

Actors DIAGRAM:

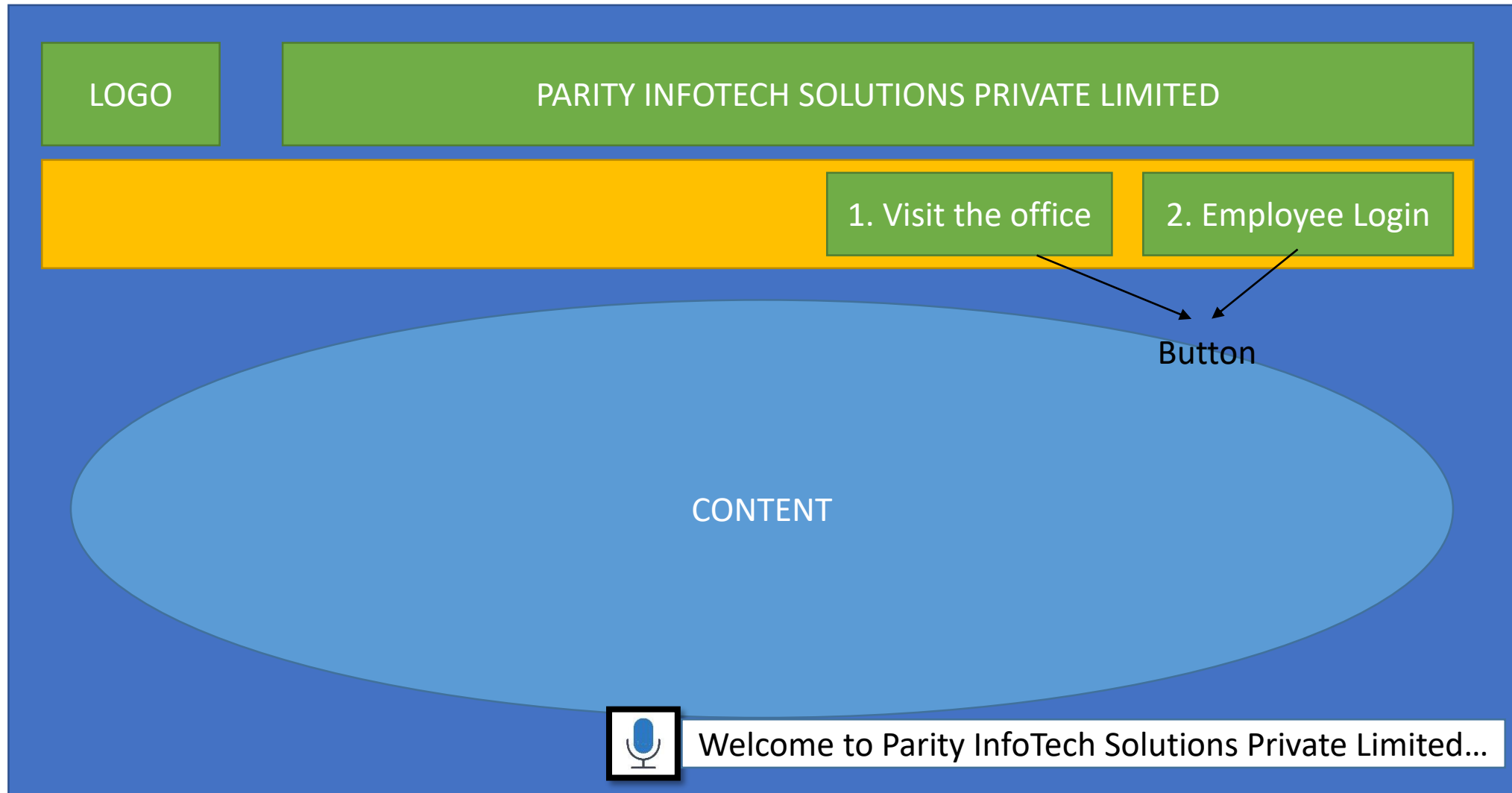
1. Person who wants to visit an employee in these offices. (VISITOR-a head count who wants to visit the office. Can be anyone who is a non-employee of that office.)
2. Person whom the visitor wants to meet. (EMPLOYEE)
3. Person who approves the confirmation of meeting request. (HIGHER-OFFICIAL)
4. Person who does physical checking/ manual checking /frisking of the visitor on premises. (SECURITY GUARD)
5. Person at Reception desk. (RECEPTIONIST)
6. Holograms Security Personnel.

Security Clearance Levels:

1. LEVEL-01: When the request for a meeting is made, an authenticated person can only make the request.
2. LEVEL-02: MANUAL FRISKING by the security guard and ID cards and SMS shown to him.
3. LEVEL-03: RECEPTION DESK: FRS and BIOMETRICS of the visitor for the m-pass generation.
4. LEVEL-04: HOLOGRAMS guide the visitor to the employee's room. HOLOGRAMS are under direct control of security personnel.
5. LEVEL-05: QR code scanner : you have met the right person.
6. LEVEL-06: EXIT: path you are under surveillance through holograms and cameras.
7. LEVEL-07: Voice trigger exit at reception.

