

4. Smart City Missions Integrated Data Dashboard

Prelims Syllabus: Governance

Mains Syllabus: GS-II Issues relating to development and management of Social Sector or Services Relating to Health, Education, Human Resources.

Why in News?

- Smart Cities of Pune, Surat, Bengaluru and Tumakuru are using the integrated data dashboards, to provide up-to-date information about the status of coronavirus in different administrative zones of their cities.

Integrated data dashboard:

- A data dashboard is an information management tool that visually tracks, analyzes and displays key performance indicators (KPI), metrics and key data points to monitor the health of a business, department or specific process.

Features:

- Spatial Mapping of the affected areas is made available to citizens using geo-spatial information systems.
- Using heat-mapping technologies and predictive analytics, the city administration will develop a containment plan and the containment zones get reflected on the dashboard.
- The Smart City's integrated dashboard also monitors the quarantine facilities and tracks the health of suspected patients and their contacts placed under home quarantine.
- Regular updates to the citizens: In addition to providing the overall statistics on tested, confirmed, active, recovered and death cases, the dashboard provides the trends and patterns on the spread of COVID-19 within city, in terms of cumulative cases (each day), number of new confirmed cases reported (date wise), age-wise distribution of cases, zone wise distribution and gender-wise distribution.
- 'War room' to use technology to conduct surveillance on people within 8-km radius of a confirmed patient, so as to contain the spread of the virus.
- The Integrated Command and Control Centers are implementing initiatives such as
 - CCTV Surveillance of Public Places
 - GPS Tracking of Healthcare workers
 - Virtual Training to Doctors & Healthcare professionals
 - Real-time tracking of Ambulances & Disinfection Services
 - Medical Services through Video Conferencing and Tele-Counselling and TeleMedicine.