Q: Smart Receptionist Robot?

Soln

Robots Service are playing an increasingly relevant role. in society. A smart Receptionist robot can be regarded both as a Socially interactive robot. working as a receptionist is one possible employement.

Requirement:

Hardware requirment:

① Camera
⑪ Display.
⑭ Aramm
⑰ Speaker.
⑰ Robotic Arams, body.

⑰ Processor, memory
(vii) Hard disk

Software requirment:

① windows server
⑪ ~~Lan~~ Robotic Language.
⑭ programming Logic, Application
⑰ ACL connector for oracle must instal.
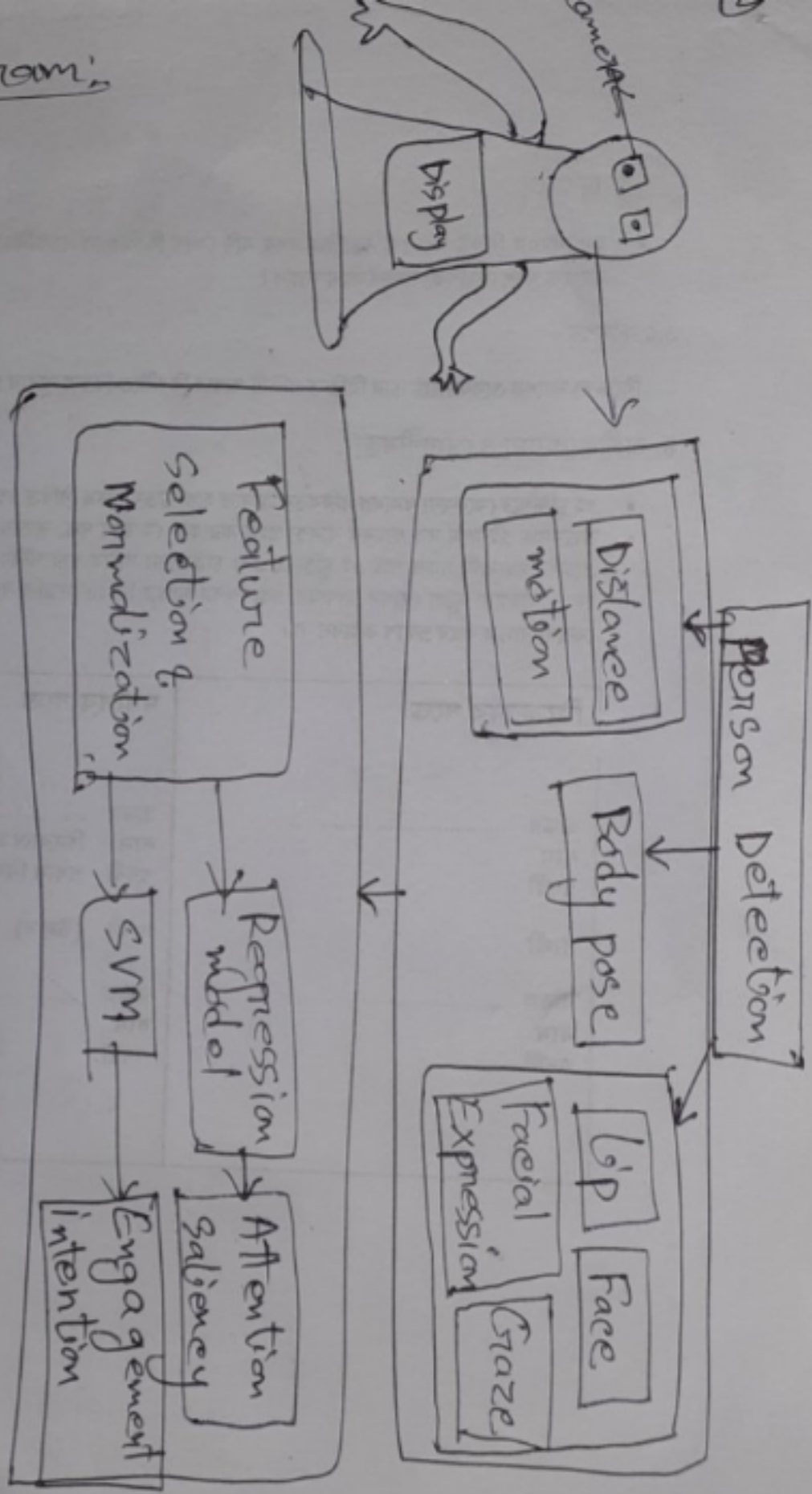
Block Diagram:

Figure : 1

Specification: The smart robot virtual embodiment used to in this work consists of an open source model of the physical In smart receptionist Robot. The choice of a robotic aspect for both the physical and virtual robots can limit the presence of biases in the evaluation due to the receptionist appearance.

Hardware Components: The possibility to use virtual robots for providing assistance to human user hasbeen extensively studied over the years, Historically two main features weres found to play a key note. ~~in their~~.

The Robot interaction (encompassing Speech - and, gesture - based Communicati facial expressions, gaze tacking etc.

The main drawback of this solution is represented by the different Robol Systems,

Software components: The logical components that were assembled and/or developed to Implement the Robotic receptionist system: ~~are~~.

in figure: 1. The control layer consists

of eight main modules, which are used to manage the smart robots direction functionalities. Modules. a   t

(I) Face Tracking.

(II) Gaze

(III) chatbot

(IV) voice recognition

(V) voice synthesis

(VI) Navigation

(VII) Gesture

(VIII) Interaction logic.