



SNS TECHNOSYS LLP

Works: Sr.No.26/2/1, Matoshri Building, 1st Floor, Vishal Nagar, Jagtap Diary, New DP road, Pimple Nilakh Pune- 411027.

LLPIN: AAN-5561

Letter of Intent for Industry Sponsored Project

Date: 06/08/2025

We are pleased to extend an offer to have the following students from Second Year Electronics and Telecommunication Engineering, Vishwakarma Institute of Technology, Pune, join us as Industry Project Interns under our guidance and mentorship. This is to certify that our company has sponsored the following project to support academic-industry collaboration, skill development, and innovation.

Project Title:

COWAlert: A IOT solution for milking automation

Project Description:

Remote monitoring of COW for safe usage and improving yield.

1. Cow enters milking area
2. Load cell measures milk yield in real-time
3. ESP32-CAM streams live milking video
4. Motor auto stops after milk completion (slave controller)
5. Collar monitors temperature & motion continuously
6. **AI analyzes patterns & sends alerts to farmer via WhatsApp/App**

- Microcontrollers: ESP32, ESP32-CAM

- Storage: Firebase, AWS IoT, MongoDB

- AI: Google Colab, Scikit-learn, TensorFlow

- Alerting: WATI API, Firebase Messaging

- Farmer Dashboard: Godhan App

Project Start and End Date:

July 25, 2025 to December 25, 2025

Student Name

1. Harshvardhan Shinde

2. Tarun Sayal

3. Snehal Sagar

VIT Faculty Mentor:

Prof. Ashwini Navghane

Authorized Signatory

Name: Sunil Tamgole

Designation: Director

Company Name: SNS TECHNOSYS LLP

Email: info@snstechnosys.com

Contact No.: 9860239027