Insight

The workforce demand shows cyclical trends

Evaluation

**$R^2 = 0.97$,
MAPE = 9.6%**

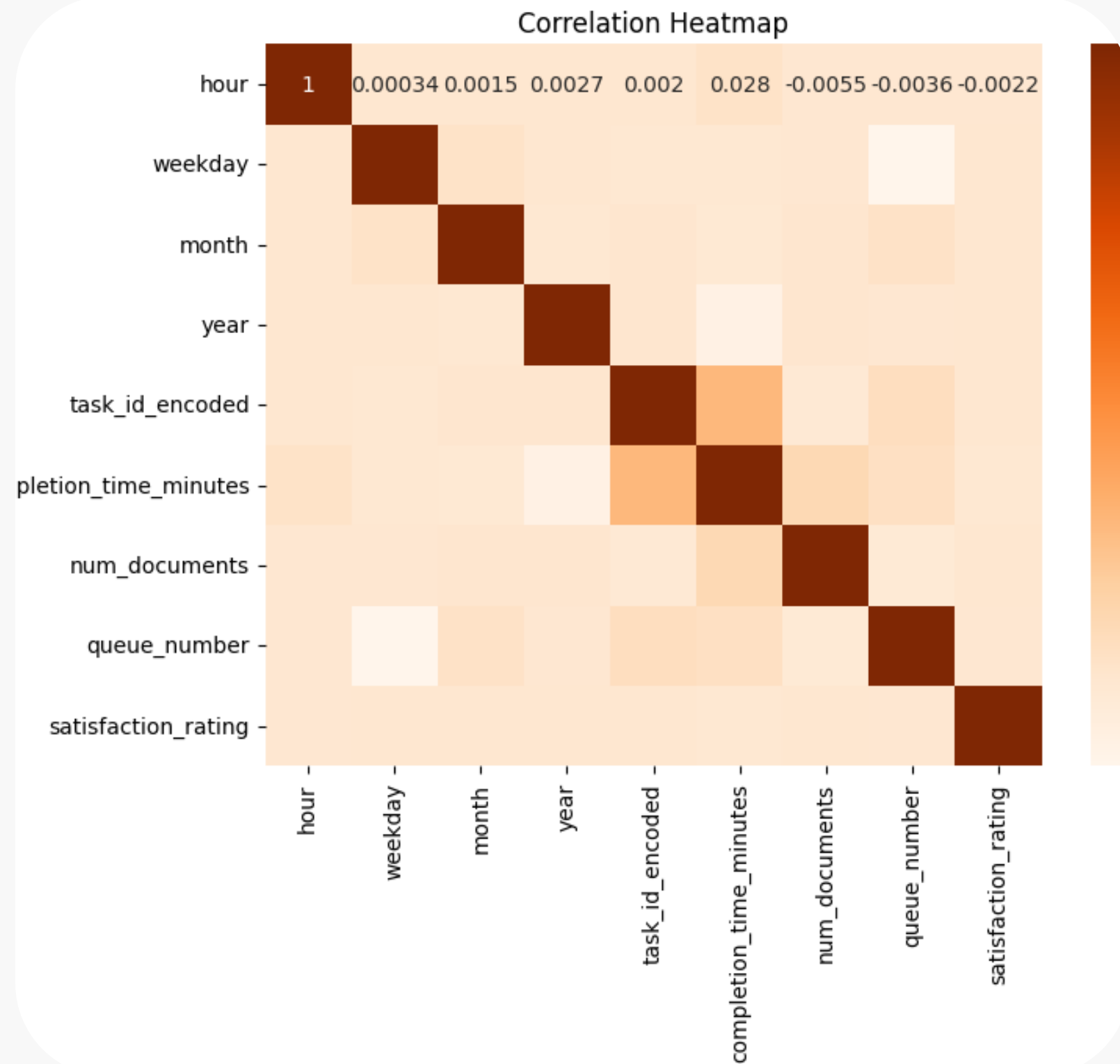
Methodologies

Ensemble ML model

