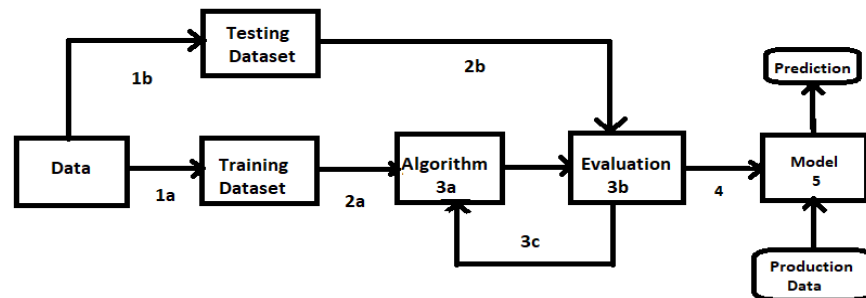


## Project Design Phase-II

### Data Flow Diagram & User Stories

Date	14 October 2022
Team ID	PNT2022TMID46933
Project Name	Emerging methods for early detection of forest fires
Maximum Marks	4 Marks

#### Data flow



- 1.Data set
- 2.Evaluate Dataset
- 3.Implement Algorithm
- 4.Evaluate accuracy of algorithms
5. Display Results

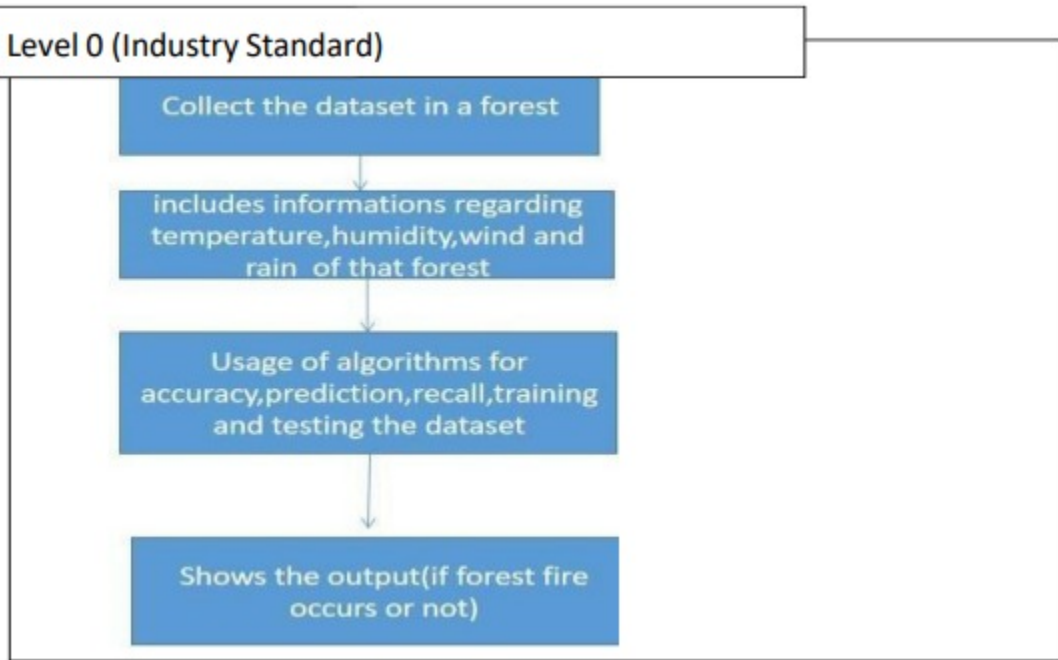
## DFD Level 0 (Industry Standard)

Collect the dataset in a forest

includes informations regarding  
temperature, humidity, wind and  
rain of that forest

Usage of algorithms for  
accuracy, prediction, recall, training  
and testing the dataset

Shows the output(if forest fire  
occurs or not)



## User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Environmentalist	Collect the data	USN-1	As an Environmentalist,it is necessary to collect the data of the forest which includes temperature,humidity,wind and rain of the forest	It is necessary to collect the right data else the prediction may become wrong	High	Sprint-1
		USN-2	Identify algorithms that can be used for prediction	To collect the algorithm to identify the accuracy level of each algorithms	Medium	Sprint-2
	Implement Algorithm	USN-3	Identify the accuracy of each algorithms	Accuracy of each algorithm-calculated so that it is easy to obtain the most accurate output	High	Sprint-2
		USN-4	Evaluate the Dataset	Data is evaluated before processing	Medium	Sprint-1
	Evaluate Accuracy of Algorithm	USN-5	Identify accuracy,precision,recall of each algorithms	These values are important for obtaining the right output	High	Sprint-3
	Display Results	USN-6	Outputs from each algorithm are obtained	It is highly used to predict the effect and to take precautionary measures.	High	Sprint-4