



RAJALAKSHMI
ENGINEERING COLLEGE

**SMART BIKE RFID ENABLED ENGINE
SELF START AND LOCATION TRACKING**

DRIFT N' RIDE

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Smart Bike: RFID-Enabled Engine Self-Start and Location Tracking

Explore the innovative world of the smart bike. This vehicle combines convenience and security. It features an RFID-enabled engine and precise location tracking. This offers riders a blend of technology and ease.





Revolutionizing Commuting with the Smart Bike

Discover the defining features of the smart bike. It is changing how people commute. From enhanced security to seamless starts, it elevates the riding experience. This is modern urban transport.

1

RFID Engine Start

Secure, keyless ignition system for a hassle-free experience.

2

GPS Tracking

Real-time monitoring and anti-theft measures.

3

Mobile App Connectivity

To access GPS module using an Application.

Problem Statement:

Problem

Current bicycle security measures are inadequate, leading to high theft rates and a lack of convenient features for users. Traditional bikes lack integrated technology for theft prevention, personalized engine start, and location tracking, resulting in a frustrating user experience.

Impact

Bike theft results in significant financial losses (>\$1B annually in the US). Lack of self-start and location tracking leads to user inconvenience, limiting the potential for shared bike programs and efficient usage.

What we are going to do?

How might we design a smart bike that integrates RFID technology for enhanced security, self-start capabilities, and location tracking to minimize theft, improve user convenience, and promote wider adoption.

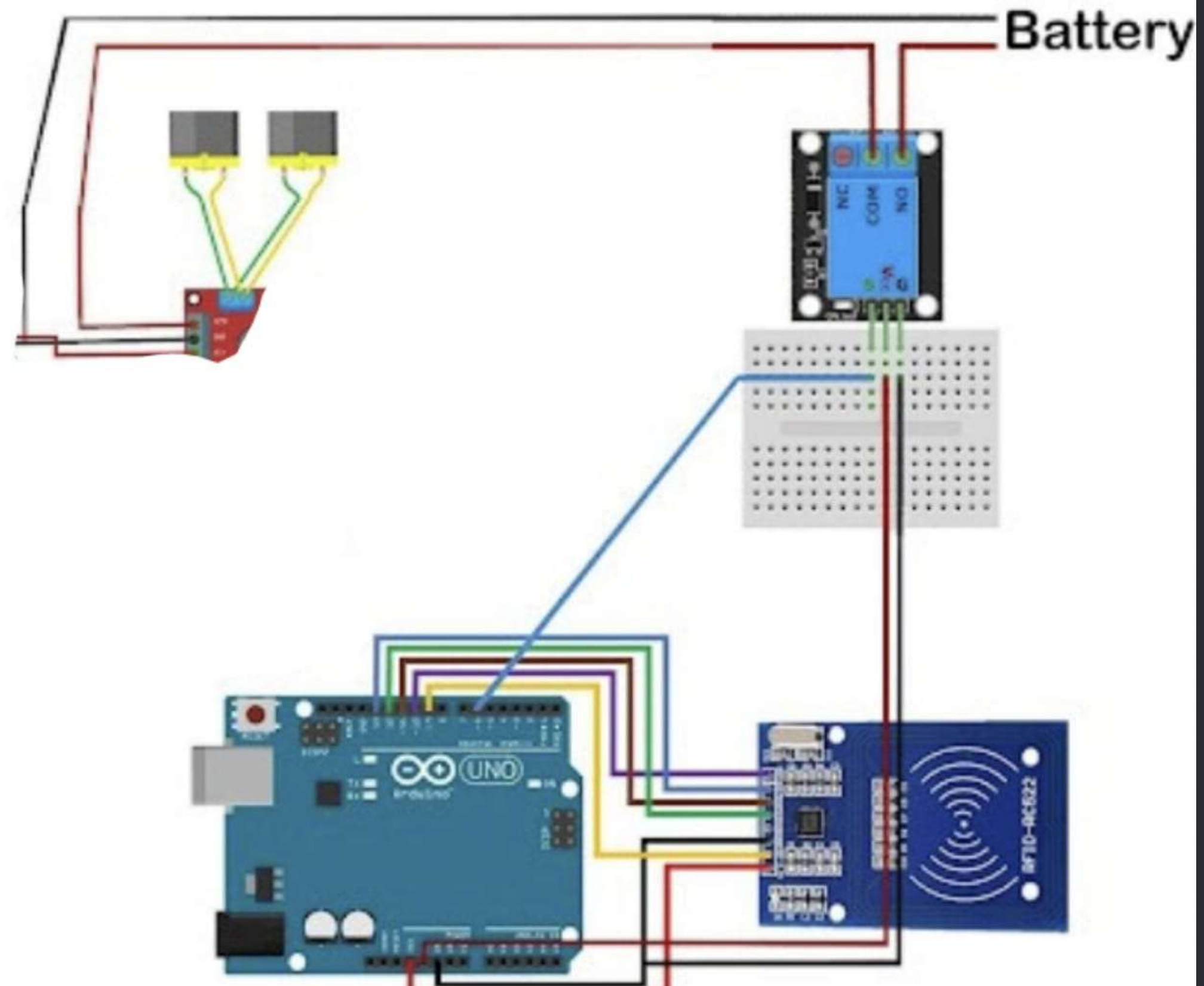


Prototype Overview:

