HCMC UNIVERSITY OF TECHNOLOGY AND EDUCATION
FACULTY FOR HIGH QUALITY TRAINING

RECOGNITION FLOWER BY USING CNN

INTRODUCTION

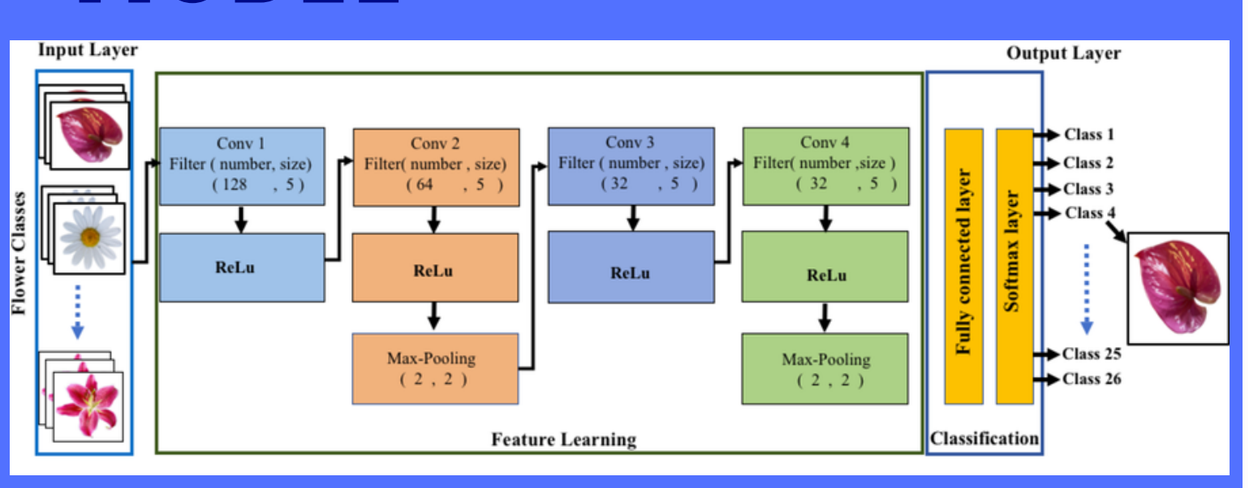
The flower recognition model employs a convolutional neural network (CNN) to analyze image features, thereby making predictions about the flower species depicted. Leveraging its inherent simplicity and flexibility, this model proves highly advantageous in the realm of artificial intelligence research and learning.

FLOWER SPECIES

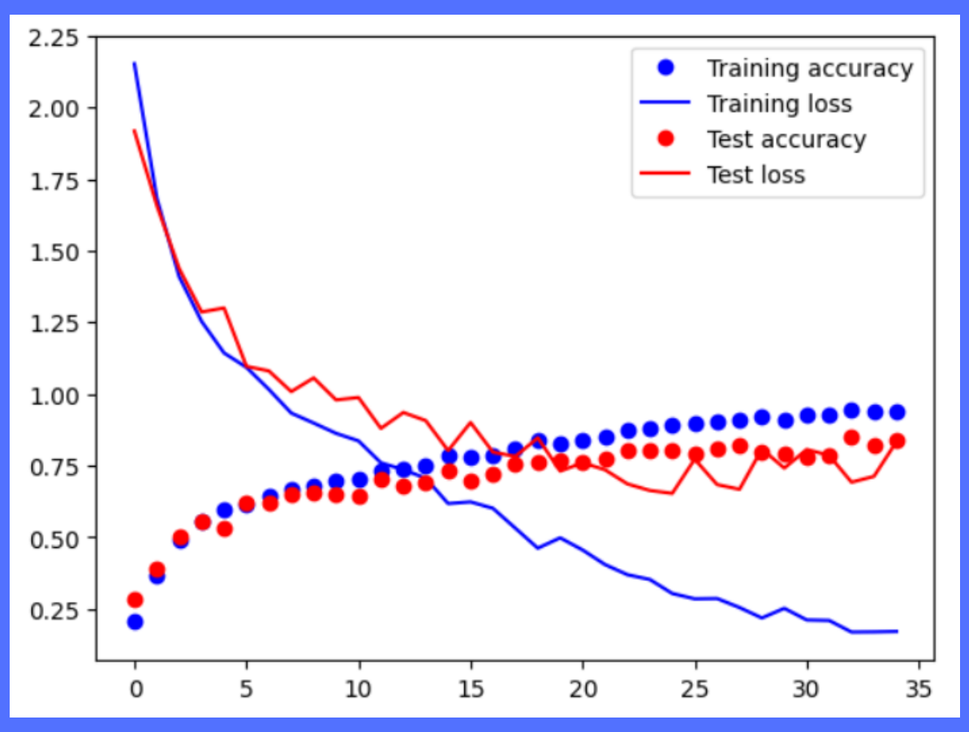
METHODOLOGY

Step 1: Determining the flower species, gather data, preprocess the data, and split it into training and testing datasets.
Step 2: Construct a CNN model and train the model on the training dataset.
Step 3: Validate the model using the test dataset

EXAMPLE METHOD OF MODEL



THE TRAINING PROCESS



RESULT

Following the model training, notable results were attained, demonstrating its efficacy in flower classification. The model exhibited a commendable training accuracy of 91% and a substantial testing accuracy of 82.3%, showcasing its proficiency in accurately identifying different flower types.

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Student: BUI CHI CUONG
Student ID: 20146167
Lecturer: Ph.D NGUYEN TRUONG THINH
Contact to Github: https://github.com/BuiChiCuongs