

Vidya Samiksha Kendra

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In news—The Prime Minister of India visited the Vidya Samiksha Kendra, a Command and Control Centre(CCC 2.0) for Schools in Gandhinagar, Gujarat recently.

About Vidya Samiksha Kendra-

- It is a surveillance system which **tracks enrolment, attendance, learning outcomes, drop-outs, school accreditation and monitors schools, teachers** and block and cluster resource centre co-ordinators.
- This state of the art data driven **centre is based on the National Digital Education Architecture (NDEAR) Framework.**
- The centre is located in sector 19 of Gandhinagar and is **aimed at leveraging data and technology to improve learning outcomes.**
- It is a much **upgraded version of the state government's realtime technology enabled surveillance system to "keep an eye" on over 1.95 lakh school teachers** that was launched in Gujarat in 2019.
- Established with the **aim to improve the quality of education by ensuring teachers stick to their assigned tasks on a daily basis,** the system was devised after various discussions and reports concluded that poor monitoring of teachers resulted in absenteeism and "non-seriousness".
- Even those who monitor them were handed **GPS-enabled tablets** and tracked through geofencing by which an alert triggered when a mobile device enters or leaves a specified area.
- The entire surveillance operation grew from a staff of 50 dedicated members, hired in equal numbers from the Samagra Shiksha Abhiyan (SSA) and the office of the Director, Primary Education (DPE) running a call centre

was upgraded in 2021.

- **It monitors 55,000 primary and secondary government schools** and hand holds 4 lakh teachers to help improve learning outcomes of nearly 1.2 crore students.
- **It can track details like the pattern emerging from periodic tests**, which student has performed badly in which subject and which question, (which) can be accessed with the help of artificial intelligence and machine learning.
- Also, **the centre is being used for interoperability of data systems** – that exist in silos, like student and teacher attendance data, CRC app data, semester assessment, CCC monitoring data, U-DISE, periodic assessment tests (PAT) and so on.
- The CCC came up with a preliminary child tracking system where a prediction or forecast on students most likely to migrate from where to which areas and their possibility of drop-outs can be made in advance.
- The data tracked and analysed include school history of a child right from his migration from which district and school to where, how many times has he changed the school.
- Also, data of students who remained absent from tests or students who scored low can also predict the chances of their drop-out.
- Based on the analysis, the CCC has categorised drop-out of students into two-seasonal migration and result and attendance oriented.
- This data of students is then shared with the Cluster Resource Centre (CRC) co-ordinators so that they can ensure the child does not actually quit school.
- Also, on the students' performance, teachers can work on areas where students require more clarity by analysing the PAT reports.