

Are you someone
**who misplaces things very
often?**

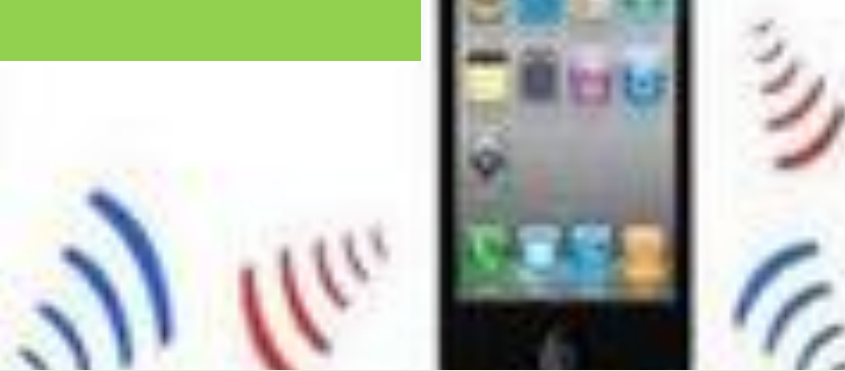
Is losing your cell phone, wallet, or keys part
of your daily routine?



**WE'LL DON'T WORRY,
WE HAVE A SOLUTION FOR YOU..**

AND IT IS CALLED:

THE ITEM FINDER



WHAT IS THIS?



WHAT IS AN ITEM FINDER?

- The Item Finder is a gadget used to locate misplaced objects.
- The interface uses an android application through Bluetooth connectivity.
- Substantially, a command will be given by the user to trace an object through the smartphone application.
- Subsequently, the object will be tracked by a buzzer sound.



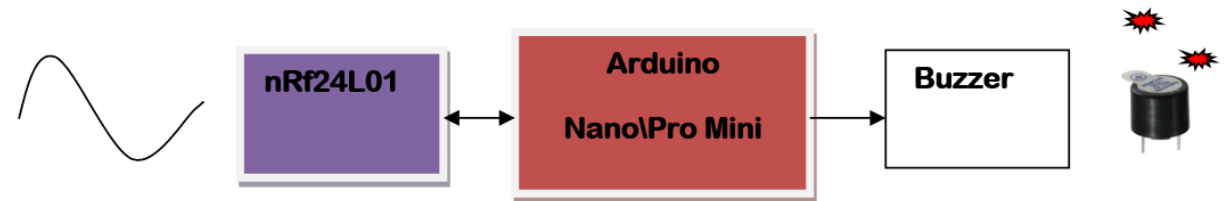
FUNCTIONALITY

- A master device communicates with a smartphone using Bluetooth.
- Once a signal from the smartphone is received, a particular device will be located.
- In case the device is out of range, a message signal will be sent back to the smartphone

