

# INDUSTRY-SPECIFIC INTELLIGENT FIRE MANAGEMENT SYSTEM

TEAM ID:PNT2022TMID45189

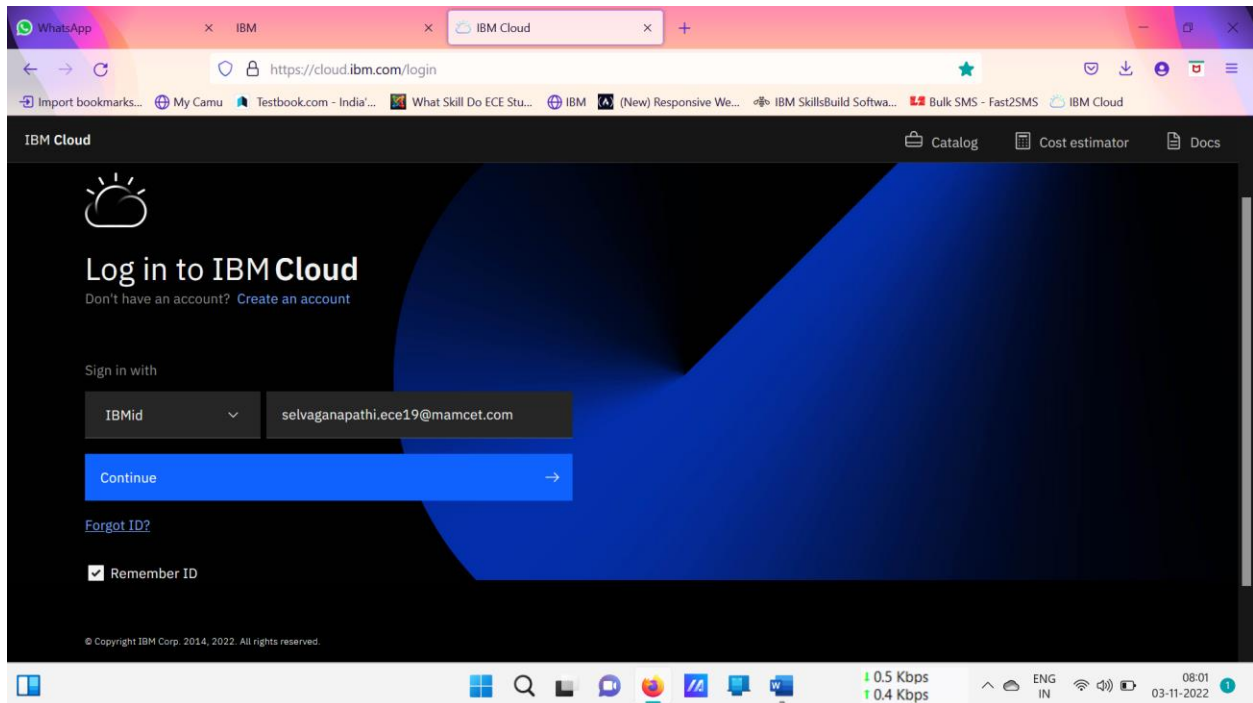