Parity website hosted on a global server

VISITOR



Person clicks on the button 1: Visit the Office

VISITOR

The image shows a web interface with a blue background. At the top, there is a green header bar containing a 'LOGO' placeholder and the text 'PARITY INFOTECH SOLUTIONS PRIVATE LIMITED'. Below this is a yellow banner with the title 'VISITOR'S MEETING REGISTRATION FORM'. On the right side of the banner is a blue button labeled '1.a LANGUAGE'. An arrow points from this button to the word 'Button' below it. At the bottom of the page, there is a white bar containing a microphone icon and the text 'Kindly choose your language.....'.

LOGO

PARITY INFOTECH SOLUTIONS PRIVATE LIMITED

VISITOR'S MEETING REGISTRATION FORM

1.a LANGUAGE

Button

Kindly choose your language.....

Person clicks on the button 1.a: Language . Dropdown opens up with a list of languages including vernacular

VISITOR

The image shows a web interface for a 'VISITOR'S MEETING REGISTRATION FORM'. At the top, there is a green header bar containing a 'LOGO' placeholder and the text 'PARITY INFOTECH SOLUTIONS PRIVATE LIMITED'. Below this is a yellow bar with the form title 'VISITOR'S MEETING REGISTRATION FORM'. To the right of the title is a blue button labeled '1.a LANGUAGE' with a downward arrow. The dropdown menu is open, showing a list of languages: English, Hindi, Punjabi, Gujarati, Malayalam, and Kannada, followed by two lines of dots indicating more options. The entire form is set against a blue background.

The person clicks on his required language option. The form options will appear in that language choice.

EXAMPLE: Person clicks on the English option

VISITOR

LOGO

PARITY INFOTECH SOLUTIONS PRIVATE LIMITED

VISITOR'S MEETING REGISTRATION FORM


ENGLISH

Name:

TEXT INPUT


Date of Birth:

TEXT INPUT



Take Snapshot:

PHOTO PREVIEW




AADHAR Number:

TEXT INPUT

1.b AUTHENTICATE

RESULT




 Announces....

YES

The person is authentic.

CLICK NEXT.....



 1.c NEXT

NO

The credentials do not match.

When the person clicks on the AUTHENTICATE button, it connects to the UIDAI database and identifies the person as authentic or not.....

When the RESULT passes, the authenticated person clicks on 1.c NEXT for further details on booking a meeting. If the RESULT is not matched, the person is returned back to the original form.

VISITOR

LOGO

PARITY INFOTECH SOLUTIONS PRIVATE LIMITED

VISITOR'S MEETING REGISTRATION FORM

ENGLISH

RESULT

YES

NO

The person is authentic.

CLICK NEXT.....

The credentials do not match.

Organization: TEXT INPUT

Designation: TEXT INPUT

To Meet: TEXT Purpose: TEXT

DATE SLOTS: Time Slot:

PHONE NUMBER: Voice Input

1.d Send OTP

1.c NEXT


Fields in Black are text input. Field in Red is VOICE INPUT and OTP VERIFICATION.

Insert the text field inputs. Insert the voice input... keep a button to trigger it. And save it.
Show it in the input box and then if accurate record it. If not recorded correctly, simply re-record it.

VISITOR

LOGO

PARITY INFOTECH SOLUTIONS PRIVATE LIMITED



VISITOR'S MEETING REGISTRATION FORM


ENGLISH

Organization:

Designation:


To Meet: Purpose:

DATE SLOTS: TIME SLOTS:

PHONE NUMBER: 
Say the digits individually


1.D Send OTP


An OTP is sent to the given mobile number.

OTP:  ENTER OTP

OTP matches

OTP not matches

Phone number verified successfully. Added to the UIDAI db. 

Kindly try again.. Use your AADHAR verified phone number 

After phone number is OTP-verified....

