MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (UG -AUTONOMUS)

PROJECT TITLE
VIRTUAL PERSONAL ASSISTANT

Abstract:

In this modern era, day to day life became smarter and interlinked with technology. We already know some voice assistance like google, Siri. etc. Now in our voice assistance system, it can act as a basic medical prescriber, daily schedule reminder, note writer, calculator and a search tool. This project works on voice input and give output through voice and displays the text on the screen. The main agenda of our voice assistance makes people smart and give instant and computed results. Natural Language Processing algorithm helps computer machines to engage in communication using natural human language in many forms.

GUIDE SIGNATURE

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PROJECT COORDINATOR SIGNATURE

MADANAPALLE INSTITUTE OF TECHNOLOGY &SCIENCE (UG -AUTONOMUS)

PROJECT TITLE
FLOWER CLASSFICATION USING TRANSFER LEARNING

Abstract:

Deep learning technologies have been successful in many fields in recent years. Image classification problem is one of the areas where the use of the results is successful. The study draws attention to the use of pretrained models in problem solving. With the approach called transfer learning, frequently used pretrained deep learning models such as Alex net, Google net, VGG16, Dense Net and Res Net are used for image classification. The results show that the models used achieve acceptable performance rates while the highest performance is achieved with the VGG16 model. Our main aim of the project is to provide an ideal solution for identifying the different flowers with different names by using deep learning. Deep learning is a type of machine learning and artificial intelligence (AI) that imitates the way humans gain certain types of knowledge. Deep learning is an important element of data science, which includes statistics and predictive modelling. It is extremely beneficial to data scientists who are tasked with collecting, analyzing and interpreting large amounts of data; deep learning makes this process faster and easier.

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MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE (UG - AUTONOMUS)

PROJECT TITLE

Omicron Virus Prediction Using Machine Learning Techniques

Abstract:

The omicron epidemic has spread to more than 200 countries and considered as an unprecedent predict and forecast the epidemic situation in this paper we plan to use regression concepts such as simple linear regression, different algorithm techniques. In addition, in order to improve accuracy, this proper focused on the cumulative features. with employing the algorithm mentioned above, this paper tried to find out the model that fits the training data by calculating the mean square error (MSE)or coefficient of determination(R2) to evaluate the models. The data were divided into three temporal portions and fit into the model to make the result more accurate. what's more, for states data, they are divided into different categories and added with the time-lag matrix. the features are selected at the same time. we can use decision support system (c5.0, c4.5, ID3), random forest, linear regression algorithm in machine learning for predicting the omicron. The result demonstrates that the above algorithms give best outcome compared to the existing model and to predict the omicron epidemic. We can write code in python for predicting the omicron. with this simple machine learning algorithm, we can predict the omicron very easily.

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