## Prerequisites

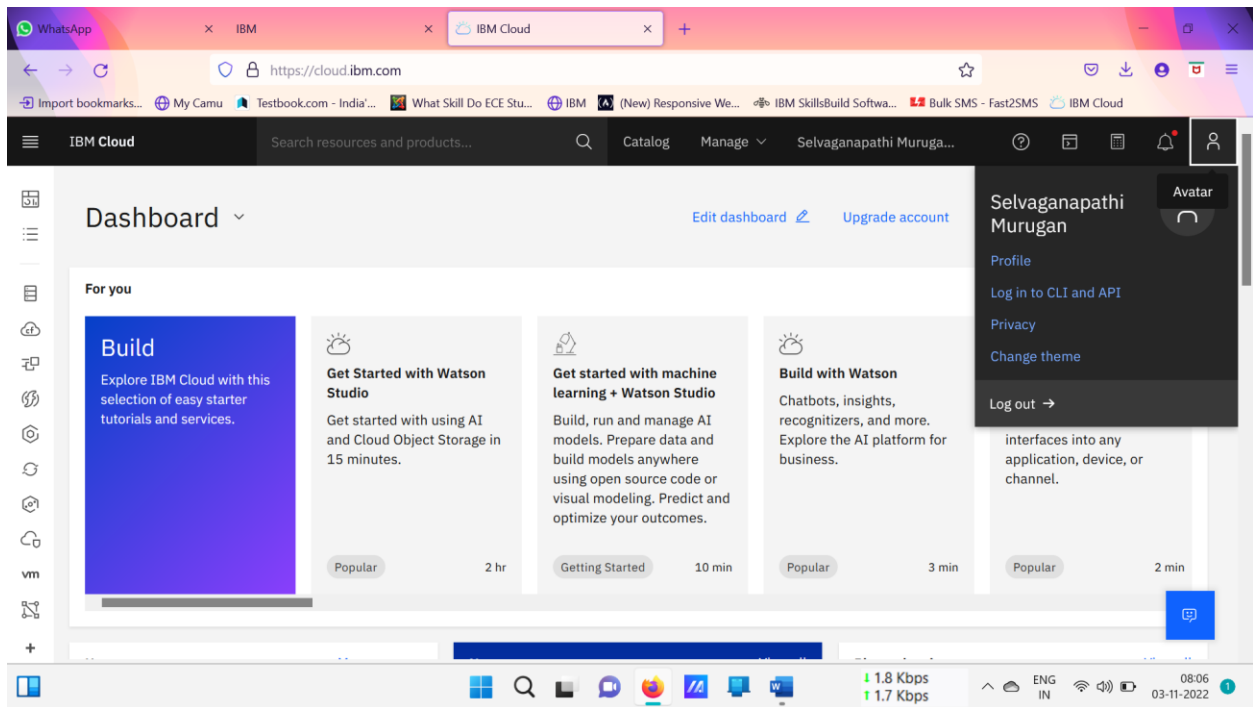
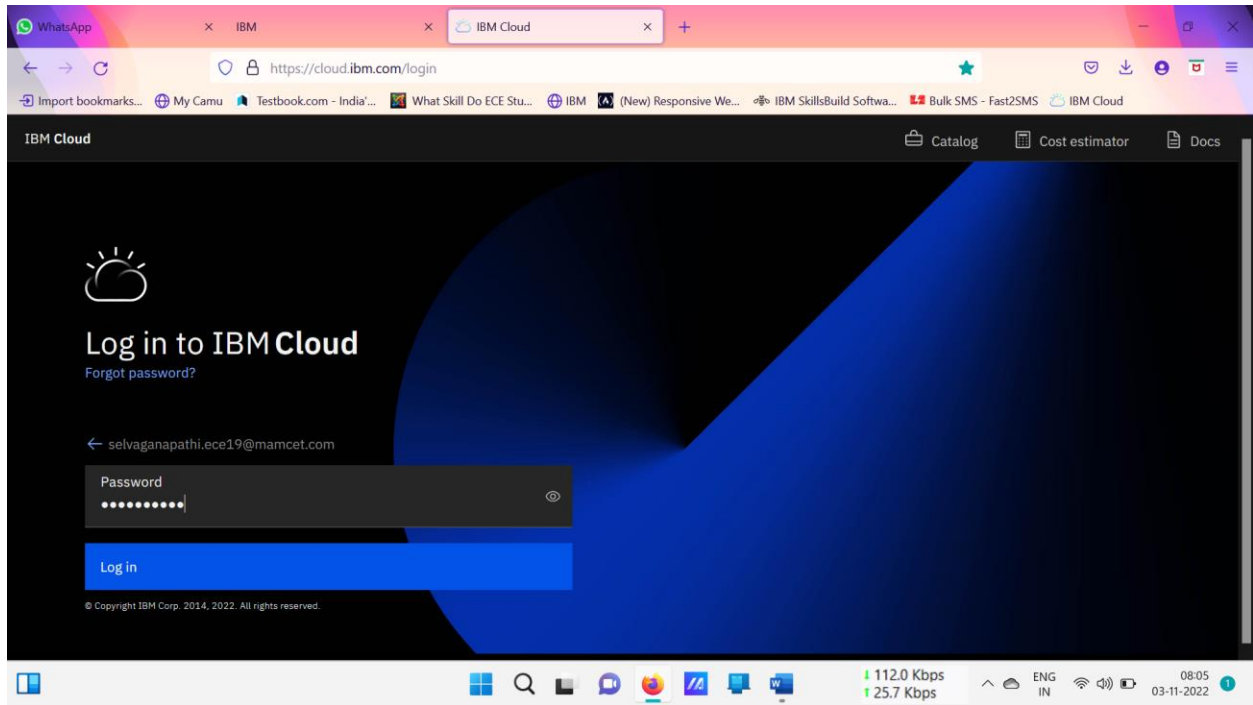
We need to have basic knowledge of the following cloud services:

