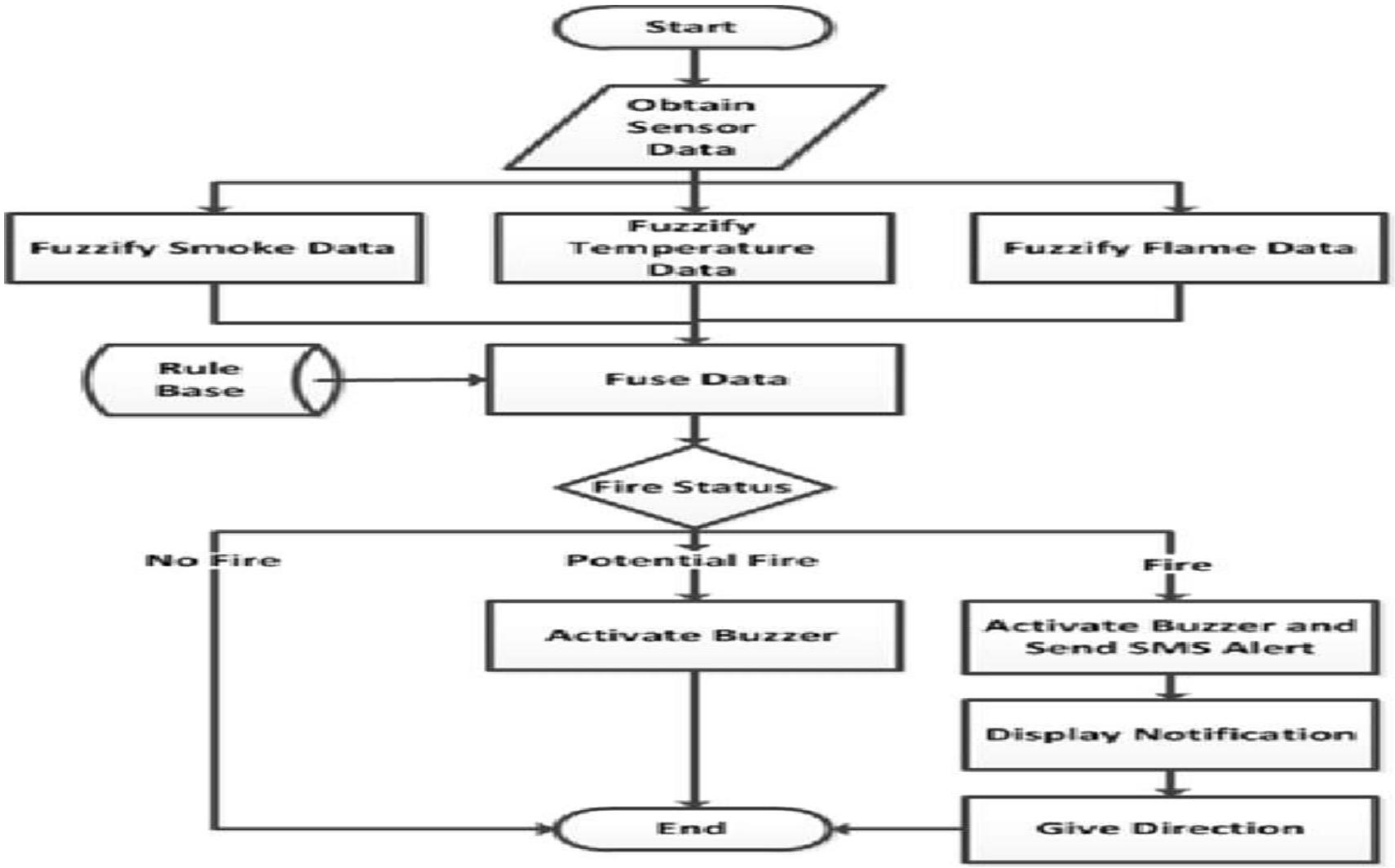
Project Design Phase-II
Data Flow Diagram & User Stories

Date	22 October 2022
Team ID	PNT2022TMID27778
Project Name	Emerging Methods for Early Detection of Forest Fires
Maximum Marks	4 Marks

Data Flow Diagrams:

The traditional visual representation of how information moves through a system is a data flow diagram (DFD). A tidy and understandable DFD can graphically represent the appropriate amount of the system requirement. It demonstrates how information enters and exits the system, what modifies the data, and where information is kept.

Example:


Start
Obtain Sensor Data
Fuzzify Smoke Data
Fuzzify Temperature Data
Fuzzify Flame Data
Rule Base
Fuse Data
Fire Status
No Fire
Potential Fire
Fire
Activate Buzzer
Activate Buzzer and Send SMS Alert
Display Notification
Give Direction
End

User stories:

Use the below template to list all the user stories for the product

User Type	Functioal Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Environmentalist	Collect the data	USN-1	It is necessary for an animal rights activist to gather information about forest fires.	We must collect the correct data.because of prediction.	High	Sprint-1
		USN-2	Determine which algorithms can be used for prediction.	To gather the algorithm and used the algorithm accuracy	Medium	Sprint-2
	Implement Algorithm	USN-3	Determine each algorithm's accuracy.	Accuracy of the algorithm is must to be calculated .	High	Sprint-2
		USN-4	assess the data set.	Data is preprocessing before the training.	High	Sprint-1
	Evaluate Accuracy of Algorithm	USN-5	Decide the precision, accuracy, as well as recall of each algorithm.	Accuracy is important to detect the severity of fire	High	Sprint-3