

Followings are the information about the project:

1. Deadline: **04.02.22 (11:59 PM)** -> No submissions will be entertained after the deadline
2. You need to **upload two files** for each project -> (1. A Colab file, 2. Pickled model)
3. Certificate will **ONLY** be provided on the valid submission, i.e., in order to get the certificate(s), each candidate must have to submit their project before the deadline
4. Project should not be found copied either for internet or any other sources.
5. Copied projects from other candidate(s) will make the submission invalid and will be treated as disqualified.

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**Project 1:**        **Choose an appropriate model for the project to predict the customers who are eligible for the loan and also find out what are the missing criteria why other customers are not eligible for the loan and answer the following questions.**

**Dataset:** [https://drive.google.com/drive/folders/1-QOrDBpVvXWb\\_zAsaxZnalmvUQRA7yOb?usp=sharing](https://drive.google.com/drive/folders/1-QOrDBpVvXWb_zAsaxZnalmvUQRA7yOb?usp=sharing)

**Submission Link:** <https://forms.gle/gz2sY1S4bLbt4P1v7>

1. What's the ratio of Male to Female?
2. How many Males are married and non-married?
3. How many Females are married and non-married?
4. How many Males and Females are graduated and non-graduated with respect to their Marital status?
5. Which type of encoding will be required to perform on the "Education" column?
6. Is it a male or a female whose loan amount is the highest?
7. the specification and information about the applicant who has the highest income?
8. What all features are you going to consider for the model training and why? (Give the appropriate reason for choosing such features among others)
9. Which model are you going to choose and define the reason for going with the same model?
10. Have you performed the Hyper Parameter Tuning?
11. Compare the Actual results with the Predicted results
12. What's the accuracy of your model?
13. In order to improve the accuracy, what more approaches can be done?
14. What can you conclude with respect to the data?

**\*Perform Data Exploration, Data Cleaning, Data Manipulation, Data Visualisation, Feature Engineering, Feature Scaling, Feature Selection, etc.**

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**Project 2:**        **Build a neural network that can take an input of an image and returns the output to tell whether the image belongs to the following categories - Daisy, Dandelion, Rose, Sunflower or Tulip**

**Dataset:** [https://drive.google.com/drive/folders/180ihV2TuLXwsMwvbktJr-wDCgfkYGQH\\_?usp=sharing](https://drive.google.com/drive/folders/180ihV2TuLXwsMwvbktJr-wDCgfkYGQH_?usp=sharing)

**Submission Link:** <https://forms.gle/hnkoMvZBoWERSseU9>

**\*Don't forget to mention the accuracy with the appropriate evaluation metrics for the both projects.**