

Assignment

The objective of this assignment is to train a machine learning model that can accurately **classify** various product and brand names from input images. The model should be capable of identifying the following brands: **Saslic, 8X shampoo, WoW skincare, Head & Shoulder, P&G, Dove, L'Oreal, and Mamaearth**. Sample product images have been provided for three of the brands, namely Saslic, 8X shampoo, and WoW skincare. However, the data sets for the remaining five brands must be collected manually by the candidate. These data sets should consist of various product images for each brand.

The machine learning model can be built from scratch or existing models, libraries, or APIs can be used as well. The main focus should be on accurately classifying the input product image into the correct label. Candidates who submit their work before the deadline will receive an extra advantage in the evaluation process. Even if the code is incorrect or incomplete, the approach and effort put into solving the problem will still be evaluated.

The submission deadline for this project is **9 pm on 25th February 2023**. It is important to note that collecting a sufficient and diverse dataset is crucial to building an effective machine learning model. Additionally, it is important to ensure that the data is properly labeled and pre-processed before training the model. The performance of the model should also be evaluated on a test set to ensure that it generalizes well to new, unseen data.