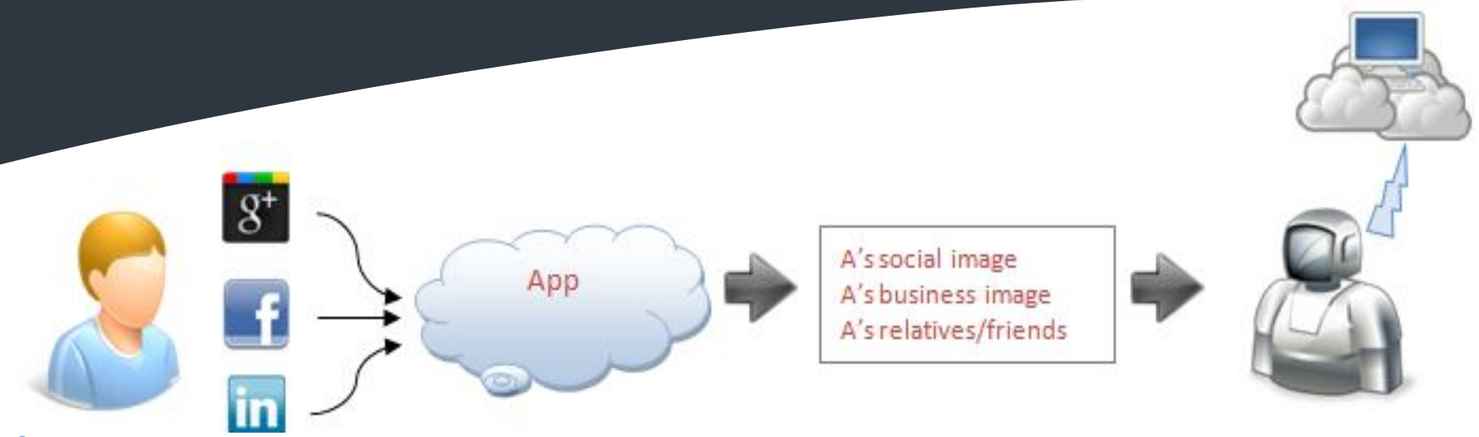
Social Cloud Robots



A

Figure 1

- The social robots would interact with human beings through an application running on the social network engine or the robot itself. Through this app robots would learn a lot about the human beings like:
  - They would learn the circle of their friends, the level of their mutual relationship etc.
  - They would understand their business circle, day to day business activities, dealings and the like.
  - They would learn the various habits, likes, dislikes, health related activities, daily routines etc of their users
- The robots would form an image of their users separate for each circle i.e. Friends image, relatives' image, business image and a social image.
- They would upload this image to the cloud, a social network of their own and share it with other social robots.
- Figure 1 above is description of the basic process between a user and the social robot.
- Figure 2 depicts the process shown in figure 1 but on a larger scale where robots upload and manipulates the various images and the common points among them.

Motivation

- Social Networks like Google Plus, Facebook, and LinkedIn etc. have had a brilliant effect on lives of hundreds and thousands of people.
- The idea is to power and connect the social robots with these social networks in a social network of their own and have better assistants and more caring buddies and better caregivers.

