Literature Survey

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S.No	TITLE	PROPOSED WORK	TOOLS USED/ ALGORITHM	TECHNOLOGY	ADVANTAGES/ DISADVANTAGES
1	Deep learning's accuracy in identifying the varities of the plant species.	Plant species classification and identification have been established and the plant species has been discovered.	• Back propogation algorithm • KNN-based neighborhood classification • Support vector machine	• Artificial intelligence. • Deep learning • Artificial neural network	This shows that the species of the pant is identified and classified using artificial neural network
2	Endemic Bird species Prediction using Deep Learning Methods	Data acquired is processed using deep learning models	• Transfer learning method • Benchmark model • Inception-restnet-v2	• Deep Learning • Multilayered neural network • Inception-restnet-v2 • Benchmark model	The endemic bird species are identified and classified using inception-restnet-v2 model using deep learning

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3	Recognition of transmission line related bird species based on image feature extraction and support vector machine.	The paper tries to propose a knowledge discovery on the bird species from multiple sources.	• Machine learning algorithms • Grabcut algorithm. • Random forests • Support vector Machine.	• Machine Learning	This shows that the species of a bird will be predicted using this classifier technologies.
4	Bird species Identification using Deep learning on GPU platform	Study intends to establish efficacious process to identify bird species as accurately as possible.	• Classification. • Pre-processing. • Deep convolutional neural network(DCNN).	• Deep Learning • Artificial Neutral Networks	classification of bird using color feature,image, voice and the way of use of helps to identify the species of the bird.

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5	Improved deep learning – based approach for real time plant species recognition on the farm	Recognition of real time plant species on the farm by using the image pre-processing and deep learning	• pre-processing. • classification algorithm. • deep neural network. • deep learning models.	• Deep Learning	The accuracy of the data framing in this technology will be validated using classifiers.
6	Herpetofauna species classification from images with deep neural network.	Purpose of the work is to identify and classify the type of species by using image pre-processing and machine learning.	• pre-processing. • classification. • deep convolutional neural network. • machine learning algorithms.	• Machine Learning • Big data	The accuracy of identifying the species in the image using image pre-processing and big data has been achieved successfully .

THANK YOU