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Ann to the q: no 3a

Perceiving computing or more generally ubiquitous computing in ment to use any device. Its main aim is make to computing any devices any location any format. It may involve computer, mobile network, main firm middleware etc daily use object such as washing machine, refrigerator stuffs.

Ubiquitous computing is a concept available anytime using where using a interconnected computing system.

on the other hand IoT devices are network enable physical devices very less computer power, computing power.

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They can be part of ubiquitous computing system design to such devices.

The three types of between pervasive and IoT:

1. Human to human.
2. Human to machine.
3. Machine to machine.

Ans to the q: no 3 b

Pervasive computing, also called ubiquitous computing, is the growing trend of embedding computation capabilities into every object to make them effectively communicate and perform useful tasks in ways that minimize user need to interact with

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computers. Pervasive computing devices are network connected and constantly available.

Unlike desktop computing, pervasive computing can occur on any device, anytime. For example a user moving from his car office have involve include: Laptop, notes, smart-phones, tablets, wearable devices and netbooks.

How ubiquitous computing used : Pervasive

computing applications design for consumer use and help people do their jobs. An

example Apple watch alerts phone

calls allow. An environment in which

devices present everywhere, are capable some of computing be considered

- * energy
- * entertainment

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* healthcare

* logistics

* military

importance: Because pervasive computing systems are capable of collection processing and communicating data, they can adapt to the data content and activity.

Hinting:

ubiquitous



IoT



Multidevice
experience

Sensors



Smart
material and
design



Embedded
computing



IoT
applications



Low cost
low power
connectivity

pervasive computing applications

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Pervasive computing of Iot : The Iot
has largely evolved out of pervasive
computing. Though some argue there is
little no difference. Iot likely more in
line with pervasive computing rather than
winner's original view of ubiquitous computing.
Like Iot pervasive computing Iot
connected devices communicate and provide
notifications about usage, and also wirelessly
transmit network. The collection of
processing data is better sent directly to
servers on the internet in which computing
technology is centralized.

Ann to the a. no 2a

A smart card is a physical card that has an embedded integrated chip that acts as a security token. The chip can be embedded microcontroller or a memory chip.

Ann to the a. no 1a

The given scenario says that, Mr. Ivanzul Hanan is thinking about applying AI to identify specific problems in the field and showing the best approach with a robot character.

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There are different types of robots used in different cases by using them are many reasons that can be applied to the design of a robot so that it can meet its specific needs. The actuator is an electronic component that can work in the surrounding environment. Sensors allow robots to understand and measure the geometric and physical properties of objects in their surrounding environment for example position, orientation, velocity, acceleration, distance, size, force, moment, temperature, luminance, weight, etc, and given a scenario in identifying the problem and the fielding there are many reasons

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To minn the catches on ball, sometimes
it depend on the players position.

OR the force on of a ball. So the sensor
can read the environment and measure
the proportion and tracking the data and
then the actuator perform the action.

actuator in an output device and the output
device in control by the control system.

Easy to say the actuator when a form of power
to convert control signal into mechanical

motion. So we can read the environment
measure the data and take situation
and record minning field.

Then we get original tracking
and send it to computer. though

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actuator. This in how we can apply
AI to identify the penetration reason
of mining field and solved by using
neuron and actuator.

Ann to the a no 2 b

From this scenario 4 will one contract and
system reason in given below:

In this scenario Mr. Abdul employee are
very irregular. Mr. Abdul want to
solved this problem. He have to take
help from Mr. Babul. Mr. Babul proposed
a smart system with smart ID
card and smart lock system.

For 'Kabul' software contract based ID
cards in more suitable contract smart
cards are split into two major
categories: memory and microprocessor
memory cards are like CDs: they
hold data but are not intelligent devices
microprocessor chips are like pen
as they hold data and are intelligent
and protected that can be used for
given company in identifying and verifying
of protected portable data files.

By installing this system will be able
to identify regular employees,
take attendance of employees,
source his company data

If an employee absent this system will notify him. by this problem will be solved.

Ann to the a: no 2 c

A smart lock system can be deployed in a company. An for 'Kubul' software company they will be using smart cards for authentication. The entire system can be described as follows:

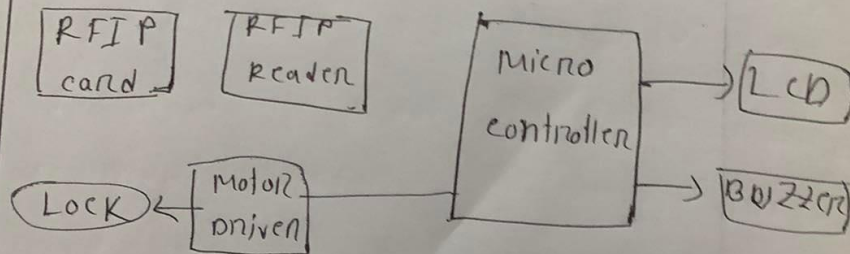
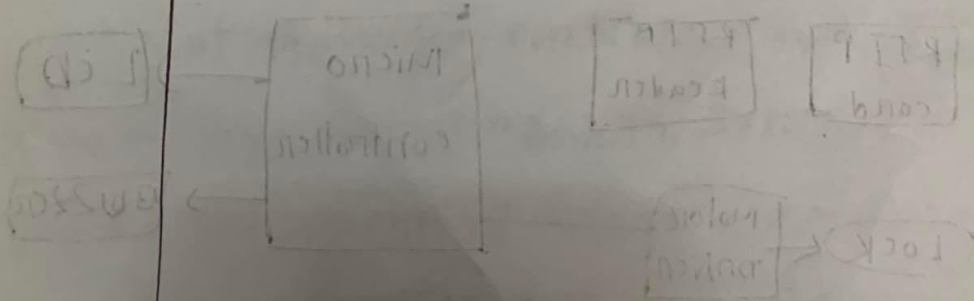


Fig: Schematic Diagram of smart Lock

The smart lock will consist of a micro controller that will be the main processing unit. It will have a RFID reader to read the main processing unit. It will have a ~~RF~~ RFID reader ~~to~~ to read the RFID smart card for actuator of the system. There will be motor driven that will control the lock actuator.



Answer to the Q. No 1 & 3

We called it smart because a smart system function of sensing, actuation and control in order to describe and analyze situation and made decision based on the situation and made decision based on the situation. We used a robotic character to find out problem through sensor and actuator. So we easily called it an a smart system.

Now here in the description of the internal structure and each component activity for the

contract system in pervasive computing.

In that scenario, we can find problems by applying AI. In that case we need human motion to track their records and apply the best things.

For record human motions, we have to need sensors. The sensor is tuned to detect the presence of human. But there is some limitation for using PIR sensor. It works only if the human is in motion.

So, if the player is in a stationary or static position, we have to use a video eye sensor to track their records.