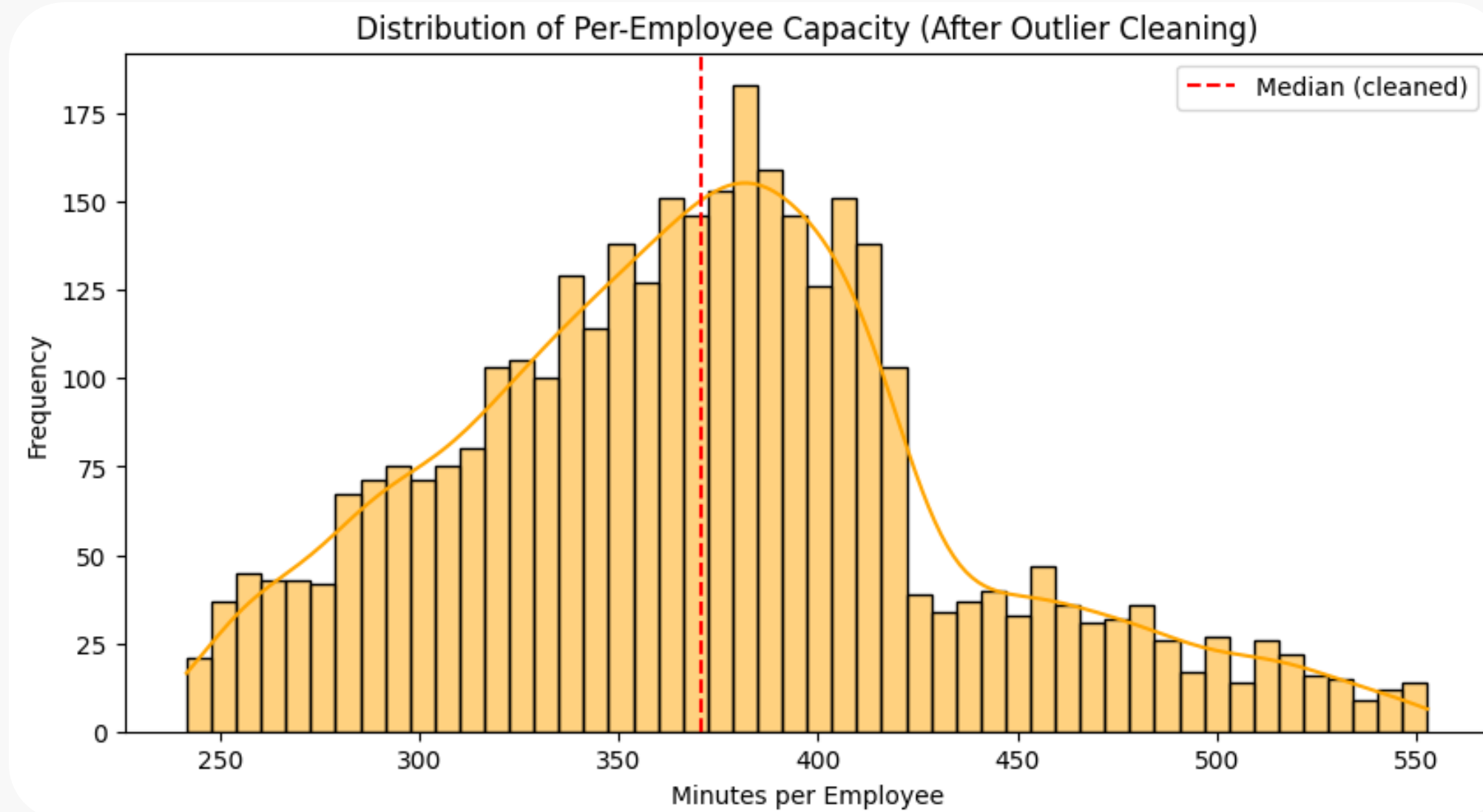
Datathon



Task 1

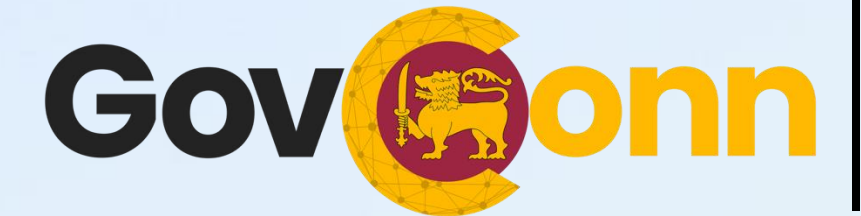


Task 2



Thank You

By Team Vertex



Ready for Q&A..