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HUMAN RECOGNITION SECURITY SYSTEM BASED ON DRIVING LICENSES

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ABSTRACT — Security is one of imperative part of each one's life. Whatever a man has he simply need that to be secure. For instance in a few positions the information is most critical for an office or for a business or in banks. There are numerous methods to secure information. Likewise the one needs to stop an unapproved access in work place or in his/her place where a man need the spot secure. Pin Security, Card Security and Biometric Security and so on gigantic measure of securities are produced to stop unapproved access. Nowadays the security in broad daylight spot is likewise generally vital. There are huge measure of accident occur out in the open spots because of absence of security and a huge number of people groups lost their life. Some spots are so occupied and the most event spot one can't make it legitimate secure with any tight timetable security. Particularly in India there are huge measure of spots which are so occupied and too hazardous as well according to security and the arouses even with tight security however with open access are likewise perilous. Number of disasters happens in India in which the offices don't have any piece of information. Not just in India if a system is sorted out in an open stadium anyplace in world, the amount of security an organization can forced on and imagine a scenario in which the incident happens. The security won't discover any piece of information of that setback. Yet, in this paper there is a framework that can discover the individual's bio-information entered in the occurrence places. The advantage of this framework is that the security organizations have hint about all persons present in that place, which make them simple to get to the liable individual.

I.   INTRODUCTION

This security framework depends on a card which is accessible in everybody's pocket. Driving License is the card which is accessible in everybody's pocket. Nowadays all the framework is unified with a chain

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IRJIF IMPACT FACTOR: 3.01

of Adhar card in India. In Adhar Card, Biometric of each individual is accessible. So if Government of India connects Adhar information with Driving License, when it is anything but difficult to distinguish a man as the Driving License is exceptional for each individual. There is not end yet The Main Devices which are obligatory for framework are:

· **RFID (Radio-frequency identification) Tag**: RFID is the procedure by which things are extraordinarily distinguished utilizing radio waves. At the very least, a RFID framework contains a tag, and receiver. The receiver sends an examining sign to the tag by means of the radio wire, and the tag reacts with its interesting data. RFID labels are either Active or Passive. Here we require dynamic RFID tag. So dynamic RFID labels contain their own particular force source giving them the capacity to show with a read scope of up to 100 meters. The RFID label need not be inside the viewable pathway of the RFID Receiver, so it might be installed in the followed object. RFID is one strategy for Automatic Identification and Data Capture (AIDC).

· **SATELLITE MODEM:** A satellite modem is a modem used to set up information exchanges utilizing an interchanges satellite as a hand-off. A "modem" remains for "modulator-demodulator". A satellite modem's fundamental capacity is to change an information bit stream to a radio sign and the

other way around. As opposed to this the framework needs:

· A brought together database which comprises of the considerable number of information which is accessible on card. This unified database is connected to framework by means of Satellite Modem.

· A database joined framework to spare the passage and way out of a man.

II.   WORKING OF NEW SYSTEM

Before working the compulsory apparatus required to create this security system:

1.   Centralized created database. This database will be in contact with all security systems.

2.   Satellite modem which creates connection with security system and centralized database.

3.   RFID Receiver.

4.   System Database to save the compared data.

5.   A computer System to attach all devices.

6.   Tag card, which will be given to person in form of Driving License. This Tag can be hidden in card. i.e. can be unknown to user to make the system more secure.

The working of this system is quite easy.

This system is based on Active Reader Passive Tag (ARPT) system technology.

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Fig : RFID Tag Card

In this technique an active reader, which transmits interrogator signals and also receives authentication replies from passive tags

Here Driving License is utilized as RDIF Tag. To make driving permit as RFID Tag the circuit identified with the RFID Receiver needs to insert in that card. When this card will interact with the RFID Receiver, The label card gather vitality from a close-by RFID Reader investigating radio waves and naturally enacts. At that point Tag Card send the answer inquiry to RFID Receiver There are distinctive scopes of RFID framework present, yet in this security framework utilize 3.1–10 GHz (microwave) Ultra wide band RFID having range up to 200 m. The label card will cost roughly 180/ - Rupees to 300/ - Rupees just, which can undoubtedly hold up under by a client as well.

