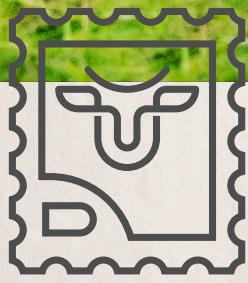


# DIGITIZING CATTLE BREEDING & HERD HEALTH MANAGEMENT



**gavyam**  
Gentech Pvt. Ltd.

# INNOVATION AND CATTLES

## A Productive Partnership

Enhance the **genetic quality** of cattle,  
improve **BREEDING**  
and  
**MILK YIELD** with a  
simple step!



Automate cattle breeding and management with digiGAI.



digiGAI offers turnkey solutions to optimize the entire cattle breeding and management process with smart tools. With digiGAI, a cattle breeder can precisely monitor a cattle's health, ensure biosecurity, keep track of the reproductive cycle, and boost the fertility rate.

### How can digiGAI help you?

Our products are designed to keep a balance between animal welfare and higher cattle productivity in the most affordable and convenient manner possible.



**Increases** success rate of AI and thereby enhancing the production rate of cattle



**Helps** the breeder choose the best genetic attributes



**Reduces** labor cost and guesswork

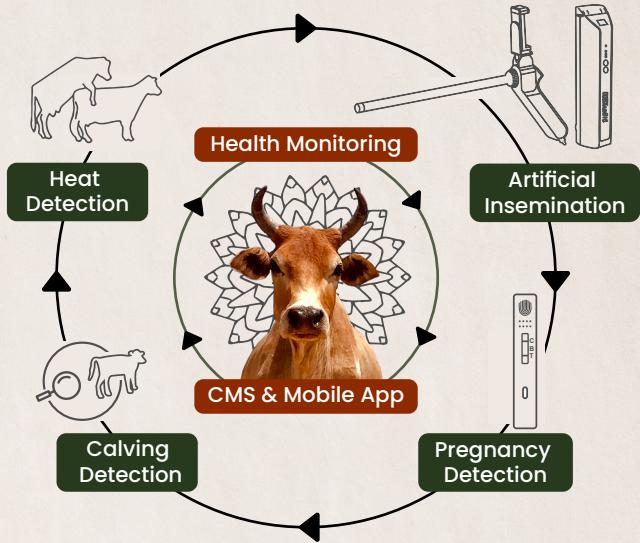


**Promotes** disease prevention and control



**Saves** time and investments with precise information

# digiGAI is reshaping cattle management smartly!



## Current Scenario

Keeping a close track of a large herd leads to a lot of guesswork

Culling and reproduction are determined by age

The risk of failed insemination or a weak calf is high

Manual inspection of animals for signs of diseases or injury leaves room for error

Currently, artificial insemination is an exhaustive and expensive process with a high risk of loss

## Digitized Management

But with real-time data, you can make informed and timely decisions

But precise monitoring notifies when the particular cattle is ready for breeding

But with Digital Thawing Equipment, errors can be minimized resulting in higher accuracy of artificial insemination

But tech-based detection regularly evaluates the herd health thoroughly without any compromise

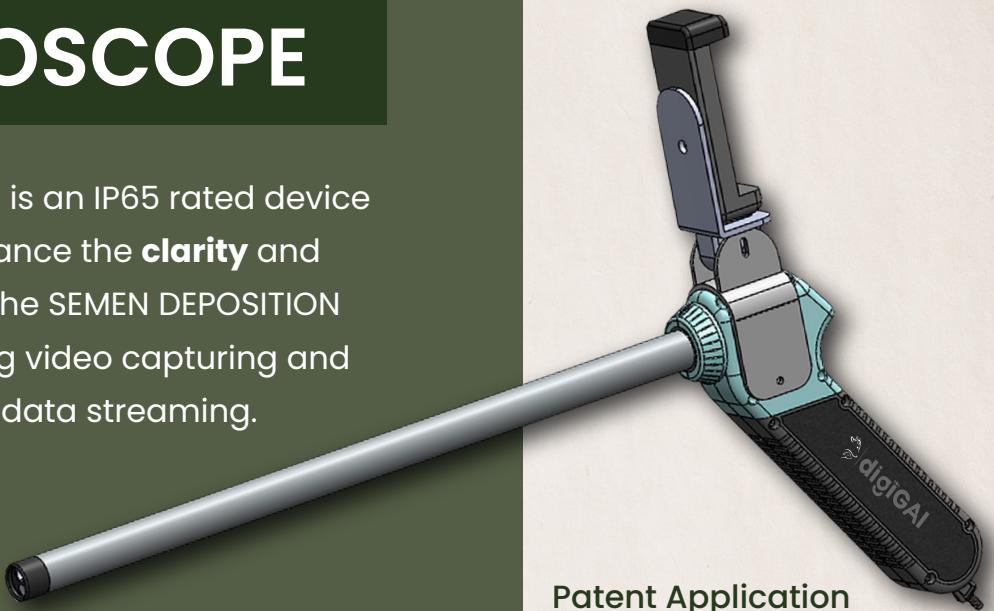
But with Digital Vet Endoscope, the AI worker can reduce the guesswork and can accurately track the semen deposition process. DVE also helps in the early detection of reproductive diseases