- ❖ IBM Watson IoT Platform
- ❖ Node-RED Service
- ❖ Cloudant DB

## IBM Account Creation:

In this we create a account with the register code / promo code using the given mail id at the IBM cloud platform, then login





## **IBM Cloud Services:**

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- ❖ Node-RED Service

### **IBM Watson IoT Platform:**

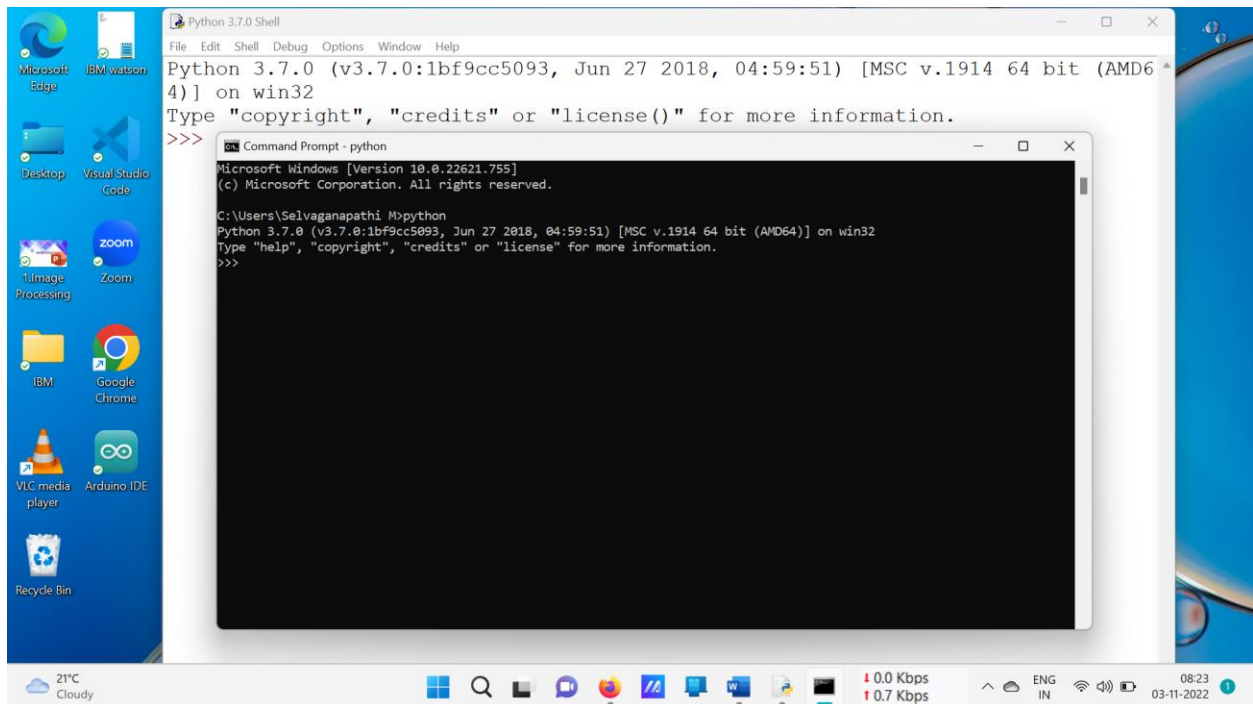
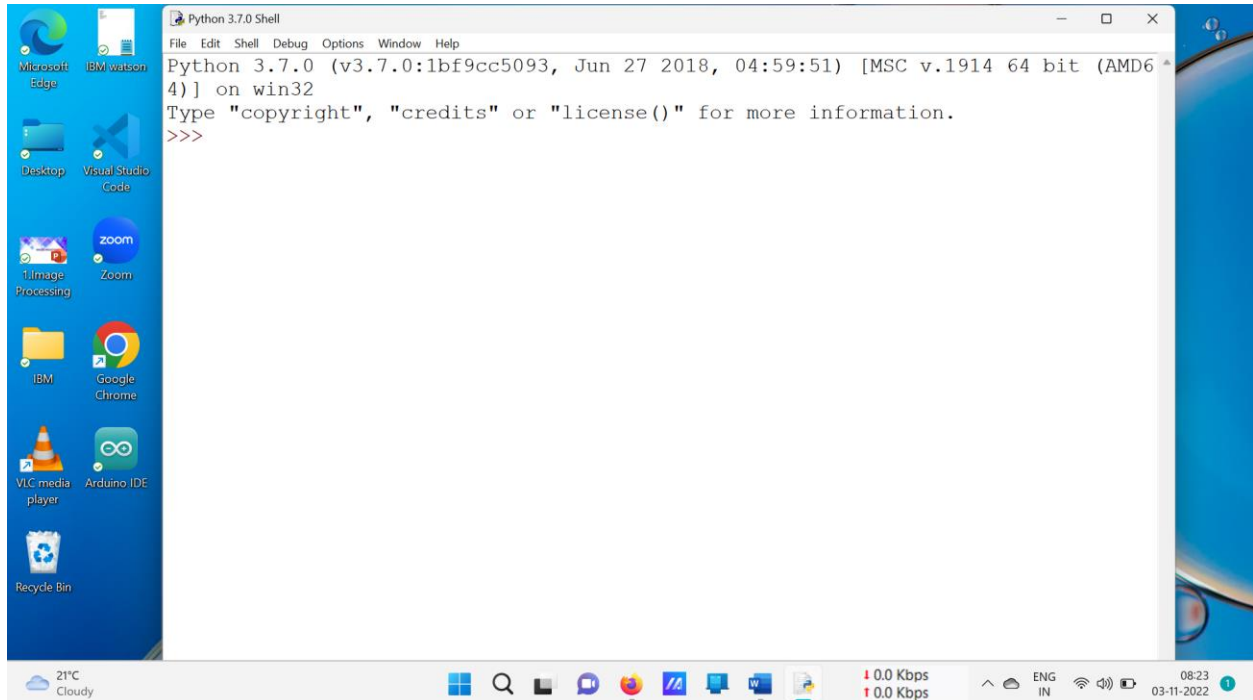
IBM Watson IoT Platform is a cloud-hosted service that makes it simple to derive value from Internet of Things (IoT) devices. Also a fully managed, cloud-hosted service with capabilities for device registration, connectivity, control, rapid visualization and data storage.