• In this framework there is additionally need of NFID Receiver. A RFID Receiver is essentially a
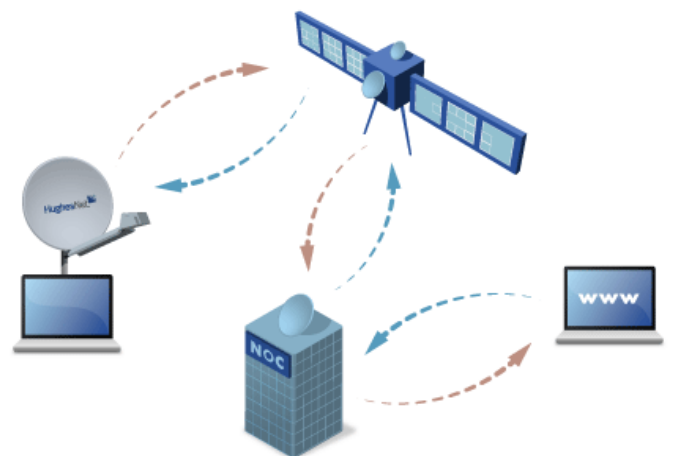
radio Frequency (RF) transmitter and collector, controlled by a microchip or advanced sign processor.

Fig : RFID Receiver

The reader, using an attached antenna, captures data from tags then passes the data to a computer for processing. Readers can be affixed in a stationary position.

• A satellite modem is used to establish data transfers using a communications satellite. A satellite modem's main function is to transform an input bit stream to a radio signal and vice versa.

Fig : Satellite Modem

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- Database is used to save the identification of a person in system for clue of happening places.

So the setup of system will be as follow
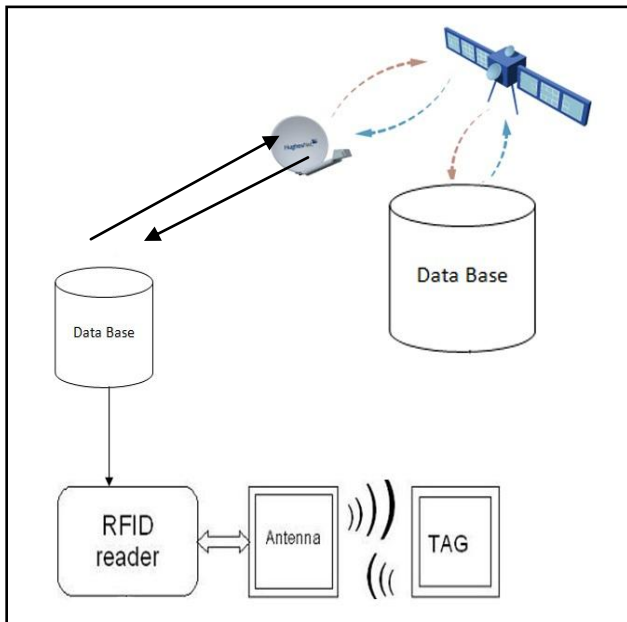
Fig : Working of Security System

Presently the working strides for the framework are as underneath:

• When a man having label card enter a spot where the framework is implanted.

• The RFID Device initiates RFID Tag. The RFID Tag answers back to RFID Receiver. This correspondence happens with the assistance of Micro waves.

• Now RDIF Reader has information which the tag has. The framework RFID Receiver is connected to essential Database made by Government midway through satellite modem. RFID Receiver send inquiry to contrast the Identification information with essential database through satellite modem and

essential database answer back to the framework by adaptation of this information. Presently the reaction of Primary database is spared in database of framework.

Presently the framework database has:

1. Verified Identified Data i.e Identification of a man which is looked at and confirmed by essential database.

2. Entry time of that individual

3. Exit time of that individual.

This framework can deal with various labels at once without being line to sight to gadget. The velocity of sending and grapping inquiry is high. So if incident happens at any occurrence put then by every above data organizations can sort the case effortlessly.

III.   CONCLUSION

This paper gives new security in light of the RFID System. The security is for open incident spots like stadiums, Parks, Cinemas, Concerts and so on where the individual are absolutely obscure to coordinators. This framework gives just information of the individual entered set up where it inserted. With the assistance of this framework, if disaster happens where this framework is installed, the information of persons stimulating at that place will be close by of organizations and it will be simple for them to get the individual behind this instability.

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IV.   FUTURE SCOPE

The scope of security system is very vast and can be elaborate up to any instance. This system is new from all sides and is theoretical till now. No experiment is done on this system. So there must be some flaws ether in hardware or in software side, which can be corrected

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