**METHODOLOGY OF HANDCRAFTED IMAGE CLASSIFICATION**

**Methodology**

**Project Flow:-**

1. Installing & Importing required libraries .
2. Dataset loading using Opencv(loading 500 image from each classes).
3. Data Preprocessing:- Labeling data, Image Resizing using opencv , LabelBinarizer(categorical values to number) etc.
4. EDA(Data Visualization)
5. Splitting data into train, test, validation with ratio of 80:10:10.
6. Model Training.
7. Model evaluation.
8. GUI (Web Application using Flask)

**Deep Learning Model:-**

1. EFFICIENTNET-B2

**List of Model Evaluation:-**

1. CLASSIFICATION REPORT
2. CONFUSION MATRIX