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# IoT Based Animal Husbandry

**Harshita Pravin Shitut, Priya Renukadas Kannadkar, Muktai Shrihari Bakshi**
Students, Department of Electronics Engineering
Datta Meghe College of Engineering, Airoli, Navi Mumbai, Maharashtra, India

**Abstract:** *IoT is expanding its reach in all aspects of life while instantly adapting to our lifestyle. Its ability to transmit information real-time quick, accurate, and reliable has been advantageous to various domains. Animal husbandry has a significant contribution to the world's economy. The use of sensors for the overall welfare management of cattle and poultry animals has increased in the past few years. The constant development in IoT has created scope of opportunities in the field of animal and livestock management. The proposed system includes hardware, software and an alert system that aims to improve the health of the cattle. The growth in the applications of IoT in all aspects of our lives has an increased potential for reliably transmitting the necessary information. The use of IoT to constantly monitor the health of individual cattle reduces the farmers' work and improves the life quality of the livestock.*

**Keywords:** Cattle, Cloud Server, Internet of Things (IoT), Livestock Management, Motion Sensor, RFID, Temperature Sensor.

## REFERENCES

**[1].** Tariq A Raja, Azmat Khan, Irshad Ahmad Najar, "Internet of Things (IoT) for animal husbandry-and outlook in livestock and poultry," The Pharma Innovation Journal, June 2020.
**[2].** Bernard Ijesunor Akhigbe, Kamran Munir, Olugbenga Akinade, Luk-man Akanbi, Lukumon O. Oyedele, "IoT Technologies for Livestock Management: A Review of Present Status, Opportunities, and Future Trends," J. BDCC, vol. 5, Issue 1, February 2021.
**[3].** Dr. Kirti Wankhede, Manisha Pathakala, "Use of IOT in Animal Hus-bandry," Use of IOT in Animal Husbandry," J.IOSR- JCE, 2018.
**[4].** Meenakshi .M, Snehal. S. Kharde, "Advance Cattle Health Monitoring System Using Arduino and IOT," J. IJAREEIE, vol. 5, Issue 4, April 2016.
**[5].** T.Vigneswari, N.Kalaiselv, K.Mathumitha, "Smart IOTCloud Based Livestock Monitoring System: A Survey," Turkish Journal of Com-puter and Mathematics Education, vol. 12.