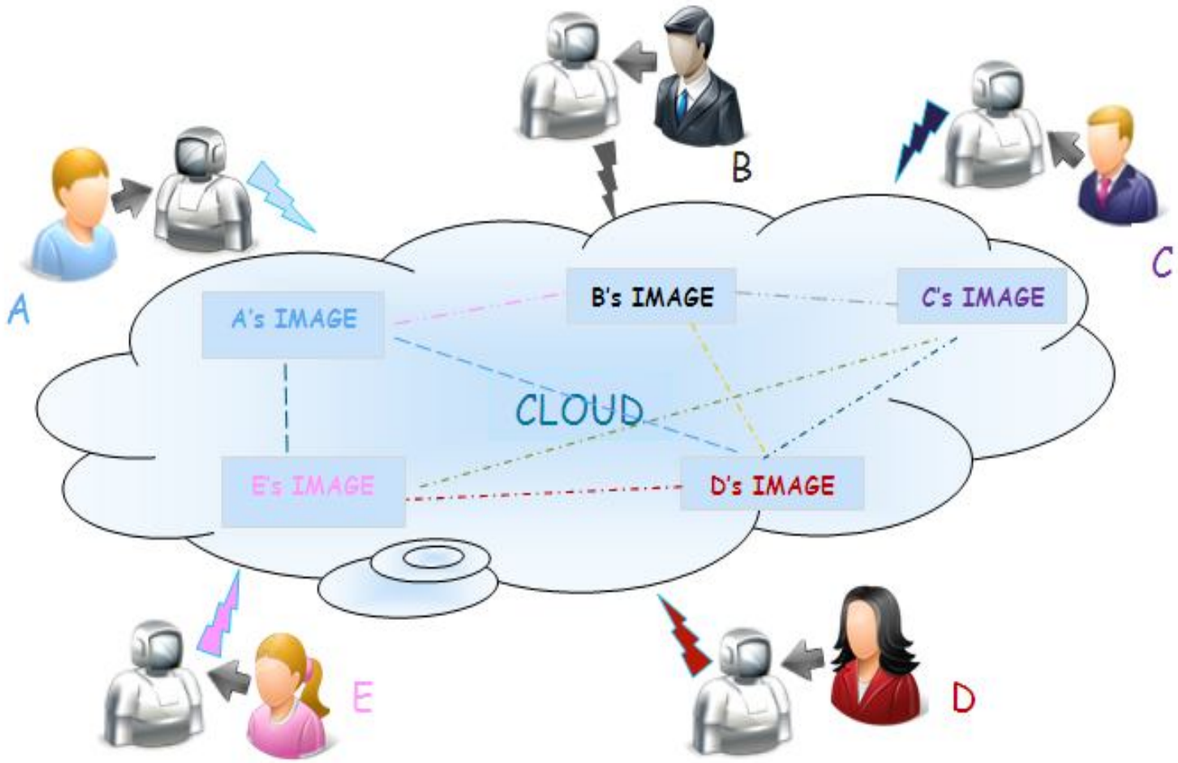


Figure 2

Imparting ubiquity and "Aliveness" in robots through social networks

Connecting robots with robots and robots with human using Social Networks

Innovation

Robot uses social networking sites to form a secure image of a person related to a peculiar taste

Extending the influence of social networks and social robots by connecting the two

1st scenario

Friends or relatives of a user arrive to meet him and how the home Cloud Social Robot interacts with them.

The cloud social robot would learn the friends and relatives circle of the user and when they would turn up, the robot would be able to recognize them via vision, speech sensor.

Then according to social image of a particular person, the robot would perform acts of social nature like it would serve the guest with a drink he/she likes or make a comment on some post of his/her etc. (figure 1)

