Final Evaluation

We thank you for taking this course, in order to check your skills we've assigned some projects to all of you. The basic purpose of assigning these projects is to make you familiar with all the concepts which you've learned throughout the course.

Those who receive 100% marks in this evaluation, will receive

- *Recognition on **ThingsRoam Academy's** official website*
- *Appreciation letter from **ThingsRoam Academy's** owner*
- *Chance to work in **ThingsRoam**'s projects*
- *Course Certification*

Those who receive 80% marks in this evaluation, will receive

- *Recognition on **ThingsRoam Academy's** official website*
- *Chance to work in **ThingsRoam**'s projects*
- *Course Certification*

Those who only pass this project

- *Course Certification*

Submission Date: 6/march/2021 (Saturday)

<u>*Description*</u>

You have to prepare a CNN model for the given project and then you have to apply Transfer Learning and identify the difference between both the models.
(You can use your own data)

- *Using ImagDataGen is Compulsory*
- *Use Data augmentation if necessary*
- *Identify how you label the data*
- *Identify tuned parameters*

Val Accuracy → 90-95, Loss → > 0.2　= 100%

Val Accuracy →80-85, Loss → >0.4　　= 80%

Val Accuracy → 70-80%, Loss → > 0.5 = pass

Project # 1:
Fruits Detection
https://www.kaggle.com/moltean/fruits

- *Yaseera*
- *Saweira*

Project # 2:
Skin Disease Detection
https://dermnetnz.org/topics/patch-test-images/?stage=Live

- *Ateeq-ur-Rehman*
- *Osama*

Submission Date:　6/march/2021 (Saturday)

Project # 3:
Facial Expression Recognition

https://www.kaggle.com/jonathanoheix/face-expression-recognition-dataset

- *Laiba*
- *Samra*

Project # 4:
Flowers Recognition

https://www.kaggle.com/alxmamaev/flowers-recognition

- *Bisma*
- *Jehangir*

Project # 5:
Rock Paper Scissor

https://www.kaggle.com/drgfreeman/rockpaperscissors

- *Umar*
- *Ahmer*

Submission Date: 6/march/2021 (Saturday)

Project # 6:
Fruits Detection

[*https://www.kaggle.com/moltean/fruits*](https://www.kaggle.com/moltean/fruits)

- *Jawwad*

Submission Date: 6/march/2021 (Saturday)