

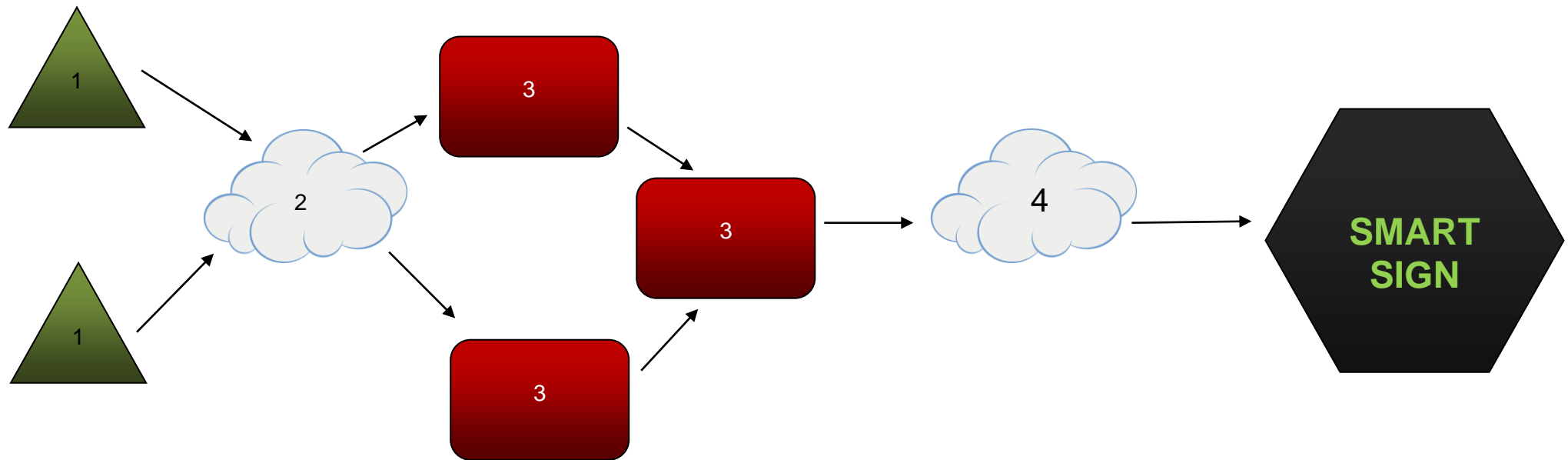
Project Design Phase-II
Data Flow Diagram & User Stories

Date	05 TH NOVEMBER 2022
Team ID	PNT2022TMID52636
Project Name	Project - Signs with Smart Connectivity for Better Road Safety
Maximum Marks	4 Marks

User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Web user)	Data generation	USN-1	Use of OpenWeather map.	Weather related Information.	High	Sprint-1
		USN-2	Use of Node-Red.	To connect devices.	High	Sprint-2
Data validation	Checking accuracy	USN-3	As a user, I can check the ability and accuracy of the model in obtaining the required information.	Check the capability of the model.	High	Sprint-2
Data extraction	Obtaining the data	USN-4	As a user, I can retrieve the result data from the application for data storage for further uses.	Download the result in the form of data.	High	Sprint-3
Administrator	Problem Solving	USN-5	Future updating and monitoring.	Can monitor sign board.	Medium	Sprint-2

DATA FLOW DIAGRAMs



1: IOT recorded values, Open weather API values.

2: Values uploaded to IBM Cloud.

3: Values are taken from Cloud and functions are made in Node Red.

4: The processed values are uploaded again to IBM Cloud.

5: the information is taken from the cloud and displayed on the Smart Sign.