

# AI-EBPL Natural disaster Prediction and management

Screenshots of the projects output :

Output

## Chatbot:

Acts as an interactive assistant to provide users with real-time information, answer questions, and guide them during disasters.

Output:1

```
✅ Disaster map saved as disaster_map.html
📁 You can upload this file to GitHub and link to it from README.md!

💬 Natural Disaster Assistant Chatbot
Type your question below. Type 'exit' to quit.

You: how to prepare for the flood
Bot: 🌊 Flood Tip: Move to higher ground immediately.
📍 Nearest Shelter: Riverside Community Center
💡 Moral: Help others and don't panic.
You: predict

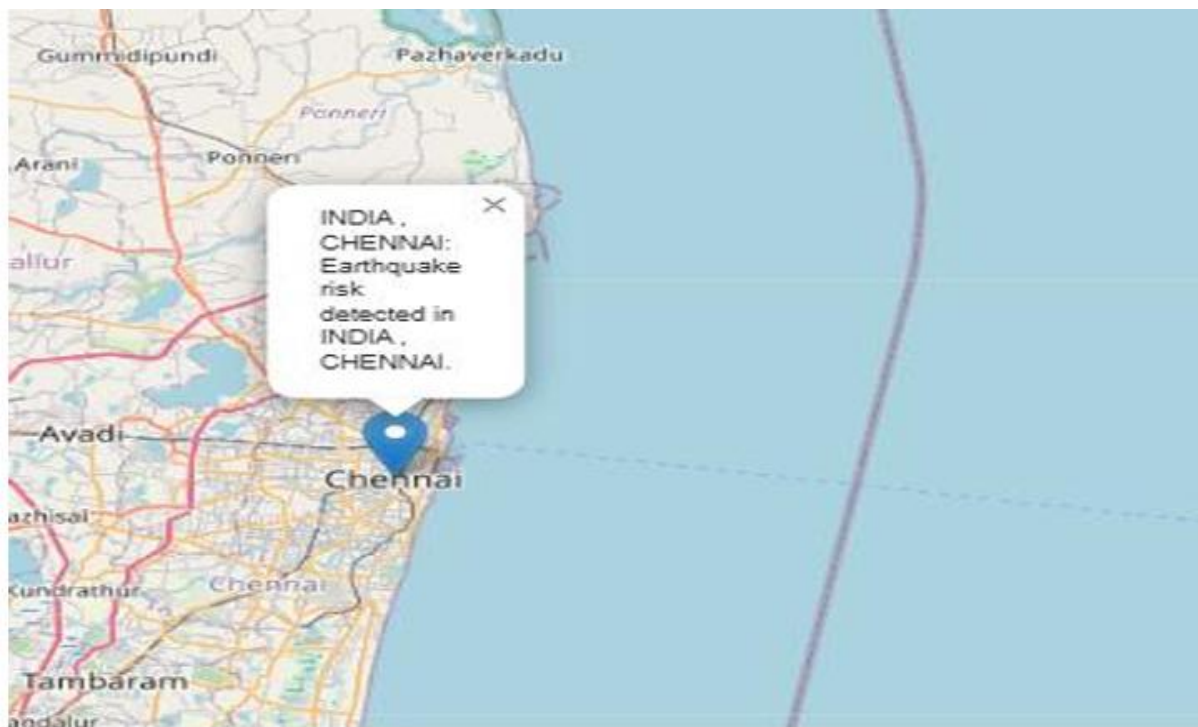
Bot: 🔍 Disaster Prediction:
- Earthquake Risk: Moderate (Region A)
- Flood Risk: High (Region B)
📁 Stay alert and follow official updates.

You: thank you, exit
Bot: I'm here to help with disaster information and tips!
You: exit
Bot: Goodbye! Stay safe. 🙌
```

### Map:

Visualizes disaster-affected areas, safe zones, evacuation routes, and resources for easier understanding and navigation.

Output:2



## Prediction:

Uses AI and data to forecast natural disasters like floods or earthquakes, helping in early warnings and better preparedness.

### Model Evaluation Report:

	precision	recall	f1-score	support
0	0.00	0.00	0.00	1
1	0.67	1.00	0.80	2
accuracy			0.67	3
macro avg	0.33	0.50	0.40	3
weighted avg	0.44	0.67	0.53	3

