```python
import pandas as pd
import numpy as np
from sklearn.preprocessing import MinMaxScaler
from keras.models import Sequential
from keras.layers import Dense, LSTM
import matplotlib.pyplot as plt

# Load dataset
data = pd.read_csv('dataset.csv')
data = data['Close'].values.reshape(-1, 1)

# Normalize the data
scaler = MinMaxScaler()
data = scaler.fit_transform(data)

# Prepare data
X, y = [], []
for i in range(60, len(data)):
    X.append(data[i-60:i, 0])
    y.append(data[i, 0])
X, y = np.array(X), np.array(y)
X = np.reshape(X, (X.shape[0], X.shape[1], 1))

# Build the LSTM model
model = Sequential()
model.add(LSTM(units=50, return_sequences=True, input_shape=(X.shape[1], 1)))
model.add(LSTM(units=50))
model.add(Dense(1))
model.compile(optimizer='adam', loss='mean_squared_error')
model.fit(X, y, epochs=5, batch_size=32)

# Predictions
predicted = model.predict(X)
predicted = scaler.inverse_transform(predicted)

# Plot
plt.plot(scaler.inverse_transform(data[60:]))
plt.plot(predicted)
plt.title('Stock Price Prediction')
plt.xlabel('Time')
plt.ylabel('Price')
plt.legend(['Actual', 'Predicted'])
plt.savefig('output.png')
```