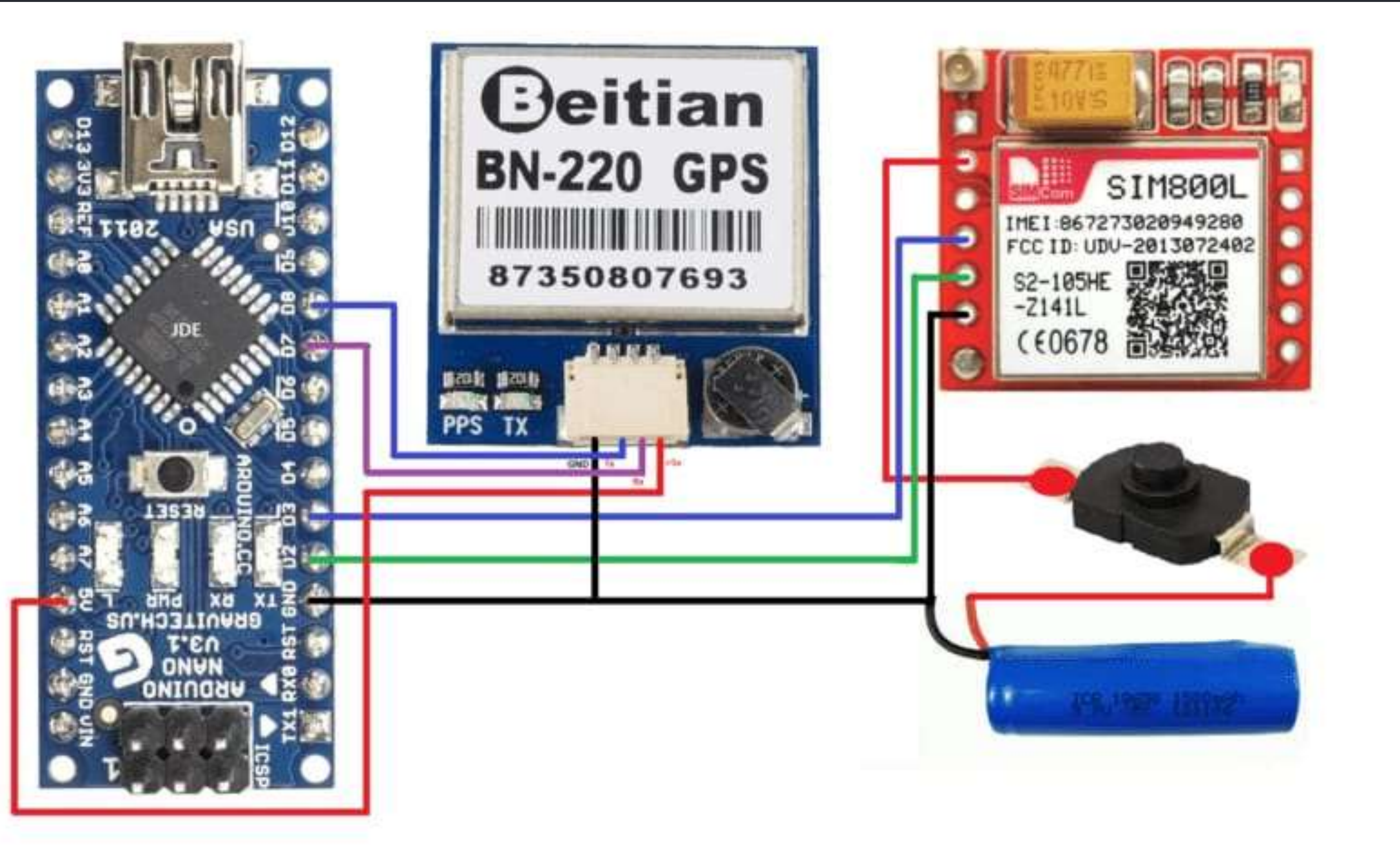
RFID and GPS Modules

Our prototype is designed with two distinct modules: the RFID Module and the GPS Module. Each module plays a vital role in providing comprehensive tracking and identification capabilities within our system.

RFID Module



GPS Module





*Thank
You*

"FEEL THE FREEDOM, CHASE THE WIND."