

Q Discuss Application of Big Data in Field of Disaster Management?

o Big data refers to large structured & unstructured information generated by observing trends & other processes.

As an emerging tech., Big data can be used in Disaster Management, Specially in Disaster prone Areas:

### FLOODS:

Big data can be collected about the timing, Intensity, So that vulnerable population could be taken out before disaster happens.

### LAND SLIDES:

Acc. to the trend followed specially during Rainy Season, construction of Roads, Building could be done so that they could with stand disaster.

### VOLCANO:

Recent eruption in Indonesia's Agung volcano led to displacement of

Many people. Big data could be used to prepare, mitigate for the disaster.

### AGRICULTURE:

Frequent drought due to low Rainfall could be Mitigated if they would be early warning.

Appropriate Irrigation & Crop Pattern could be chosen to withstand Drought.

### CYCLONES:

Frequent cyclones in east India - odisa, and recent in Kerala (ookhi) took life of many people due to coordination problem of IMO & govt.

o Big data could have prevented loss by early warning systems.

As the climate is changing, disaster & natural calamities pattern are also changing.

Thus using a new tech. like Big Data could not only be handy but also effective & reliable.