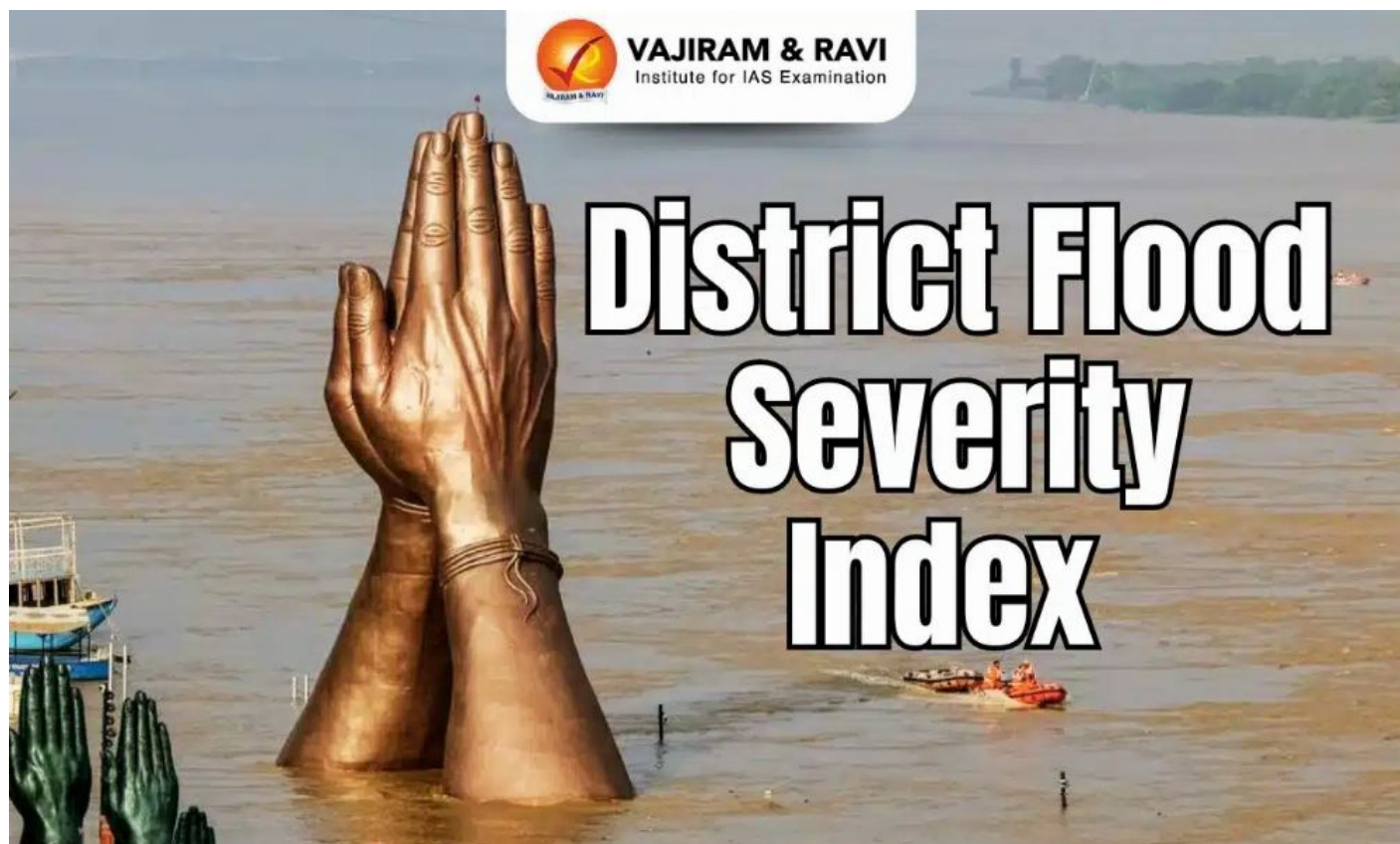


## District Flood Severity Index

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### District Flood Severity Index Latest News

Researchers from IIT Delhi and IIT Gandhinagar have developed a District Flood Severity Index.

### About District Flood Severity Index

- It **accounts for the historical severity of floods in** India based on the number of people they have affected and the spread and duration of such floods.
- **Parameters used**
  - It takes into account the mean duration in days of all flooding events in a district.
  - Percentage of area that is historically flooded
  - Total number of deaths, number of people injured
  - Population in the district.
- It is developed using the **India Flood Inventory with Impacts** (IFI-Impacts) database containing data of variables representing the occurrence of floods and damage due to floods.

- **India Flood Inventory with Impacts** contains death and damage statistics, and combines population and historically flooded area information sourced from a national hydrologic-hydrodynamic modeling system.
- Since the district is the most relevant unit for planning and decision making, a DFSI would be of immense value for flood management.

## Key Findings of District Flood Severity Index

- **Patna** turns out to be number one on the index followed by many districts in the Indo-Gangetic Plain and in Assam.
- **Thiruvananthapuram** is number **one in terms of flooding events**, it is absent in the top 30 districts in the flood severity index.
- **Dhemaji, Kamrup, and Nagaon districts in Assam** are three of the five districts in India that have experienced over 178 flooding events, or more than three events per year on an average.
- **Urban flooding** occurs partly because of hydrometeorological reasons and also due to unwise urban development.

Source: **TH**

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Source: <https://vajiramandravi.com/current-affairs/district-flood-severity-index/>

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