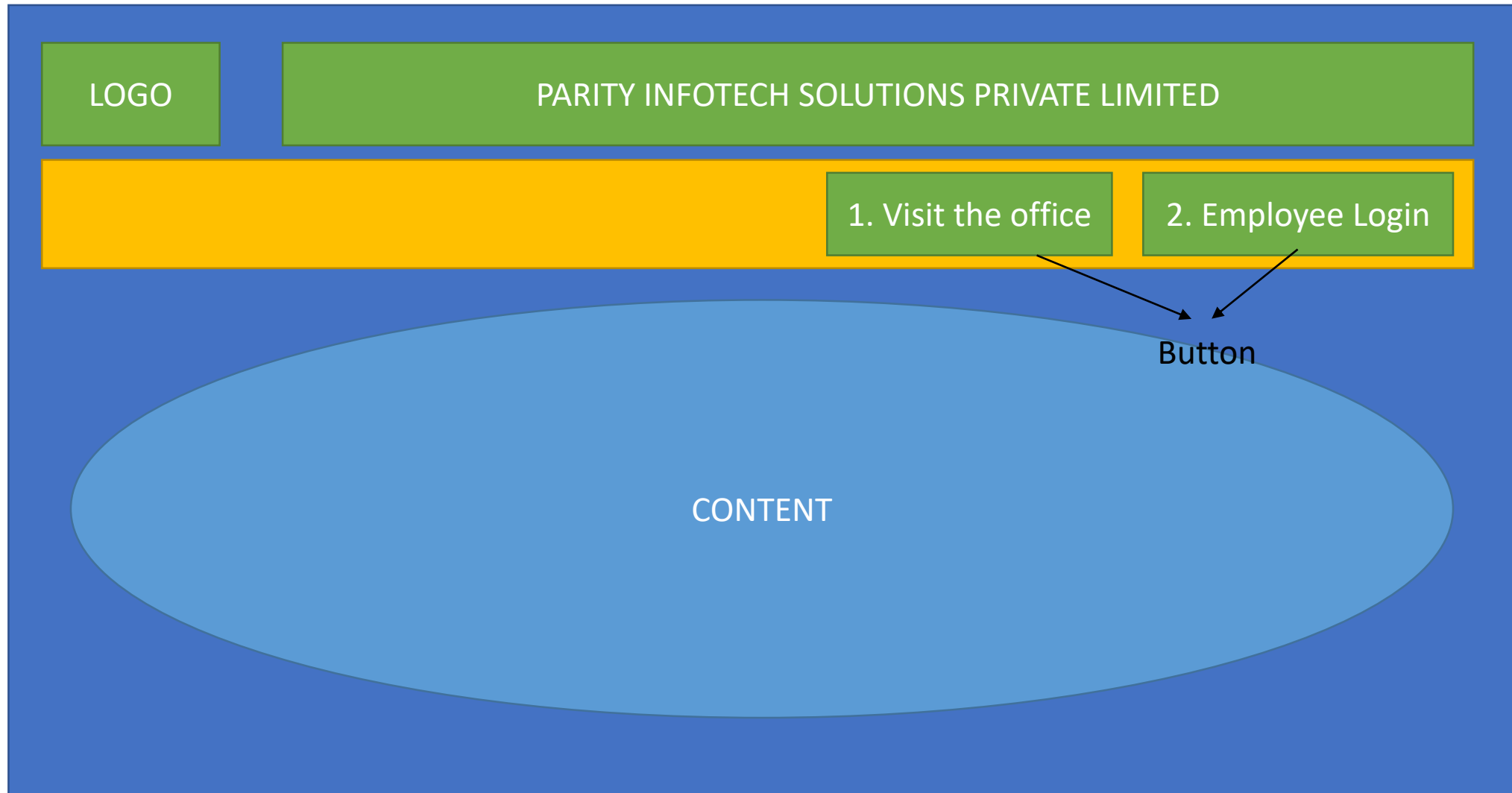
The person clicks on 1.e Register for meeting button to forward the request to the concerned officer.



The request is forwarded and saved to the db along with the UIDAI verification security clearance obtained.....

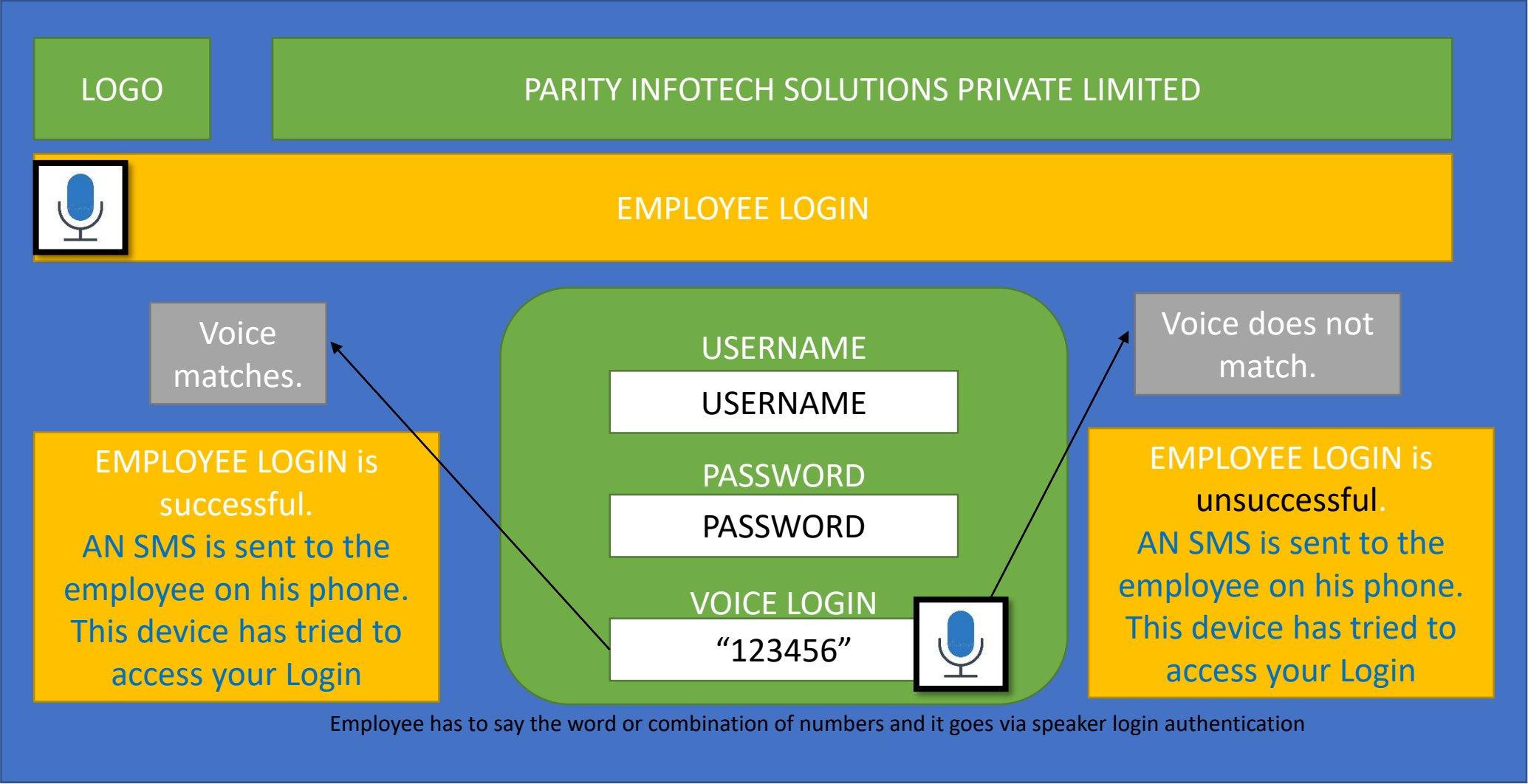
Parity website hosted on a global server

