**PYTHON CODE FOR FINDING MEAN AND ACCURACY**

# Import necessary libraries

import pandas as pd

from sklearn.model\_selection import train\_test\_split

from sklearn.ensemble import RandomForestRegressor

from sklearn.metrics import mean\_squared\_error, r2\_score

# Load your dataset (replace 'your\_dataset.csv' with the actual filename)

data = pd.read\_csv('wind.csv')

# Assuming 'features' contains the independent variables and 'target' contains the dependent variable

features = data[['Turbine.Capacity', 'Turbine.Hub\_Height', 'Turbine.Rotor\_Diameter']] # Update with your actual feature columns

target = data['Turbine.Total\_Height'] # Update with your actual target column

# Split the data into training and testing sets

X\_train, X\_test, y\_train, y\_test = train\_test\_split(features, target, test\_size=0.2, random\_state=42)

# Create and train the Random Forest model

rf\_model = RandomForestRegressor(random\_state=42)

rf\_model.fit(X\_train, y\_train)

# Make predictions on the test set

y\_pred = rf\_model.predict(X\_test)

# Evaluate the model

mse = mean\_squared\_error(y\_test, y\_pred)

r2 = r2\_score(y\_test, y\_pred)

print(f'Mean Squared Error: {mse}')

print(f'R-squared Score: {r2}')

Note : This was developed by me with help of my Python course faculty.