```
import pandas as pd
import matplotlib.pyplot as plt
from statsmodels.tsa.arima.model import ARIMA
```

```
# Load dataset
file_path = 'HP.csv'
data = pd.read_csv(file_path, header=0, names=['Sales'])  # Assuming the column name is 'Sales'
```

```
# Visualize the time series data
plt.figure(figsize=(12, 6))
plt.plot(data)
plt.title('Monthly Sales Over Time')
plt.xlabel('Month')
plt.ylabel('Sales')
plt.show()
```

```
# Fit ARIMA model
order = (5, 1, 2)  # You need to specify values for p, d, and q based on your data
model = ARIMA(data, order=order)
results = model.fit()
```

```
# Forecast the next 12 months (3 years)
forecast_steps = 12
forecast = results.get_forecast(steps=forecast_steps)
forecast_values = forecast.predicted_mean
```

```
# Generate index for the forecast
last_month = data.index[-1]
forecast_index = pd.date_range(last_month, periods=forecast_steps + 1, freq='M')[1:]  # Adjust the frequency as needed
```

```
# Visualize the forecast
plt.figure(figsize=(12, 6))
plt.plot(data, label='Historical Data')
plt.plot(forecast_index, forecast_values, color='red', label='Forecast')
plt.title('ARIMA Forecast for Monthly Sales')
plt.xlabel('Month')
plt.ylabel('Sales')
plt.legend()
plt.show()
```