EMPLOYEE



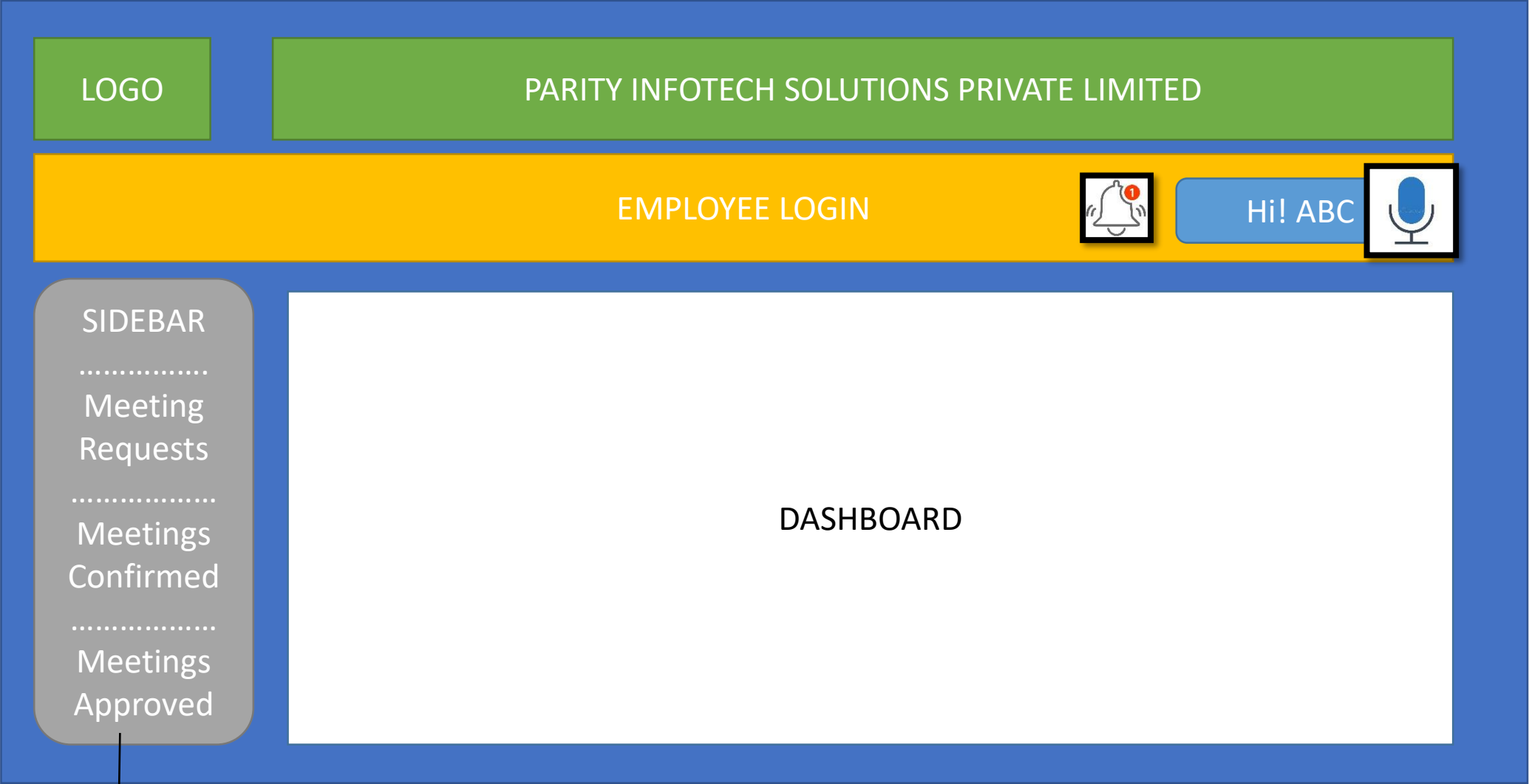
Person clicks on the button 2: Employee Login Portal

EMPLOYEE



If Employee login is successful, he is redirected to the employee specific dashboard

EMPLOYEE



Sidebar Navigation Options

Employee clicks on Meeting Requests tab.


