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NN & DL - Assignment 3

**Video Link:**

<https://drive.google.com/file/d/11Qg7DQ3TRX3IEdSDhXVcBkpur5eQjFC_/view?usp=sharing>

GitHub Link: <https://github.com/Kalyansai6/Neural-Network-Assignment-III>

**Question 1:**

**Importing set of libraries, training and testing the data**

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***A screenshot of a computer

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**Fitting the data and evaluating the scores for accuracy**

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**Accuracy we got here is: 66.57%**

**Finding the performance change in the below code**

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**And compiling the model**

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**Fitting and evaluating the model.**

***A screenshot of a computer code

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**Output:**

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**Accuracy we got here is: 56.16%.**

**The performance of the model is likely to improve with the addition of more layers and higher number of feature maps, but it will also increase the complexity and the training time of the model. The new model architecture provided in the instruction includes several new layers and higher number of feature maps, which may improve the accuracy of the model.**

**Question 2:**

**Predicting the first 4 images of the test data**

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**Question 3:**

**Importing the libraries and plottinh the training and validation accuracy**

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**Output:**

**A graph of a number of numbers

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