INTRODUCING

digiGAI

# Digital Vet ENDOSCOPE

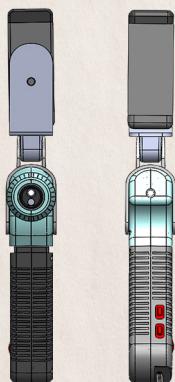
The digiGAI DVE is an IP65 rated device used to enhance the **clarity** and **accuracy** of the SEMEN DEPOSITION PROCESS, using video capturing and wireless data streaming.



Patent Application  
No. 355554-001

- Real-time video can be streamed remotely on the mobile app
- Easy to carry and compatible for single-handed operation
- The detachable outer pipe allows it to be used for any cattle
- Provides a bright and clear camera vision with 720p resolution
- Continuous high-resolution video streaming for 4+ hours

## Know the DEVICE!



- Waterproof IP65 rated enclosure
- High-definition 2MP camera with 720p resolution
- Smooth front cap for easy insertion
- High-density plastic material
- Detachable mobile holder base
- Dimensions: 370 mm X 46 mm X 170 mm (L x W x H)
- Weight: ~ 510 gms



INTRODUCING



# digiGAI Digital THAWING EQUIPMENT

digiGAI DTE is the best solution to **liquefy** the **frozen semen** and enhance the success ratio of **artificial insemination** in cattle. It is equipped with different buzzer patterns to indicate different operational stages, and also **displays** **live temperature** reading to minimize errors.



## What sets us **APART**?

- Compact and thin design
- Single/Multiple straw operations
- Unique and power-efficient heater
- Live temperature reading and device status display
- Uniform temperature control across water in the device

Patent Application  
No. 355554-002



## Know the **PRODUCT**



DigiGAI DTE      Battery

Waterproof IP65 rated enclosure

High density plastic material with thermal insulation

Dimensions: 51.11 mm X 61.77 mm X 225.90 mm (L x W x H)

Weight: ~250 gms

Prevents under or over threshold temperatures

Precision heater with temperature control

## There's more!

Displays specific error codes which helps in troubleshooting

Allows users to set threshold temperature and user operations with individual buttons

Allows power supply using an adapter, battery pack, and cable

Allows user to set temperature and track the usage of device remotely via CMS App integration

# INTRODUCING

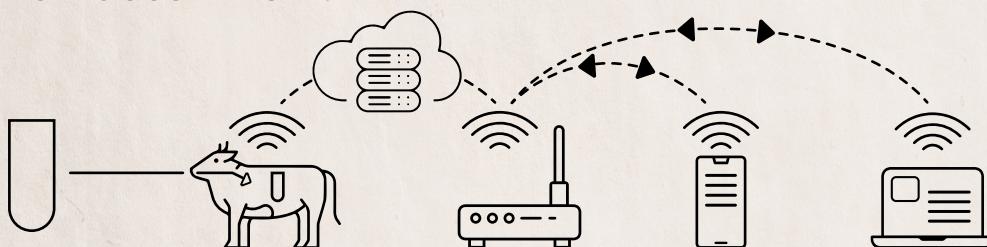
## digiGAI BOLUS

### Herd Informatics System

digiGAI **Bolus** is a revolutionary herd management solution that allows herd managers to monitor **cattle** throughout their lifespan using a **cloud-based system**.



### How does it work?



- Bolus is fed to a cattle which then sits in her stomach
- It transmits data to the gateway receiver installed locally
- The data is then transmitted to a cloud server which can be accessed using a smartphone/tablet or computer
- Provides real-time information and alerts about temperature & activity fluctuations

### Key FEATURES



Designed using waterproof IP65 rated enclosure material

Bolus is a harm-less SIM-free device and is as small as 3 coins

Low-energy consumption that results in five-year battery life

Data is stored safely and is easily accessible remotely

The LoRa data network uses cutting-edge technology to conduct the process

Sensors identify and forewarn about contagious illness

Capability of Identifying heat detection and calving alert

Long-wave spectrum with coverage of up to 1-2.5 km per gateway

### How is digiGAI Bolus revolutionizing herd management?

Real-time and reliable temperature measurement helps deal with unexpected issues

Lowers mortality rate and reduces economic impact by eliminating guesswork

Increases accuracy, and prevents data gaps with 15 minutes or hourly data updates

Analyzes the impact of environmental factors and variations in feed quality on cattle's health

# CATTLE Management SYSTEM



A **web-based dashboard** for one-stop access to all cattle related data

The CMS is a cloud-based dashboard that gives you real-time information about your cattle and helps you manage your operations smoothly.

