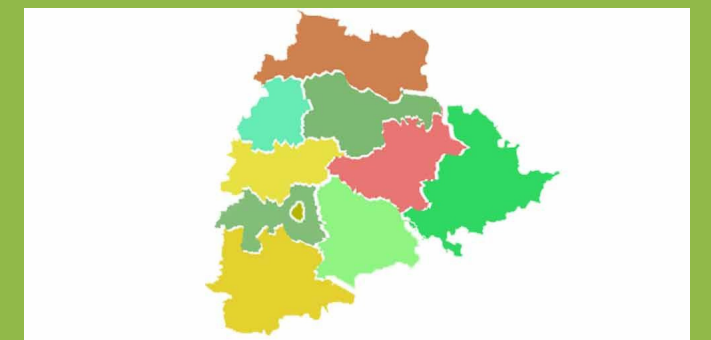


DATA FOR SOCIAL GOOD HACKATHON

SDG 13 CLIMATE ACTION

TEAM NAME:- CLI_Hacks



Introduction

Telangana is more vulnerable than Andhra Pradesh to the changes in climate, natural resources, agriculture, population and employment, reveals a study.

According to experts, seven districts from Telangana and three from AP figure in the list of top 10 districts in the two states in the composite index of vulnerability. These districts are more likely to be affected by climate change, which will ultimately impact agriculture and natural resources, besides livelihood opportunities.

Impacts & Solutions to Climate Change

Extreme Weather

Weather changes are perhaps the most noticeable effect of climate change for the average person.

Extreme weather influenced by climate change includes:

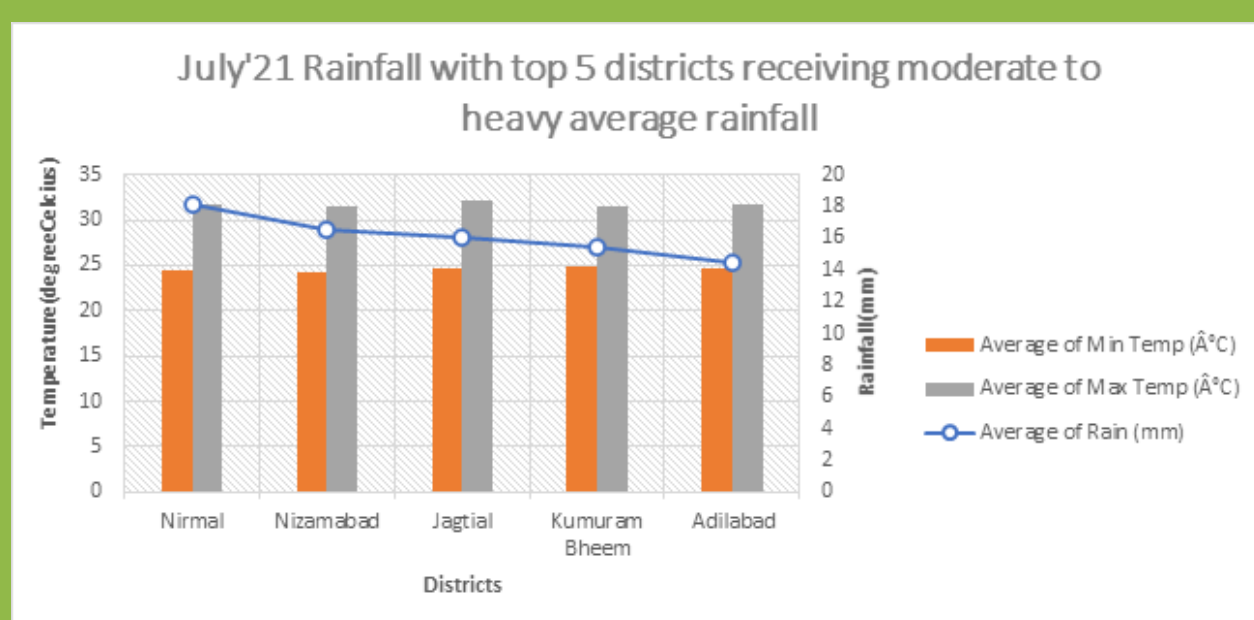
- Stronger storms & hurricanes
- Heatwaves
- Wildfires
- More flooding
- Heavier droughts

Solutions for Climate Change:

By taking immediate action to curb climate change, we may never see the worst consequences. Likewise, as the state adopts cleaner, more sustainable energy solutions, there may be thousands of new jobs created and millions of dollars of economic benefits.

- Stop deforestation
- Recycle
- Effective land use
- Need of new irrigation techniques to save water
- Water harvesting
- Effectively sharing underground water

Results & Conclusions



In terms of absolute rainfall, Kumuram bheem received 374.4mm, which was the highest in the state between the mornings of 23rd July and 24th July 2021. In July, many places were lashed by torrential rainfall. Nirmal district received the highest average rainfall of 18.16mm in July'21. (Ref. Final submission.xlsx)

In terms of average rainfall Nirmal district received the highest rainfall in July'21.

Adilabad, which has the highest rainfall and a great no. of dense forests in the Telangana, has come out as the most vulnerable of all the districts in Telangana when we take all the five factors in the composite index of vulnerability into account. After Adilabad, we have Khammam, Rangareddy, Medak, Mahbubnagar, Nizamabad, Karimnagar, Nalgonda, Warangal, and Hyderabad in the list.

