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(57) Abstract :

System and method are disclosed for poultry monitoring and disease detection in one or more poultry accommodated in a shed. Real-time images of the shed are collected through image acquisition units 104 installed at the shed, and using a recurrent neural network (RNN) architecture such as long short-term memory (LSTM) the received images are analysed, that facilitates in determining diseases such as flu, Newcastle disease, avian influenza, and etc. in the each of the accommodated poultry to classify healthy and unhealthy poultry. An automated arm 106 is provided to pick the unhealthy poultry form a first pre-defined area of the shed to the second pre-defined area of the shed. In addition, concerned authorities may be notified regarding the disease in poultry, thus further action may be taken to prevent infection in healthy poultry stored in the shed.

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