

Model Building

Project Name	Emerging Methods for Early Detection of Forest Fires
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8a: Importing the Model Building Libraries:

```
#import required libraries
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
from tensorflow.keras.preprocessing.image import ImageDataGenerator
from tensorflow.keras.models import Sequential
from tensorflow.keras.layers import Conv2D, MaxPool2D, Flatten, Dense, Dropout
from tensorflow.keras.callbacks import EarlyStopping, ReduceLROnPlateau
from tensorflow.keras.models import load_model
from tensorflow.keras.preprocessing import image
import warnings
warnings.filterwarnings("ignore")
```