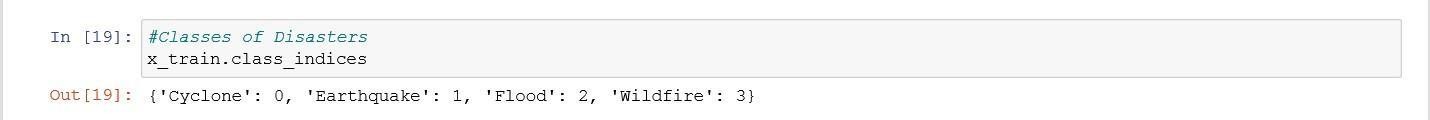
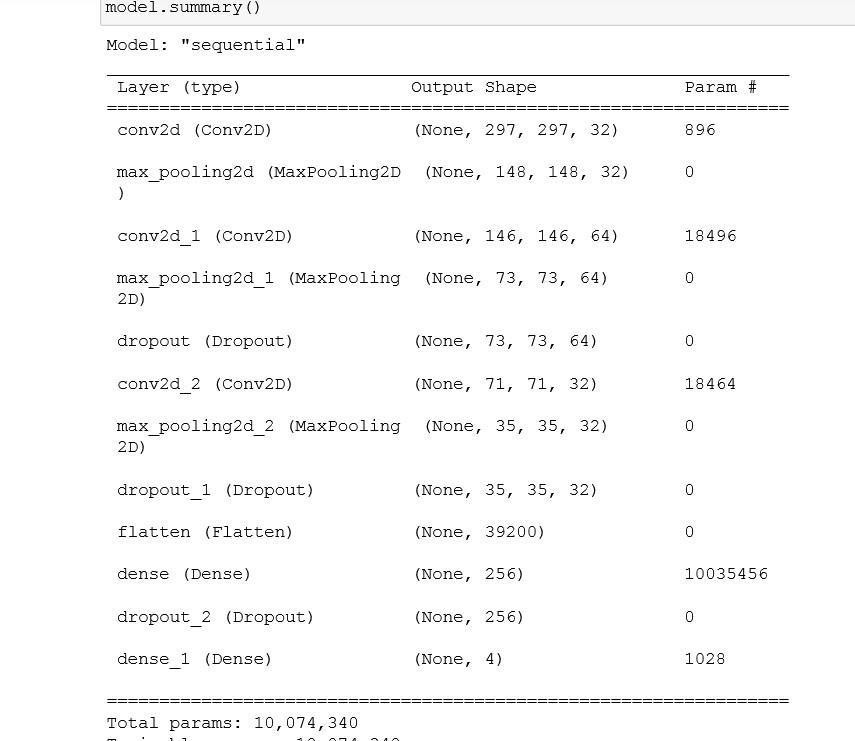
Project Development Phase Sprint - II

|  |  |
| --- | --- |
| **Date** | **12 November 2022** |
| **Team ID** | **PNT2022TMID46219** |
| **Project Name** | **Natural Disasters Intensity Analysis And Classification Using Artificial Intelligence** |
| **Maximum Marks** | **4 Marks** |

