Smart Luggage System

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Abstract - A smart luggage system is used for traveling purposes. It is used for finding lost bags using the get location function we can find lost bags. It is user-friendly. It is easy to handle. A Smart luggage system is used to track the bag or luggage which we carry during traveling. Losing or misplacing a bag is also avoidable using the detection method. The Internet of Things(IOT) is a network that is embedded with sensors, electronics, and other network-related things, which helps the object to collect and exchange information.

1.INTRODUCTION

A Smart luggage system is designed for carrying lightweight luggage. It is modified with electronic technology using GPS so we can find the location of the bag. The smart luggage system will be luggage that will followed by the user throughout the surface without any type of need for the user to use drag and drop. It is difficult to carry luggage by manually at airports and railway stations, especially for elder people, and also causing. Many problems for its user.

The smart luggage system is a prototype. The bag can automatically follow the user. It can be programmed to follow the user based on the MIT Inventor. The smart luggage system is used to create an simpler way of luggage for travelers at the railway station, etc.

2.OBJECTIVES

- Easy luggage management at railway stations and airports.

- This smart luggage system is user-friendly & easy to handle.

- The proposed system is helpful to users for security purpose.

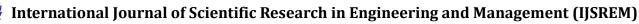- It is used to reduce human efforts.

Table -1: Technical Specification

Microcontroller	Mega Arduino
Operating Voltage	5V
Input Voltage(recommended)	7-12V
Input Voltage(limits)	6-20V
Digital I/O pins	54
Analog input pins	16
DC current per I/O pin	20mA
DC current for 3.3V pin	50mA
Flash memory	256KB
SRAM	8KB
EEPROM	4KB
Clock speed	16MHz

Fig -1: Figure

3.FUTURE SCOPE

In future, we are planning to include some extra features like woman safety features. These features make the bag more secure, powerful and user friendly.

4. CONCLUSIONS

Smart luggage system is developed to achieve the human following behavior as a first step towards the development of an intelligent bag moving along with a person.
The proposed system for developing smart suite cases which are more than just suite case.

The project is achieved to develop an stylish and attractive luggage that can be controlled anywhere and anytime via smart phone.

5.REFERENCES

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