Employee sees the request on his dashboard.

EMPLOYEE


LOGO

PARITY INFOTECH SOLUTIONS PRIVATE LIMITED

EMPLOYEE LOGIN



Hi! ABC



SIDEBAR

.....

Meeting Requests




.....



Meetings Requests Consented

.....

Meetings Approved

Dashboard/Meeting Requests-

Date	Name	Designation	Purpose	Organization	Date/Time	Consent
05-09-2020	Visitor 	Secretary	Official	MHA	07-Sept 4-6 PM	Pending  

If the employee clicks on Red button,  the meeting is cancelled. An SMS is sent to the visitor, that the person is not available at that time. Kindly try another time. If the employee clicks on Green button.  The meeting request is forwarded to the higher official for approval

There happens manual checking/frisking of the visitor by the security guard at the gate. His photo is matched to that uploaded by the visitor in his form for meeting request.


The Security Guard fills his report for security clearance of the visitor.

SECURITY GUARD


LOGO

PARITY INFOTECH SOLUTIONS PRIVATE LIMITED

SECURITY OFFICER at BUILDING-GATE



Hi! SEC



Today's VISITORS

Meeting Requests


.....

Meetings Requests Consented




.....

Meetings Approved

Today's VISITORS:

Visitor photo	Name	Designation	Organization	Date/Time	SMS	ID card	Security Clearance REPORT
	Visitor	Secretary	MHA	07-Sept 2020 4-6 PM	SHOWN	SHOWN	CLEAR

An SMS is sent to the employee that his visitor has arrived. So, he is ready at his office room.

The receptionist welcomes the visitor. “Hello Sir/Ma’am. How may I help you?”  First you have to undergo a security check by standing in front of the camera.”  Welcome, Mr. Visitor. Kindly give me your thumbprint.  Thankyou, Mr. \$(Visitor’s name) or Ms. \$(Visitor’s name). Your credentials have been matched successfully”

LOGO

PARITY INFOTECH SOLUTIONS PRIVATE LIMITED

RECEPTION DESK



Hi! REC



Today’s VISITORS



Meeting Requests

.....

Meetings Requests Consented

.....






Meetings Approved

Today’s VISITORS:								
Visitor photo	Name	Designation	Org	Date/Time	Security Clearance At GATE	AADHAR Card Submit	FRS 	M-pass/hard copy printed
	Visitor 	Secretary	MHA	07-Sept 2020 4-6 PM	Clear	Yes	Score Diff: _____ _____ _____	Generated-Use Biometric 

RECEPTIONIST

We need an FRS that tells you
how the face is different from
the earlier photo and not
matching up to a perfect 1.0 score.....
Tell me the reason why
it is not 1.0 match....



Visitor photo	Name	Designation	Org	Date/Time	Security Clearance At GATE	AADHAR /ID-Card Submit	FRS Report	Print initialized	M-pass/hard copy printed
	Visitor 	Secretary	MHA	07-Sept 2020 4-6 PM	Clear	Yes	Score Diff: <hr/> >85% <hr/>	 	Generated- Use Biometric 



Weighted averages: Neural Networks

We weigh out the results of different tests:

- 1) FRS match-20%
- 2) Biometrics-30%
- 3) Manual check at Gate-50%

If anywhere it fails, there is a provision to take next action based on the organization.

In the beginning when the system is being trained intelligently,

On Clicking the Red Button  , print of m-pass is not made. Hence, the person is sent back for questioning by the Security Personnel. On clicking the Green Button  , an agreement is reached on computerized and manual security and the person is allowed to receive the m-pass.



Thank you, \$(Mr. Visitor) for your cooperation.