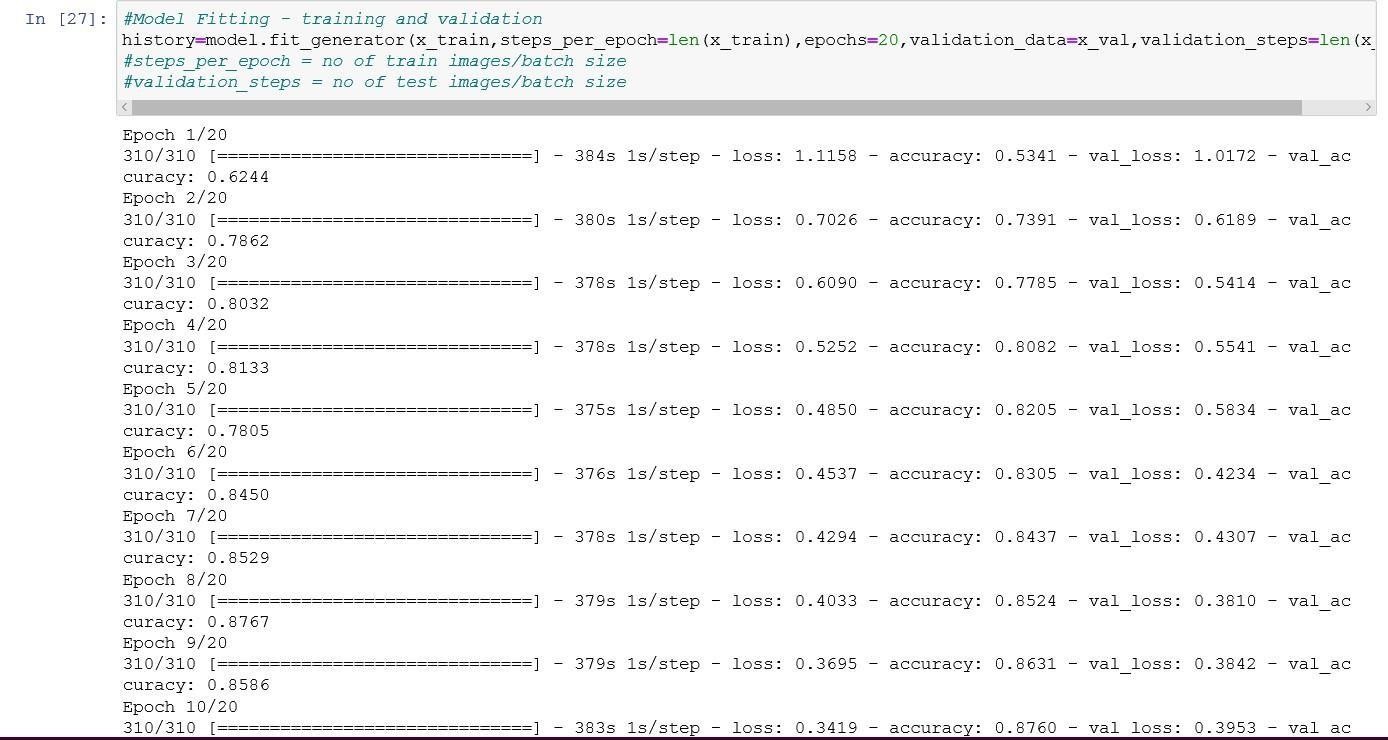
Building the CNN Model for Natural Disaster Classification, Training and Validating it, and Testing results

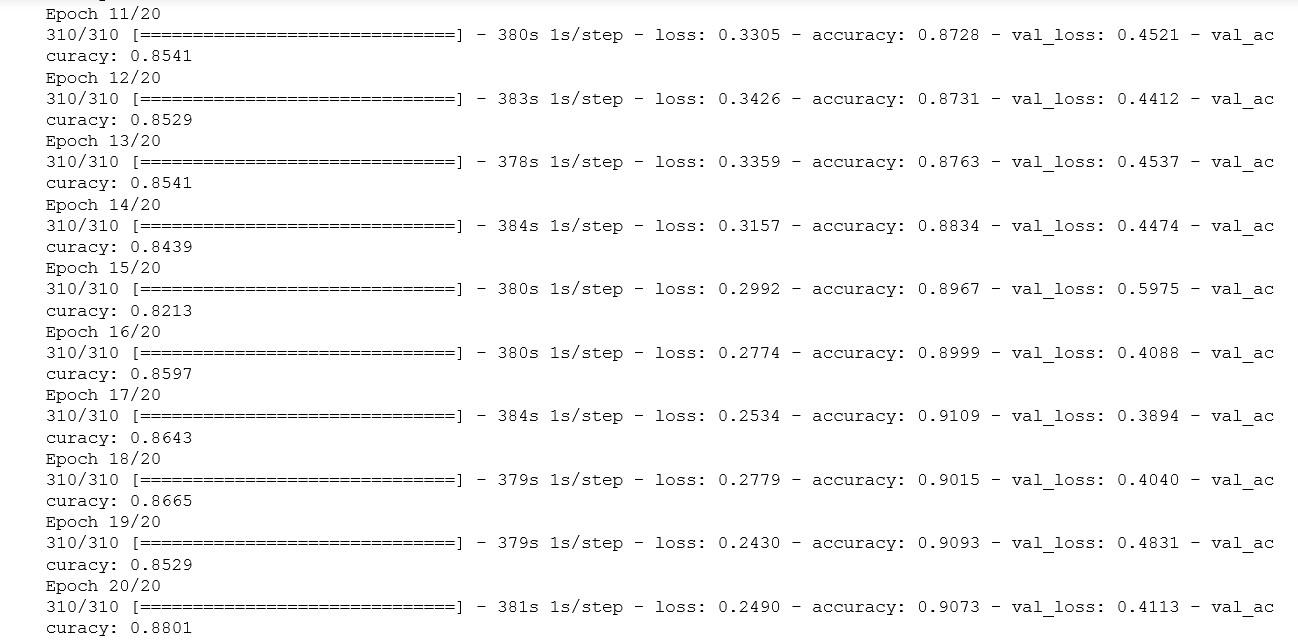
1. **Indexing Disaster Classes**
2. **Sample Plot for each of the Classes**
3. **CNN Model Architecture**