### **Node-RED Service**

Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways.

# Software

## Install the Python IDE



Create a fast SMS service for sending the messages and getting the API

The screenshot displays the Fast2SMS web dashboard. At the top, the browser's address bar shows the URL <https://www.fast2sms.com/dashboard/sms/bulk>. The dashboard header includes the Fast2SMS logo, account information, the current time (08:25:45 AM), and a user profile dropdown for 'Selvaganap...'. On the left, a sidebar menu lists various services: Bulk SMS, DLT SMS, Quick SMS, Address Book, Delivery Reports, Transactions, Dev API, Settings, and Help. The main content area is divided into two sections. The left section, titled 'PROMOTIONAL', contains a form for sending bulk SMS. It includes a 'Sender ID' field with 'FastSM', a 'Mobile Number' field with '+91', and a 'Message' field with the text 'Dearuseryourotp:'. Below the message field, it indicates '35 / 1 SMS'. The right section, titled 'FEATURES', lists several benefits for marketing and promotional SMS, such as 'No DLT Registration Required', 'Only for Non DND numbers', 'SMS Delivery After Approval', 'Send SMS from 10 AM - 9 PM', and 'Personal SMS not allowed'. The bottom of the dashboard shows a status bar with weather information (21°C Cloudy), system icons, and network status (0.0 Kbps).