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| Project Name: Car Price Prediction using ANN | |
| Project description: | This project is about predicting customers’ budget based on their background such as salary, debt, net worth and so on. This model will predict roughly the amount the customer could spend without breaking their budget. |
| Project objectives: | 1. To predict customers’ budget for purchasing a car based on their background and their economic state. 2. To help salespeople and dealers to predict customers’ budget when they want to buy a car. 3. To assist banks to estimate the amount of car loan to approve for specific customer wants to purchase a car. |
| Project participants: | Muhammad Zulhisyam Naqib bin Mahurin (Project Manager)  Akid Iskandar bin Shamsuddin (QA engineer)  Mohamad Syafiq Syazwan bin Mohamad Salim (Developer)  Aravind A/L Supramaniam (Developer) |
| Available resources: | Laptop(Intel i5, 10th gen, 16 gb ram, Intel iris graphics)  Pycharm, Jupyter notebook |
| Milestones: | 1. Data collection 2. Data Preprocessing 3. Feature engineering(Feature Engineering) 4. Train/Test split 5. Neural Network ANN implementation 6. ANN architecture optimization 7. Model testing 8. Model validation 9. Model deployment |
| Potential risks: | 1. The model might be trained with a lot of training data which will result in overfitting. 2. The team might have lack of time due to the limited resources available as ANN is quite heavy for basic laptop. |
| Approval: | Project Manager : Muhammad Zulhisyam Naqib bin Mahurin  Signature :  Date : 22/11/2023 |

Project Charter