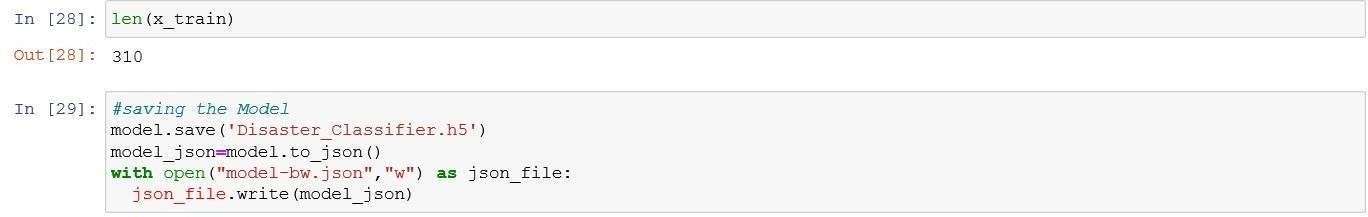


1. **Summary of the Model**
2. **Compiling the Model**

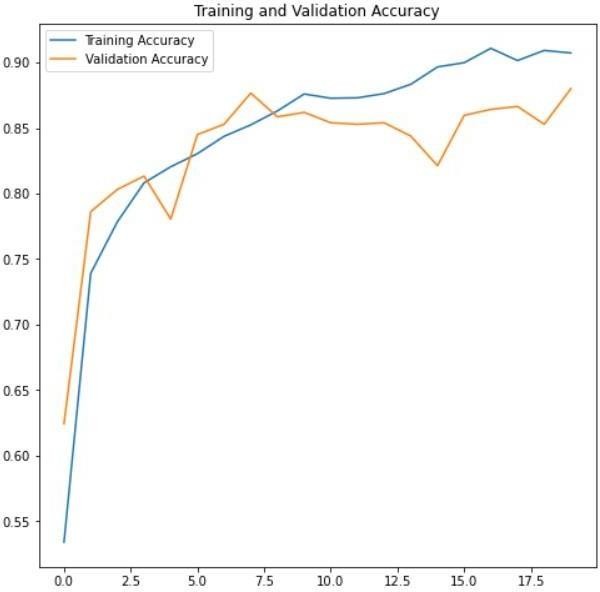


1. **Training and Validating the Model**

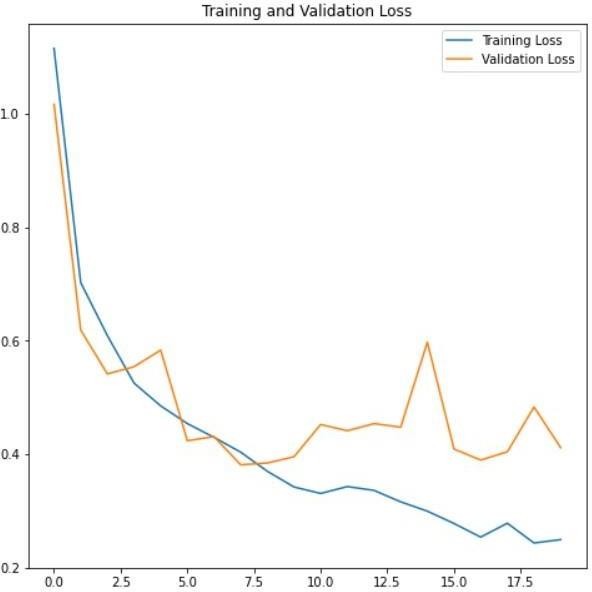


1. **Saving the Model as .h5 file and json file**
2. **Plots for training vs validation accuracies and losses**

