# National Agro Hackathon

**Version 1.0**

# Introduction

**Theme name:** Precision Agriculture including applications of sensors, WSN, ICT, Artificial Intelligence, IoT and Drones.

**Problem Statement:** Live Stock Managment Using GNSS Technology

**Team Name:** Response Code 304

**Institution Name:** Velagapudi Ramakrishna Siddhartha Engineering College,Vijayawada,Andra Pradesh

**Team Members:**
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# Idea Approach

Live Stock Management using GNSS technology includes live monitoring of livestock like cows, buffalos, etc.

AGRICULTURE NOT ONLY INCLUDES PLANTS AND ITS CORRESPONDING PROBLEMS BUT, ALSO INCLUDES CATTLE,POULTRY MANAGEMENT E.T.C
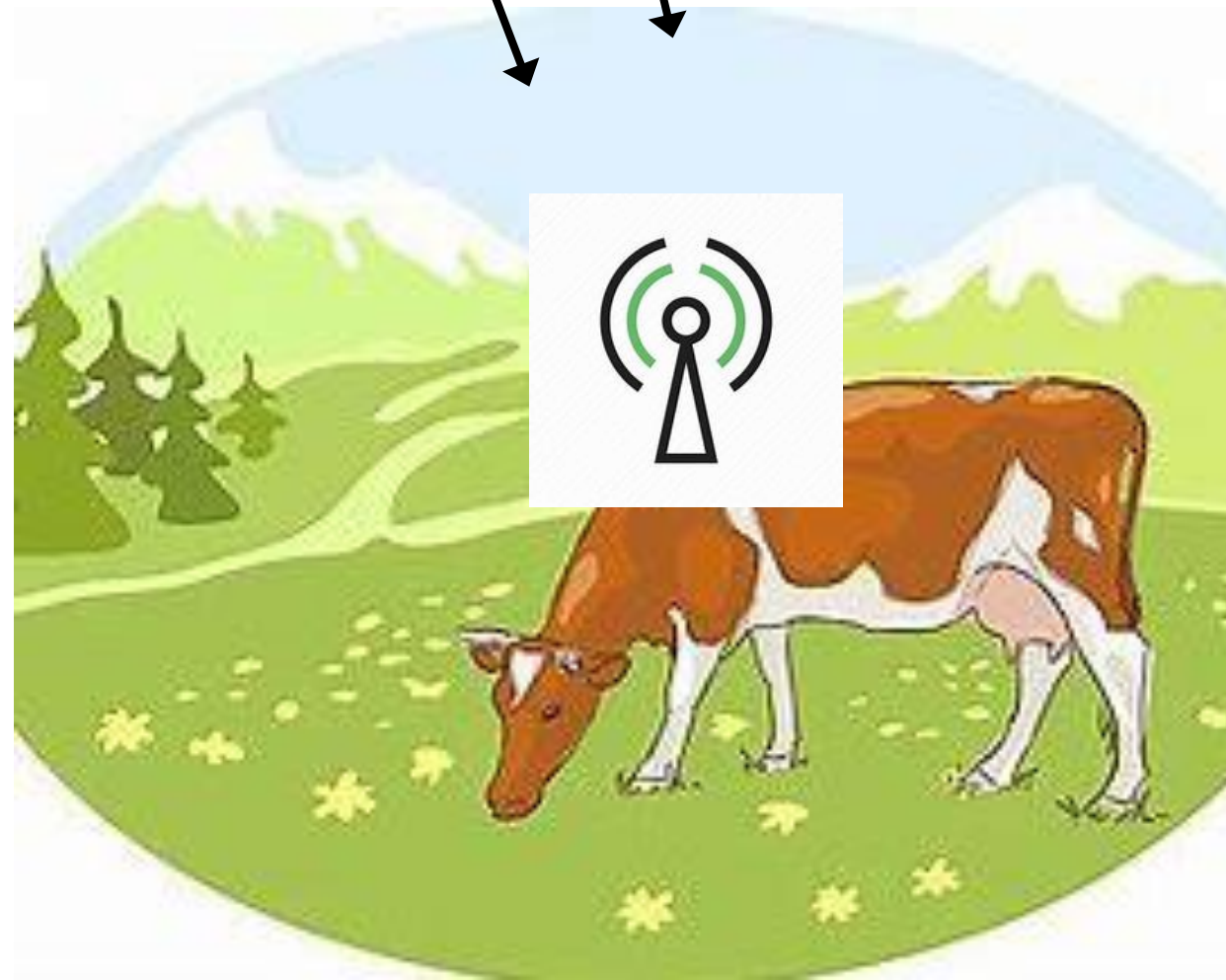
**CASE STUDY 1**

**(THE STATESMAN)**



1.20 lakh cattle fell prey to train accidents in four years

So our product PASHU MITHRA is a solution for this social problem in live stock monitoring and management system

# Prototype

# Features/Benefits

1. Improved Animal Tracking

2. Better Resource Management

3. Early Disease Detection

4. Increased Efficiency

5. Improved Record Keeping

6. Enhanced Live Stock Security

# Tech Stack

# PASHU MITHRA

## 1.GEO FENCING



Geofencing is a feature in a software application that uses NAVIC, RFID, Wi-Fi or cellular data to trigger a pre-programmed action when a mobile device or RFID tag enters or exits a virtual boundary set up around a location, known as a geofence. Geofencing in vehicles can make it easier to manage drivers or deliveries, and to keep company cars, vans and lorries secure.

## 2.Lora Technology

By using Lora We are going to transmit the data of live stock to the owner/cattle feeder

## Dependencies

1.Gnss Technology for live stock location .
2.lora Technology

## Future Scopes

**We can restrict the live stock in such a way that they are safe and healthy without any accidents on roads and train accidents**

## Showstoppers

**coming to our Marketing Strategies :**
**B2B -Veterinary Doctors**
**B2C -Live stockholders like farmers**