HOLOGRAMS/VIRTUAL REALITY

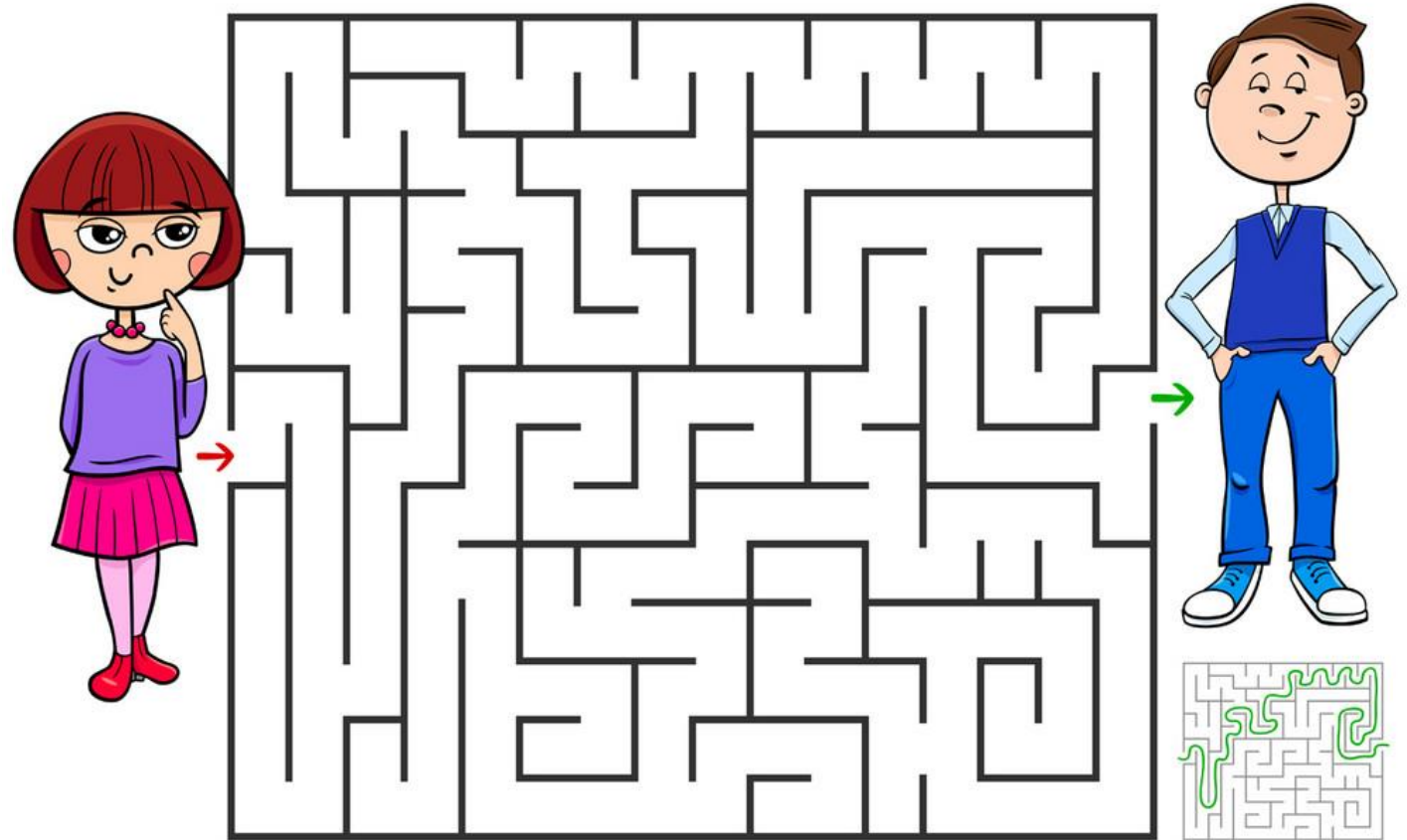
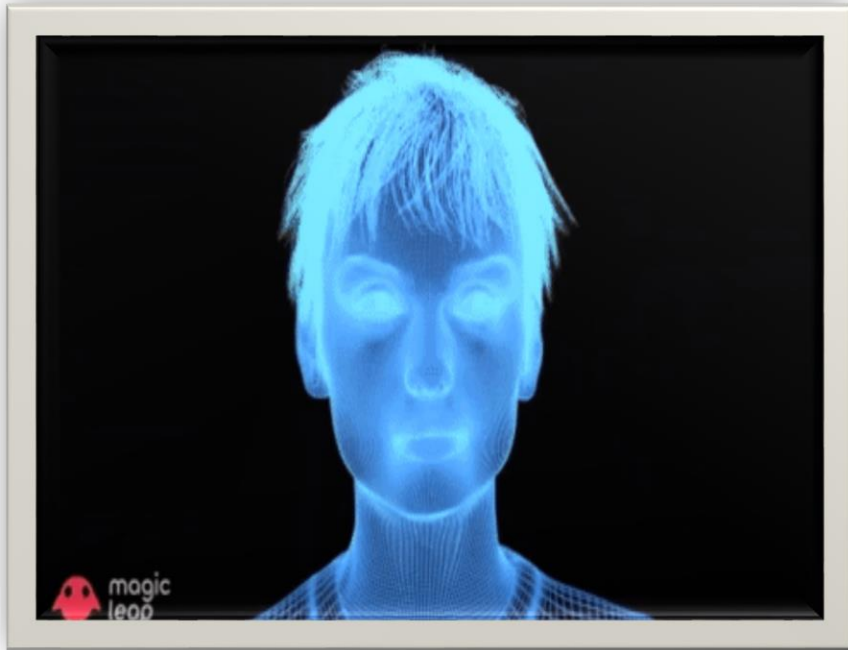


HOLOLENS in Hospitals



VIRTUAL HUMANOID SECURITY ESCORT

It's a security personnel hologram that escorts a visitor to the destination after noting the destination in from m-pass initiated by the receptionist. So, the number of Hologram images can be controlled by the Reception desk.