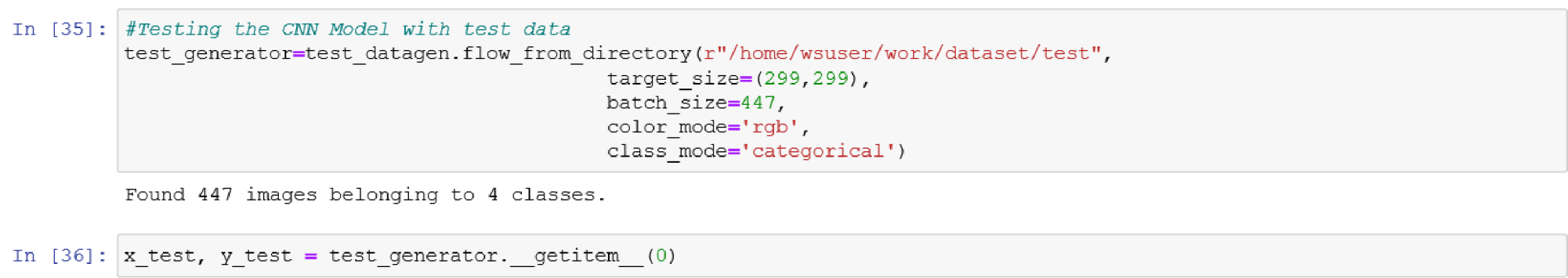




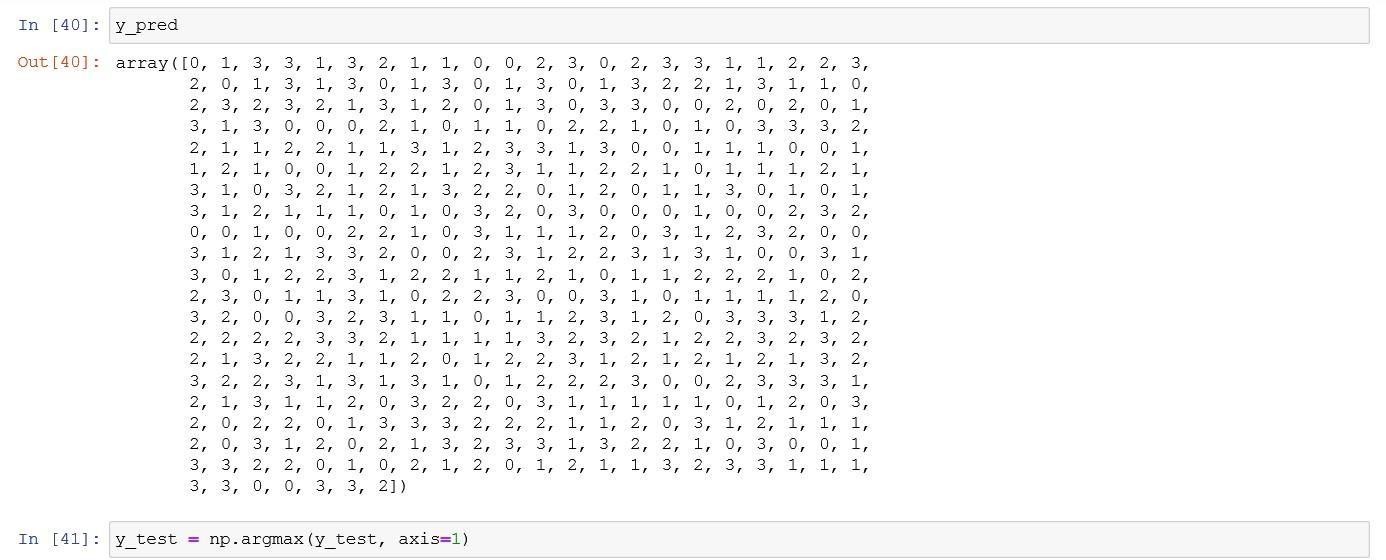


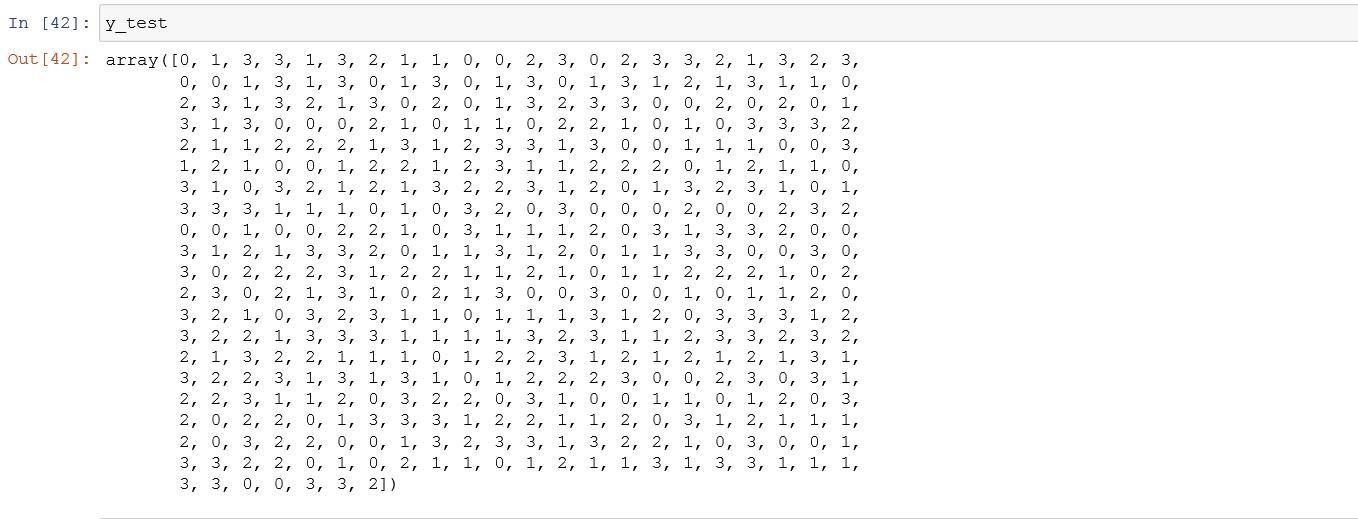


1. **Testing the CNN Model with test d**

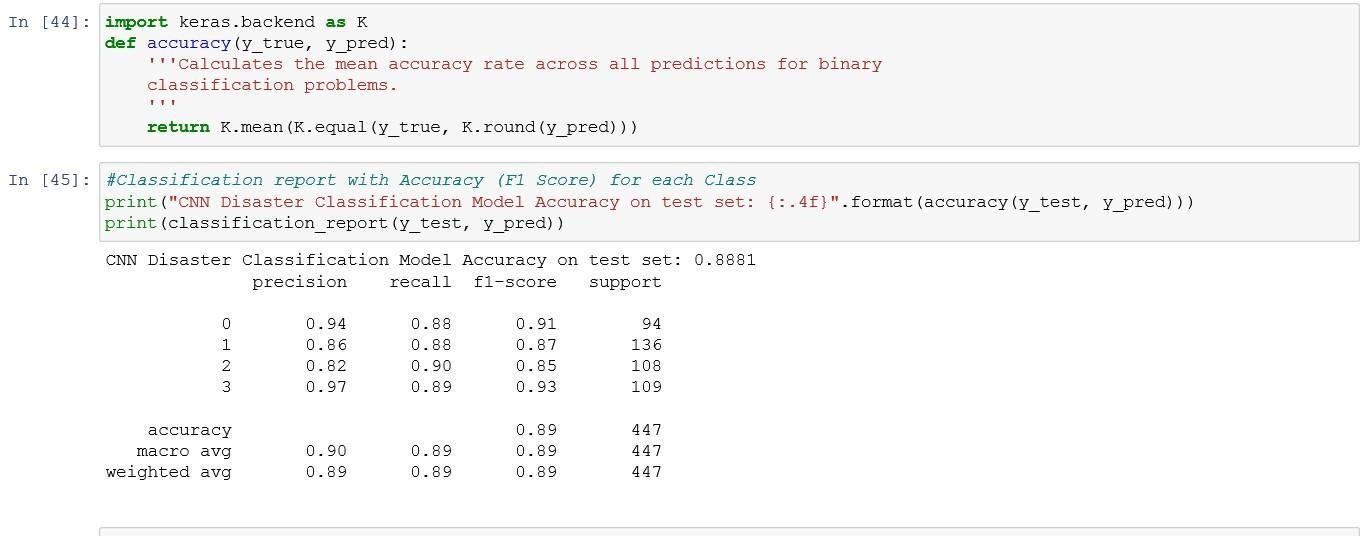


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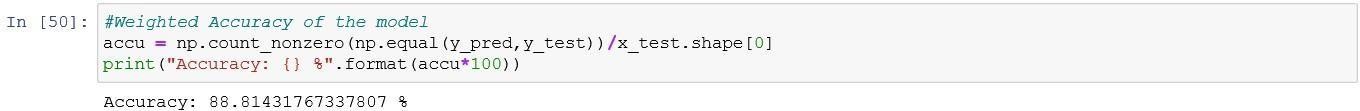




1. **Generating Classification Report with F1 Score**



1. **Weighted Accuracy of the model**



1. **Confusion Matrix for test data**