DEMONSTRATION



Fig() Illustrates the working of transmitter module

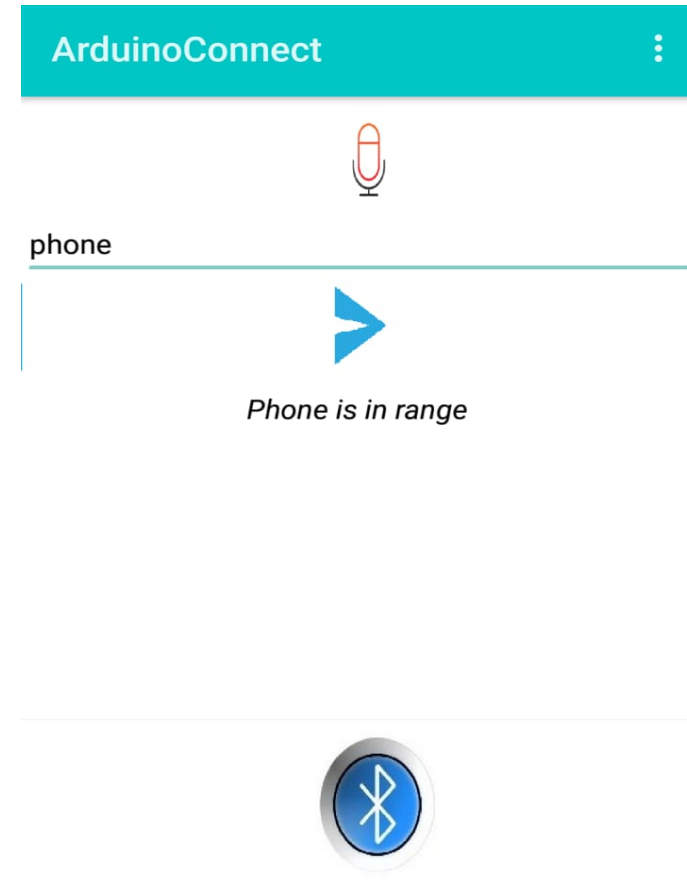
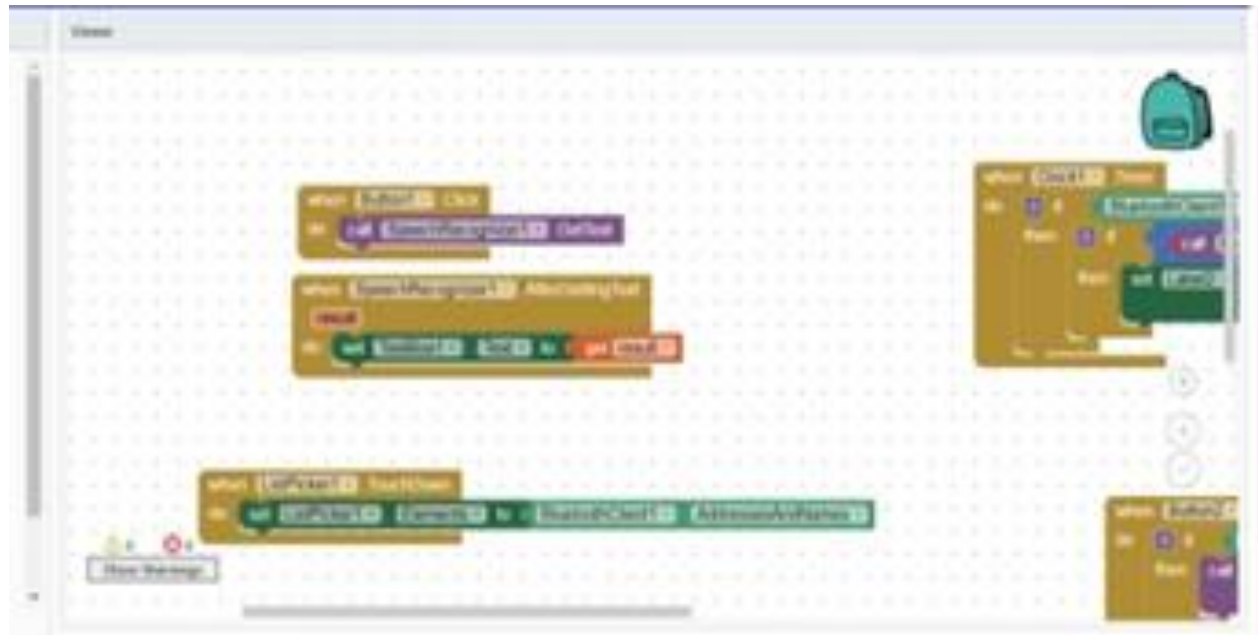