- **CLOUD-BASED PLATFORM**

Remotely monitor herd health and breeding-related data using cloud support

- **INTERACTIVE AND USER-FRIENDLY PLATFORM**

User-centric interface with easy data representation

- **DATA CENTRALIZATION**

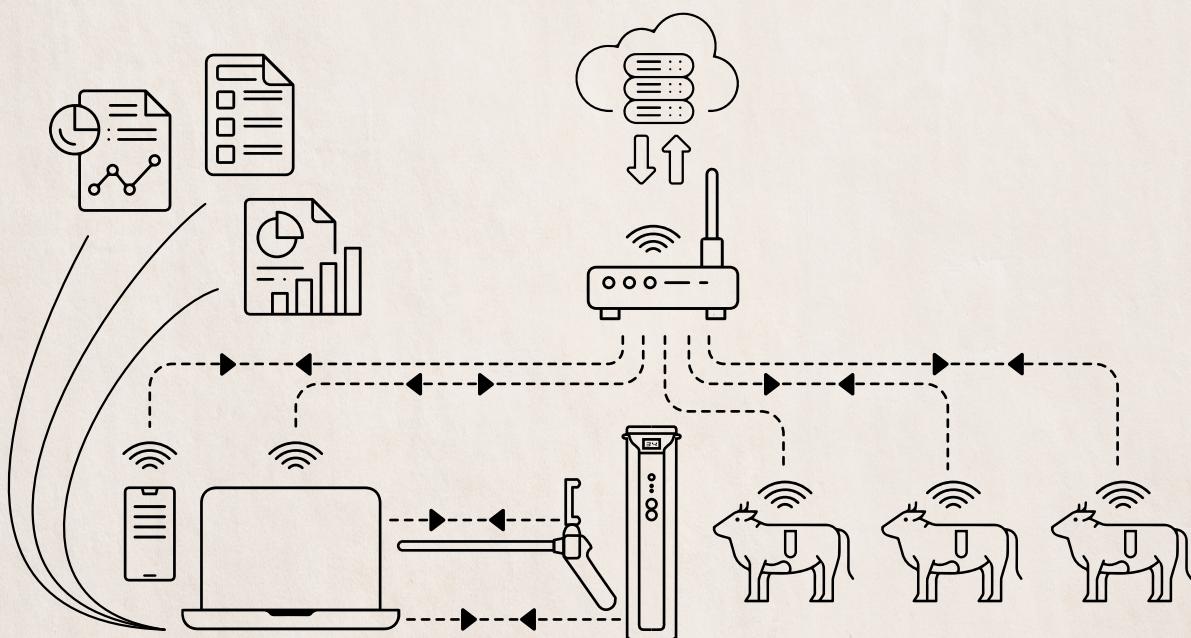
Centralize all cattle-related data on one platform and access a range of reports conveniently

- **COST-EFFECTIVE**

Regular updates eliminate data gaps and help to save time and effort

- **IMPROVES OPERATIONAL EFFICIENCY**

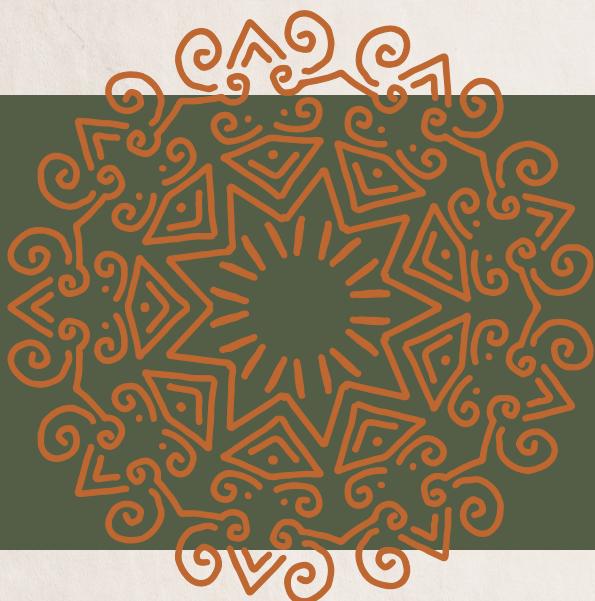
Statistics based on the collected data help users to improve site management



Digital **Portal** Sharing Information

# Who are we?

We are **manufacturers** of innovative, user-friendly, and affordable **dairy-tech products** that are transforming the aspects of **cattle management smartly and sustainably**.



We are Reinventing  
**India's DAIRY INDUSTRY**,  
Join Us!

To know more, contact us at

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