

Home (<https://ipindia.gov.in/>) About Us (<https://ipindia.gov.in/Home/AboutUs>) Policy & Programs (<https://ipindia.gov.in/Home/policypages>)
Achievements (<https://ipindia.gov.in/Home/achievementspage>) RTI (<https://ipindia.gov.in/Home/righttoinformation>) Sitemap (<https://ipindia.gov.in/Home/Sitemap>)
Contact Us (<https://ipindia.gov.in/Home/contactus>)

[Skip to Main Content](#)



(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic.in/index.htm>)

Patent Search

Invention Title	AI-Driven Indigenous Cow Management System
Publication Number	48/2025
Publication Date	28/11/2025
Publication Type	INA
Application Number	202541108922
Application Filing Date	07/11/2025
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	G06F 21/50, G01S 19/08, G06F 7/509, G05B 19/4063, G16H 20/00

Inventor

Name	Address	Country	Nationality
Shaik Mahaboob Hussain	Assistant Professor, Department of CSE, Vishnu Institute of Technology(A), Kovvada, Bhimavaram, Andhra Pradesh, 534202.	India	India
Kothapalli Vishnu Vardhan	Department of CSE, Vishnu Institute of Technology(A), Kovvada, Bhimavaram, Andhra Pradesh, 534202.	India	India
Korrapati Thiramala Narasimha Naidu	Department of CSE, Vishnu Institute of Technology(A), Kovvada, Bhimavaram, Andhra Pradesh, 534202.	India	India
Konduboyina Lokesh Surya Prakash	Department of CSE, Vishnu Institute of Technology(A), Kovvada, Bhimavaram, Andhra Pradesh, 534202.	India	India

Applicant

Name	Address	Country	Nationality
Vishnu Institute of Technology	Sri Vishnu Education Society, Kowwada Rd, Vishnupur, Kovvada, Andhra Pradesh 534202	India	India

Abstract:

The invention discloses an AI-driven system for conservation and management of indigenous Indian cow breeds. It employs artificial intelligence, image processing, and data analytics for breed identification, early disease detection, and health monitoring. The system integrates veterinary teleconsultation, digital marketplace for cow-derived products, and government scheme assistance within a unified mobile platform. By combining AI-powered diagnostics, economic empowerment, and conservation support, the invention enables sustainable livestock management, promotes biodiversity, and enhances rural livelihoods. The system is scalable, cost-effective, and adaptable for diverse environmental conditions, ensuring technological inclusivity and long-term breed preservation

Complete Specification

Description:FIELD OF THE INVENTION

[001] The present invention relates to the domains of agriculture, animal husbandry, and artificial intelligence, and more particularly to a computer-implemented system and method for the conservation, health monitoring, and management of indigenous Indian cow breeds. The invention integrates artificial intelligence, image processing, geospatial analytics, and digital data systems to facilitate breed identification, early disease detection, breeding optimization, and marketplace connectivity. It further provides access to veterinary services, government schemes, and conservation support, thereby establishing a unified digital ecosystem for the sustainable preservation, productivity enhancement, and economic empowerment of rural and smallholder farmers.

[002] This invention thus lies at the intersection of AI-enabled livestock management and indigenous breed conservation, creating a technologically adaptive, cost-effective, and scalable solution tailored to the socio-economic and ecological conditions of Indian agriculture.

BACKGROUND OF THE INVENTION

[003] Livestock plays a pivotal role in India's agrarian economy, contributing substantially to rural livelihoods, nutrition, and sustainable agricultural practices. Among the diverse livestock resources, indigenous cow breeds hold significant ecological, economic, and cultural importance due to their adaptability to local climates, disease resistance,

[View Application Status](#)



राष्ट्रीय मतदाता सेवा पोर्टल
NATIONAL VOTERS' SERVICES PORTAL