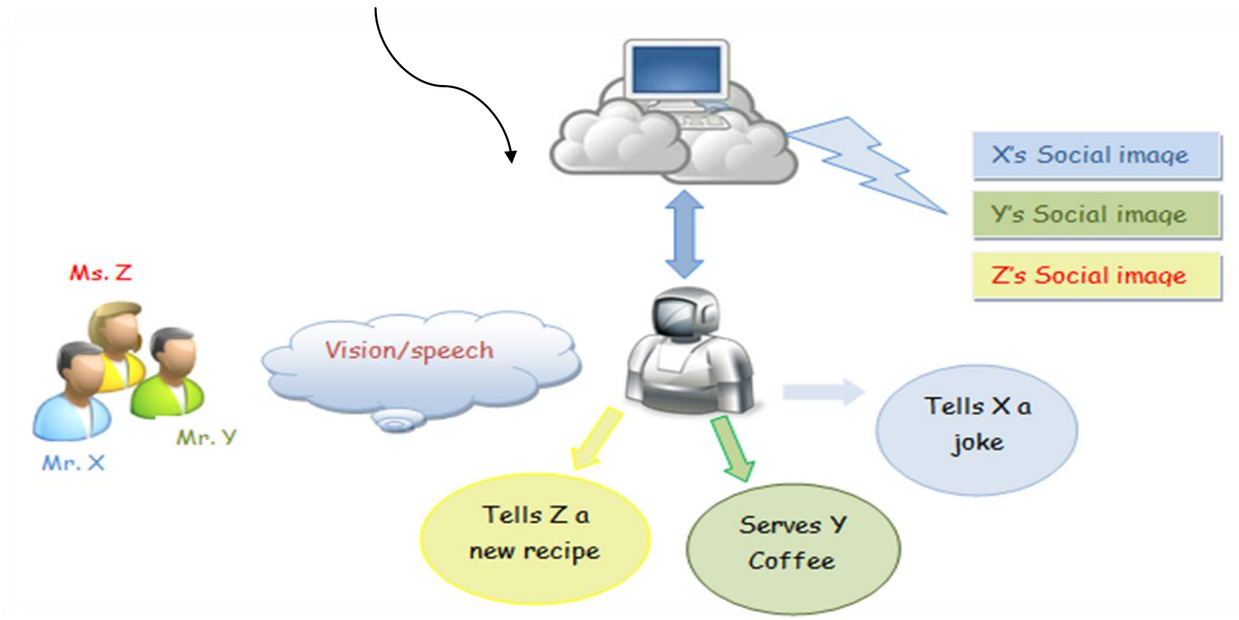


Figure 1

2nd scenario

- With the aid of pervasive health care sensors and its own intelligence, social robot monitors and learns the daily routines of elderly and disabled people and assists them accordingly.
- Social robot creates a health and fitness image and shares it on the cloud.
- Social robot responds to accidents and updates the status of the patient in the cloud i.e. notify the relevant doctor or a relative of the patient. On the other hand healthcare robots working in a hospital allow the physician to see the medical status of their patients and treat and diagnose accordingly (figure 1).

Health Care

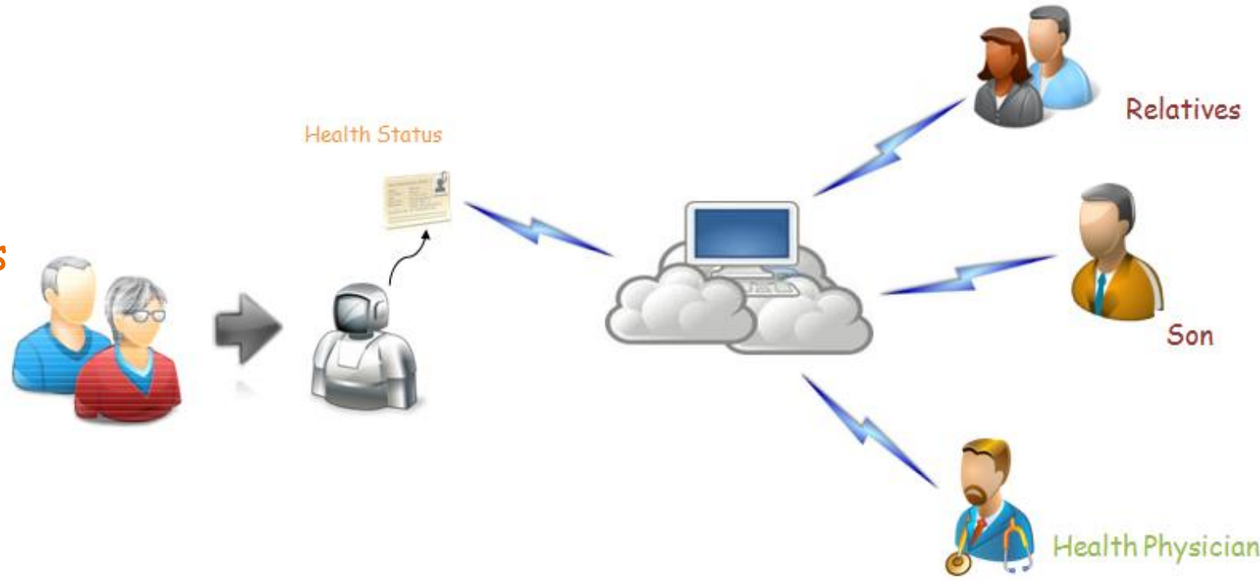


Figure 1

Business and Office

Figure 2

3rd scenario

- A social cloud robot working in an office scenario follows and keeps track of business activities of office staff and maintains their business image on the cloud.
- They interact with the robots of clients and other organizations and schedule meetings and other dealings and official matters.
- For example when a client turn up for a meeting, the robot informs him of the meeting time, agendas etc. Meanwhile they socially greet the client as per their social image and likeness (figure 2).