Δ GROUP NO. 06
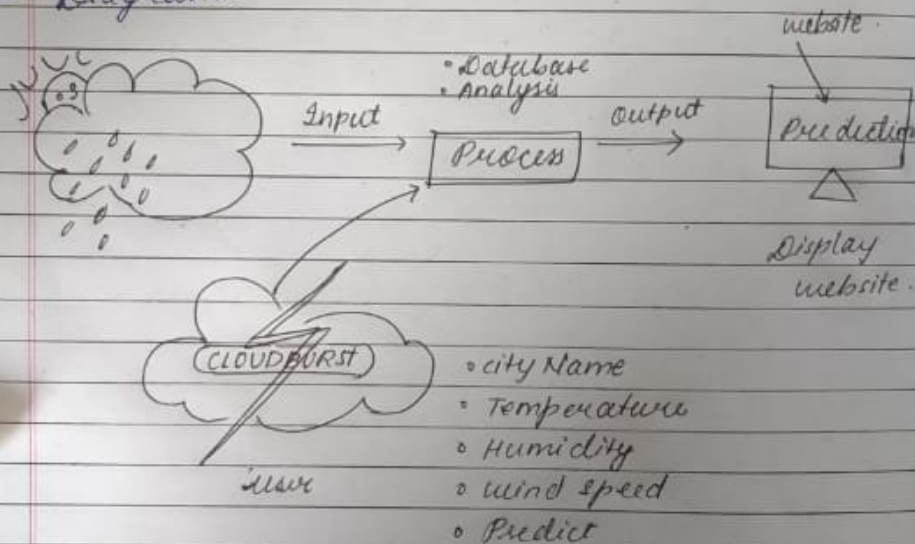
↑ Problem Statement :-
 CLOUDBURST PREDICTION SYSTEM.

→ Problem Statement :-
1) create a website
2) Rainfall created problem
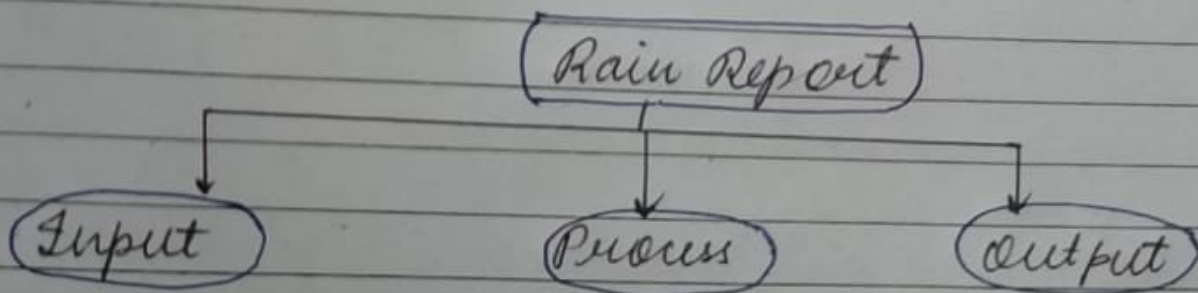3) Analysis Rainfall pattern
4) open source data
5) predict Rain

→ Diagram :-

- Database
- Analysis

Input → Process → Output

website
Prediction

Display
website

CLOUDBURST
user

- city Name
- Temperature
- Humidity
- wind speed
- Predict

3) Technology Used :-
1) HTML, CSS, Javascript
2) BOOTSTRAP [front end]
3) FIREBASE
4) Python [for EDA & Analysis performance]

4) Tree Structure :

```
                    ( Rain Report )
          ┌──────────────┼──────────────┐
          ▼              ▼              ▼
      ( Input )      ( Process )     ( Output )
```

Input	Process	Output
Historical weather data	1) Data preprocessing	1) Cloudburst predictions result
Satellite imagery	2) Feature extraction	2) Probability of occurance
Atmospheric pressure readings	3) Model training	3) Early warning notification
Temperature data	4) Real time data integration	
	5) Cloud burst prediction algorithm.	