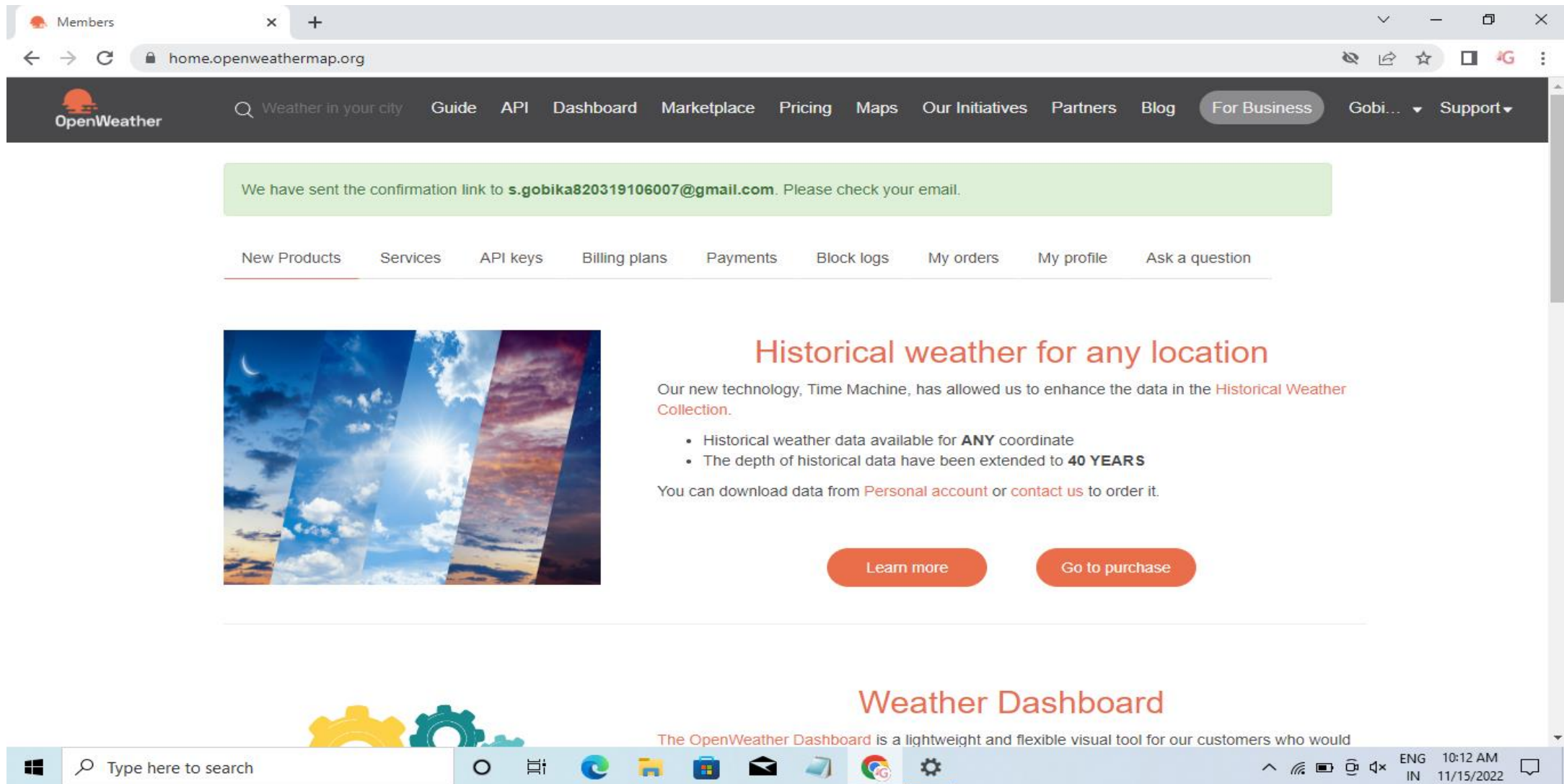


## **PROJECT DEVELOPMENT – DELIVERY OF SPRINT – 1**

|                      |   |
|----------------------|---|
| <b>Date</b>          | <b>24 October 2022</b>                                      |
| <b>Team ID</b>       | <b>PNT2022TMID46406</b>                                     |
| <b>Project Title</b> | <b>Signs With Smart Connectivity for Better Road Safety</b> |

**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 a web browser window with the OpenWeatherMap.org homepage. 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'. A green confirmation banner at the top states: 'We have sent the confirmation link to s.gobika820319106007@gmail.com. Please check your email.' Below this, a horizontal menu lists '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 a sun and clouds, and a section titled 'Historical weather for any location'. This section describes the 'Time Machine' technology and lists two bullet points: 'Historical weather data available for ANY coordinate' and 'The depth of historical data have been extended to 40 YEARS'. It also mentions that data can be downloaded from a 'Personal account' or by 'contact us'. Two orange buttons, 'Learn more' and 'Go to purchase', are positioned below the text. At the bottom, a 'Weather Dashboard' section is partially visible, with the text 'The OpenWeather Dashboard is a lightweight and flexible visual tool for our customers who would'.

Members

home.openweathermap.org

OpenWeather

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

We have sent the confirmation link to s.gobika820319106007@gmail.com. Please check your email.

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

Members

New Tab

home.openweathermap.org/api\_keys

Weather in your city

Guide

API

Dashboard

Marketplace

Pricing

Maps

Our Initiatives

Partners

Blog

For Business

Gobi...

Support

We have sent the confirmation link to **s.gobika820319106007@gmail.com**. Please check your email.

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 |         |

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

Type here to search

ENG 10:57 AM  
IN 11/15/2022

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 browser's address bar and tabs are visible at the top. Below the browser window, the JSON response from the API is displayed as a code block. The response contains weather data for Mayiladuthurai, India, including coordinates, temperature, humidity, wind speed, and cloud cover.

```
{
  "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
}
```

At the bottom of the image, the Windows taskbar is visible, showing the search bar, taskbar icons, and system tray with the date and time (11/15/2022, 12:03 PM).