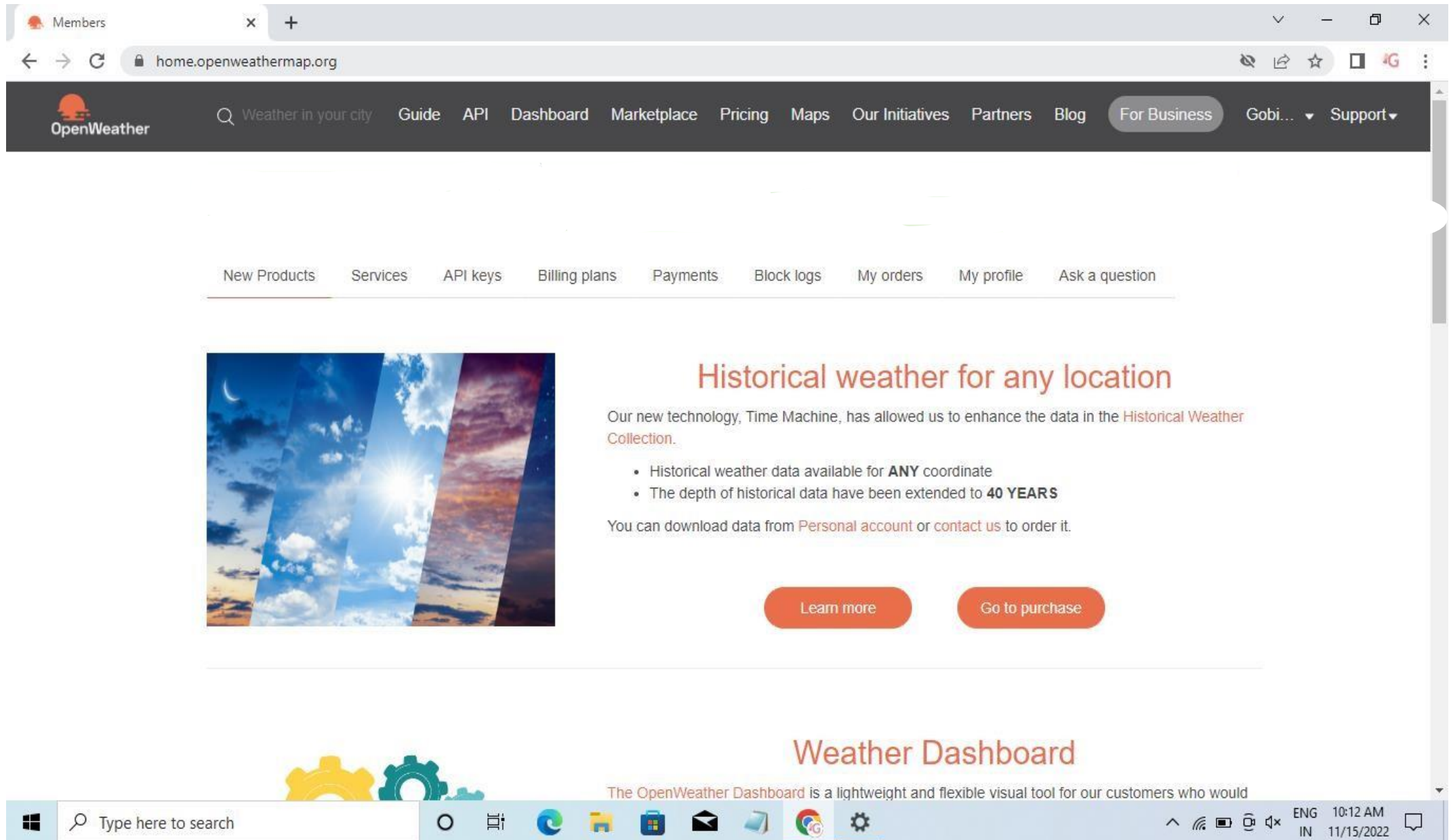


PROJECT DEVELOPMENT – DELIVERY OF SPRINT – 1

Date	24 October 2022
Team ID	PNT2022TMID25683
Project Title	Signs With Smart Connectivity for Better Road Safety

SPRINT-1 (USN - 1) : CREATE AND INITIALISE ACCOUNTS IN OPEN WEATHER API

STEP 1 : Create an account in OpenWeatherMap.org to find the weather data in any location