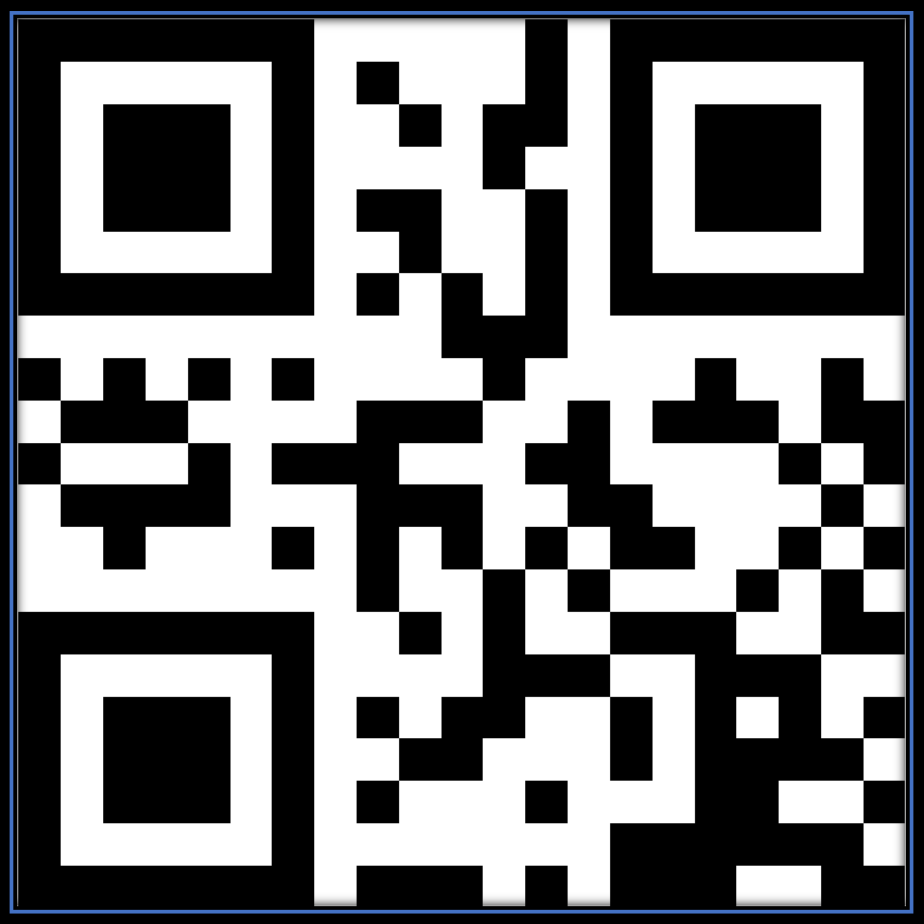


The escort takes the visitor to the destined room after seeing the name on the m-pass. This can be made to read from the computerized input of the destined room or reading it from the paper using OCR tesseract library in python.

The person reaches the destined venue under the guidance of VHSE.

Visitor Lounge/EMPLOYEE TABLE:

QR SCANNER



The QR Scanner reads the QR code given on M-pass of the visitor. Ensures the timing of the TTL (Time to Live) of the QR code scanner is ensured.

QR code confirms that the right person has met the right person.

Welcome Mr. \$(Visitor Name)..... by the machine.



The meeting can begin.....



Meeting Happens

Meeting is near the end time

Meeting
ends on
time

Meeting extends
beyond the stipulated
time

The employee accesses the visitor panel using his ID card's bar-code and logs into the panel where the following dashboard appears





EMPLOYEE


LOGO


PARITY INFOTECH SOLUTIONS PRIVATE LIMITED

VISITOR PANEL

Today's Visitors:

Date/Time	Employee Name	Visitor M-pass	QR code Scanner	EXIT
06-09-2020 4 to 6 pm	ABC	M-01	 Done  accurately	Permit  

