## **Prior Knowledge**

## Natural disasters intensity analysis and classification using artificial intelligence



- Being prepared can reduce fear, anxiety, and losses that accompany disasters.
- Communities, families, and individuals should know what to do in the event of
  a fire and where to seek shelter during a powerful storm. They should be ready
  to evacuate their homes and take refuge in public shelters and know how to
  care for their basic medical needs.

- People also can reduce the impact of disasters (flood proofing, elevating a home
  or moving a home out of harm's way, and securing items that could shake loose
  in an earthquake) and sometimes avoid the danger completely.
- You should know how to respond to severe weather or any disaster that could occur in your area – hurricanes, earthquakes, extreme cold, flooding, or terrorism.
- You should also be ready to be self-sufficient for at least three days. This may mean providing for your own shelter, first aid, food, water, and sanitation.
- There are many types of disasters and emergencies: fires, floods, earthquakes or manmade disasters. You and your family may need to survive on your own after an emergency.
- Having sufficient supplies such as food, water, medicine and emergency essentials is important. Local officials and relief workers will be on the scene after a disaster but they cannot reach everyone immediately.
- You could get help in hours or it might take days. It is estimated that after a
  major disaster, it may take up to three days for relief workers to reach some
  areas



## **Basic Disaster Supplies Kit**

The following items are recommended for inclusion in your basic disaster supplies kit:

- A three-day supply of non-perishable food suitable for your family's size
- A three-day supply of water one gallon of water per person, per day
- Portable, battery-powered radio or television and extra batteries
- Flashlight and extra batteries
- First aid kit and manual



- Sanitation and hygiene items (moist towelettes and toilet paper)
- Matches and a waterproof container
- Whistle
- Extra clothing
- Kitchen accessories and cooking utensils, including a can opener
- Photocopies of credit and identification cards
- Cash and coins
- Special needs items, such as prescription medications, eye glasses, contact lens
- Solution, and hearing aid batteries
- Items for infants, such as formula, diapers, bottles, and pacifiers
   Other items to meet your unique family needs