The screenshot shows the OpenWeatherMap.org website. The browser's address bar displays 'home.openweathermap.org'. The website's navigation bar includes links for 'Weather in your city', 'Guide', 'API', 'Dashboard', 'Marketplace', 'Pricing', 'Maps', 'Our Initiatives', 'Partners', 'Blog', 'For Business', 'Gobi...', and 'Support'. Below the navigation bar, there is a horizontal menu with links for 'New Products', 'Services', 'API keys', 'Billing plans', 'Payments', 'Block logs', 'My orders', 'My profile', and 'Ask a question'. The main content area features a large image of a sky with clouds and a sun. To the right of the image, the heading 'Historical weather for any location' is displayed. Below the heading, a paragraph states: 'Our new technology, Time Machine, has allowed us to enhance the data in the [Historical Weather Collection](#).' This is followed by a bulleted list: '• Historical weather data available for **ANY** coordinate' and '• The depth of historical data have been extended to **40 YEARS**'. Below the list, a paragraph says: 'You can download data from [Personal account](#) or [contact us](#) to order it.' At the bottom of this section, there are two orange buttons: 'Learn more' and 'Go to purchase'. Below this section, the heading 'Weather Dashboard' is visible, followed by a paragraph: 'The OpenWeather Dashboard is a lightweight and flexible visual tool for our customers who would'. The Windows taskbar at the bottom shows the search bar, task view button, and several application icons, including Edge, File Explorer, and the OpenWeatherMap application. The system tray on the right shows the date and time as '11/15/2022 10:12 AM'.

Members

home.openweathermap.org

OpenWeather

Weather in your city Guide API Dashboard Marketplace Pricing Maps Our Initiatives Partners Blog For Business Gobi... Support

New Products Services API keys Billing plans Payments Block logs My orders My profile Ask a question

Historical weather for any location

Our new technology, Time Machine, has allowed us to enhance the data in the [Historical Weather Collection](#).

- Historical weather data available for **ANY** coordinate
- The depth of historical data have been extended to **40 YEARS**

You can download data from [Personal account](#) or [contact us](#) to order it.

Learn more Go to purchase

Weather Dashboard

The OpenWeather Dashboard is a lightweight and flexible visual tool for our customers who would

STEP 2: Generate API key for the subscription

Members

x

Members

x

New Tab

x

+

home.openweathermap.org/api_keys

OpenWeather

Weather in your city

Guide

API

Dashboard

Marketplace

Pricing

Maps

Our Initiatives

Partners

Blog

For Business

Gobi... ▾

Support ▾

New Products

Services

API keys

Billing plans

Payments

Block logs

My orders

My profile

Ask a question

You can generate as many API keys as needed for your subscription. We accumulate the total load from all of them.

Key	Name	Status	Actions
ad0691d1ba632503dc2d3aab0af69a44	Default	Active	<div><div></div><div></div></div>

Create key

API key name

Generate

Product Collections

Current and Forecast APIs

Historical Weather Data

Weather Maps

Weather Dashboard

Subscription

How to start

Pricing

Subscribe for free

FAQ

Company

OpenWeather is a team of IT experts and data scientists that has been practising deep weather data science since 2014. For each point on the globe, OpenWeather provides historical, current and forecasted weather data via light-speed APIs. Headquarters in

STEP 3: The weather data for the location is displayed using openweathermap API.

The screenshot shows a web browser window with the URL `https://api.openweathermap.org/data/2.5/weather?q=Mayiladuthurai,IN&appid=ad0691d1ba632503dc2d3aab0af69a44`. The response is a JSON object containing weather data for Mayiladuthurai, India.

```
{
  "coord": {
    "lon": 79.6667,
    "lat": 11.1
  },
  "weather": [
    {
      "id": 804,
      "main": "Clouds",
      "description": "overcast clouds",
      "icon": "04d"
    }
  ],
  "base": "stations",
  "main": {
    "temp": 301.48,
    "feels_like": 304.47,
    "temp_min": 301.48,
    "temp_max": 301.48,
    "pressure": 1013,
    "humidity": 70,
    "sea_level": 1013,
    "grnd_level": 1012,
    "visibility": 10000,
    "wind": {
      "speed": 3.91,
      "deg": 12,
      "gust": 4.53
    },
    "clouds": {
      "all": 100
    },
    "dt": 1668493679,
    "sys": {
      "country": "IN",
      "sunrise": 1668472643,
      "sunset": 1668514474
    },
    "timezone": 19800,
    "id": 1263247,
    "name": "Mayiladuthurai",
    "cod": 200
  }
}
```

The Windows taskbar at the bottom shows the search bar with the text "Type here to search" and various application icons. The system tray on the right indicates the language is ENG IN, the time is 12:03 PM, and the date is 11/15/2022.