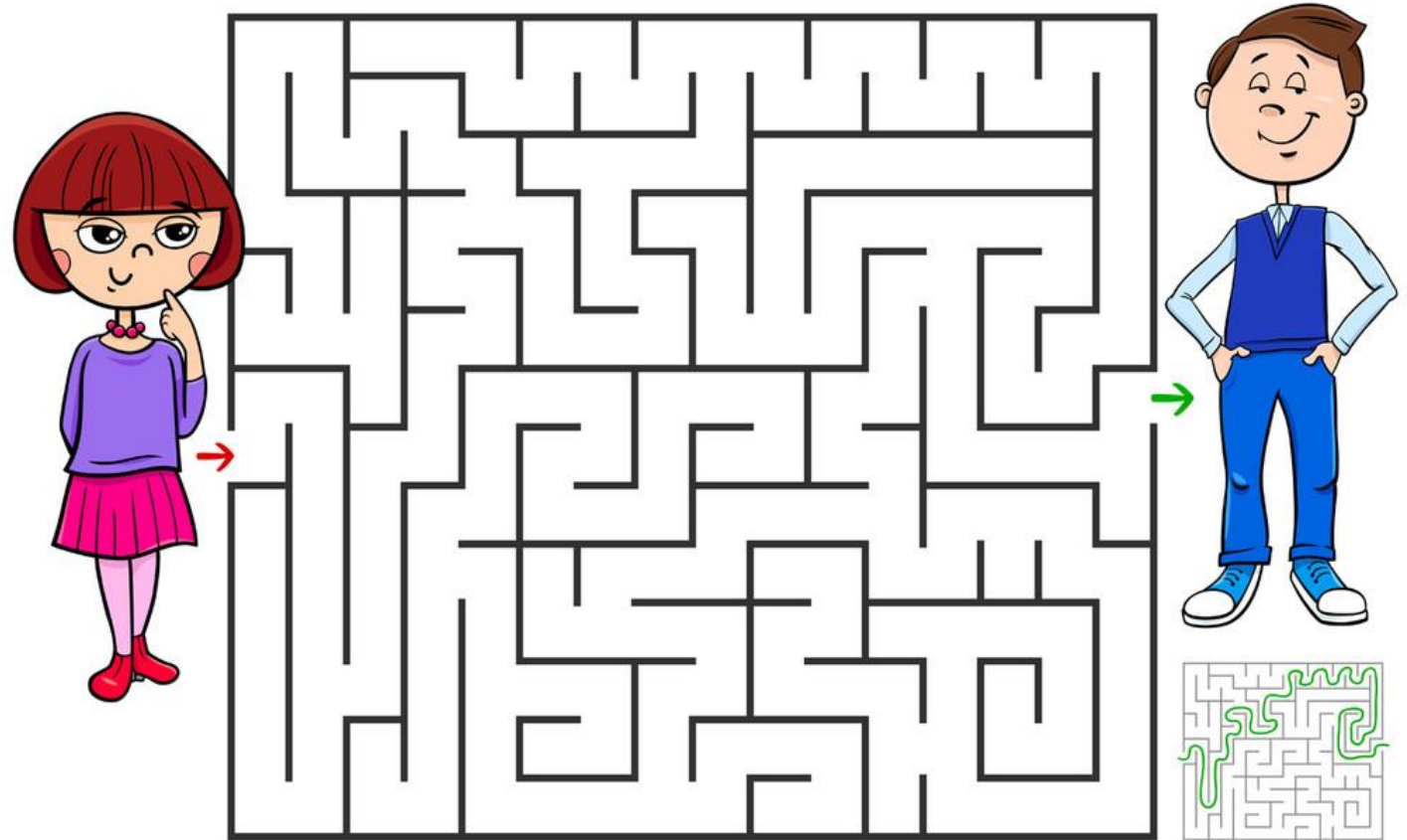
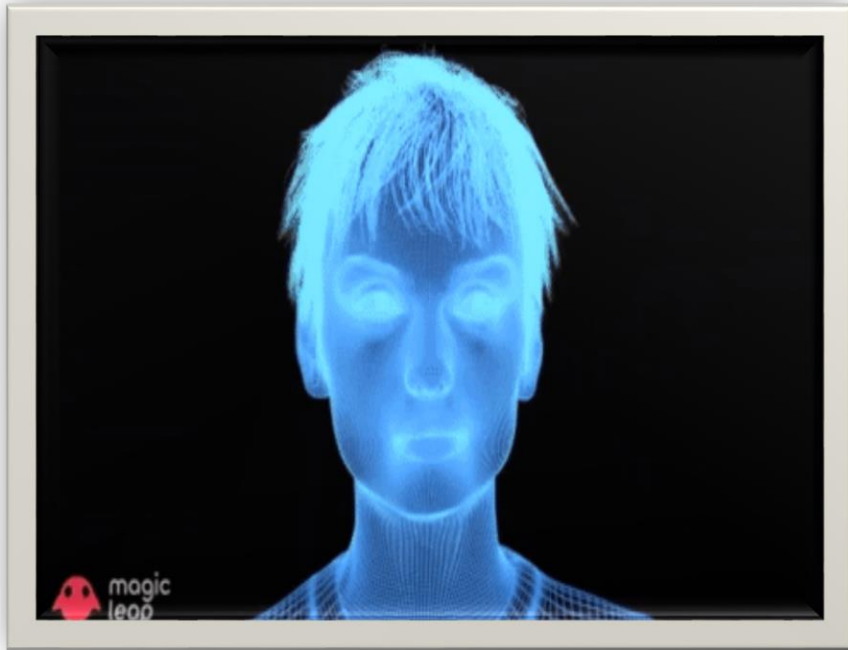
Clicking on Red button, implies that the meeting has been extended. Will not end so soon. 

Clicking on Green button, implies that the meeting has ended. 

So, employee clicks on green button when the meeting ends which signals the virtual escort to come and take the visitor back to reception.

VIRTUAL HUMANOID SECURITY ESCORT

It's a security personnel hologram that escorts a visitor to the destination after noting the destination in from m-pass initiated by the receptionist. So, the number of Hologram images can be controlled by the Reception desk.



The escort takes the visitor to the destined room after seeing the name on the m-pass. This can be made to read from the computerized input of the destined room or reading it from the paper using OCR tesseract library in python.


The person reaches the reception under the guidance of VHSE.

The visitor says 'EXIT' in front of the screen, collects his AADHAR card and his exit is marked. Voice input is being used. The phone number which was recorded as a sample and saved in the database to mark his exit time.


LOGO

PARITY INFOTECH SOLUTIONS PRIVATE LIMITED



RECEPTION DESK



Hi! REC



Today's VISITORS:

Visitor photo	Name	Designation	Org	Date/Time	Security Clearance At GATE	AADHAR Card Submit	FRS	M-pass/hard copy printed	EXIT Time
	Visitor	Secretary	MHA	07-Sept 2020 4-6 PM	Clear	Yes	Score Diff:	Generated	

The VISITOR exits through the main gate

.....

.....

XXXXXX

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