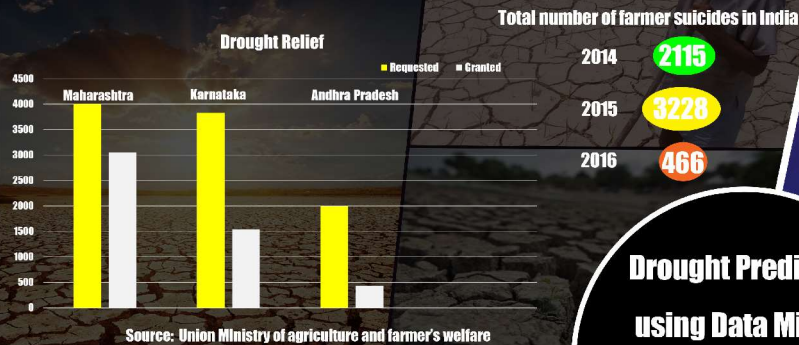# Need of the system

- Indian subcontinent is diversified in Geography and topography.
- The deccan plateau present here is mostly affected by droughts.
- People affected mostly rely on Government authorities for help.
- The help alloted by the civic bodies either gets suppressed through the chain or doesn't reach the affected areas in time.
- Hence the need to adopt a system for prediction of drought and effective aid delivery in "TIME".

Drought Relief
- Requested ■ Granted

Maharashtra   Karnataka   Andhra Pradesh

4500
4000
3500
3000
2500
2000
1500
1000
500
0

Source: Union Ministry of agriculture and farmer's welfare

Total number of farmer suicides in India
- 2014   2115
- 2015   3228
- 2016   466

Objectives

- To develop an effective system for drought prediction for a particular region.
- To develop a highly efficient and transparent system for aid delivery.

Scope & Requirements of the System

- Scope for the system will be now restricted for some districts of Maharashtra and the prototype will be working for a small village dataset.

Drought Prediction using Data Mining Techniques and Effective Aid delivery

Conclusion

- Better and Efficient Delivery System can be created.
- Transparency and end to end delivery system can be developed.

Proposed System

Dataset (Phase 1)
- Start
- Choosing Family Head
- Accept Family Information
- Validate Information
- Store Finger Print
- Stop

Prediction Phase (Phase 2)
- Accept Input
- Create set as affected and unaffected
- Accept input parameters from civic bodies
- Prediction for the area
- Store in area affected dataset
- Store in area non-affected dataset
- Report generation according to area

Delivery Phase (Phase 3)
- Find Source
- Accept Aid
- Accept Destination
- Authenticate user
- Validation
- Provide Aid
- Transaction Commitment
- Stop

Pre-processing
Area selection and Statistical data
Naive Bayes Classification Algorithm
Family Information Gathering
PHASE 1
Unique ID Generation for family
Global Database
Drought Affected Areas
Classify and store results
PHASE 2
Accept Fingerprint
Allocation of aid
Provide aid out
Authentication
PHASE 3