Fig() Illustrates the working of Receiver module

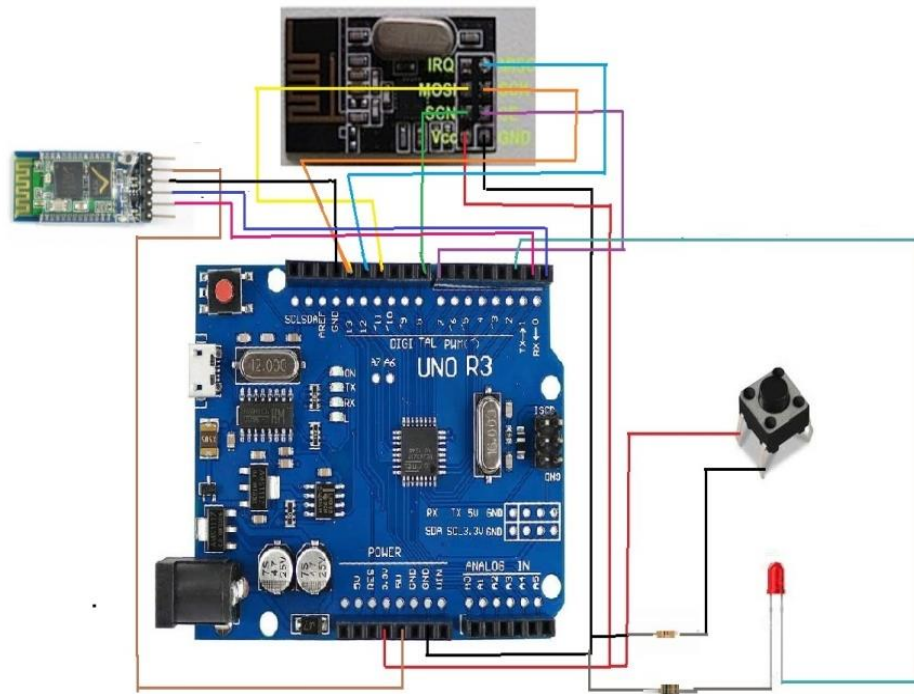
ARDUINO CONNECT



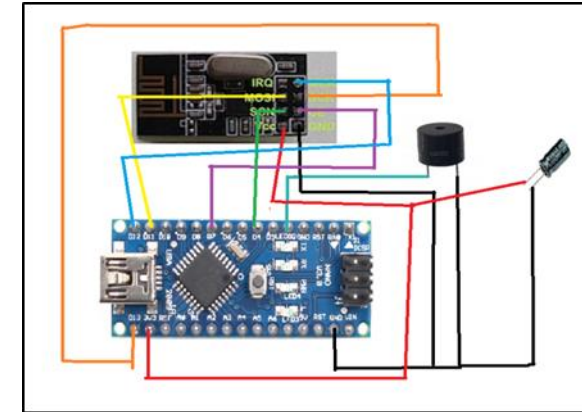
1. Speech to Text converter
2. SEND button to transfer data
3. List picker to select the Bluetooth Server Device
4. User friendly with minimum clutter



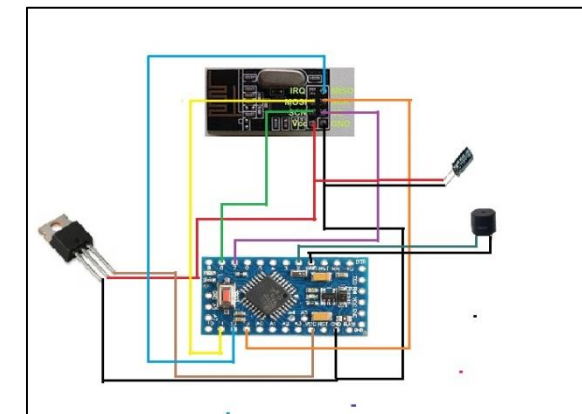
SYSTEM DESIGN AND WORKING



TRANSMITTER



Receiver Module using Arduino Nano



Receiver Module using Arduino Pro Mini

Features

- ▶ **Design**
- ▶ **Durability**
- ▶ **Battery life**
- ▶ **Alert sound**
- ▶ **Multiple connectivity**
- ▶ **Cost effectivity**

IMPLEMENTATION

Presently, the product is capable of the following applications:

- Finding a specific vehicle in the parking lot.
- Tracking new born babies, in a nursery.
- Can be sold as manufactured end products with a perfect finish with an affordable cost.
- Tracking shifted cargo in short ranges.
- Labelling live wires in aircrafts.

FUTURE WORK


The performance and scope of the product can be enhanced by the following Proposed work:

- Size minimisation by implementing circuits using a PCB.
- Introducing Li Po ion batteries.
- Long range tracking using antennas and also using LORA.
- Security improvement fixes.
- Less power consumption by eliminating resistances



CONCLUSION

- **The objective to develop a tracking device for misplaced objects has been fulfilled.**
- **The cost and expense has been reduced as compared to the existing work.**
- **The device is simple and reliable.**
- **Ease of communication and a great interface.**
- **Basic building block of large number of applications**



THANK YOU !