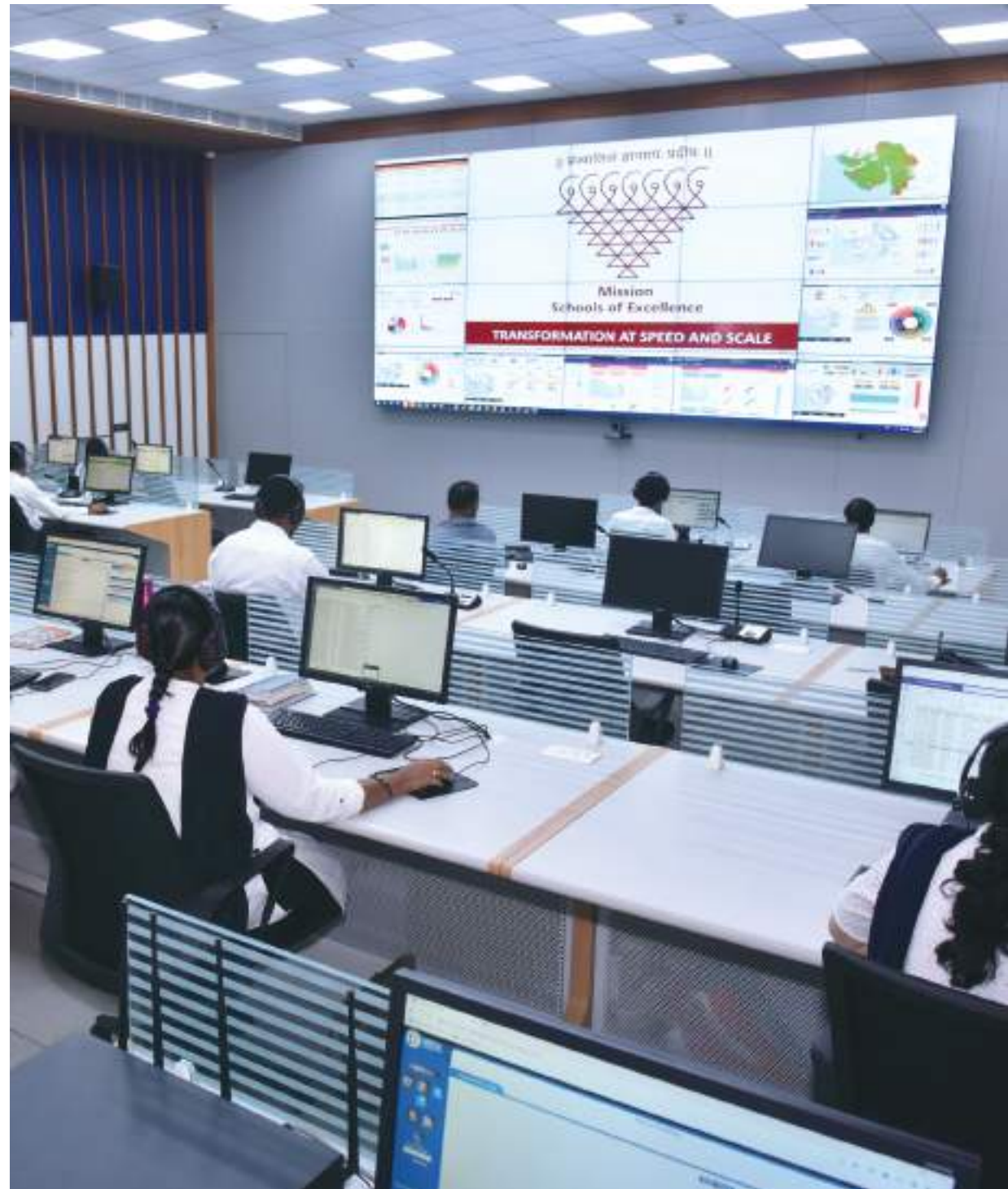# TECHNOLOGY-DRIVEN TRANSFORMATION OF SCHOOL EDUCATION

GUJARAT

A state-of-the-art platform to coordinate and control teaching activities in Gujarat aiming at teacher support and educational growth

Gujarat has more than 54,000 schools, 4.5 Lakh Teachers and 1.15 Crore students in its school education system. Additionally, 2.5 Lakh Government employees work in the school education department in the State.

There was an urgent need to establish appropriate monitoring and support mechanism for these employees. There was also a need to create support mechanism and a system to support students to enhance their learning outcomes. To achieve these two important objectives, the education department set up the country's first Vidya Samiksha Kendra (VSK) in the education sector in the year 2019.

THE INITIATIVE

This world-class state-of-the-art VSK is equipped with cutting-edge technology and constructed on 20,000 square meters of land. Two huge video walls have been established at VSK for data driven online real time continuous monitoring. 50 specially selected and trained teachers are providing continuous guidance through live data sharing and communication with Block Resource Centres (BRCs), Cluster Resource Centres (CRCs), District and Taluka officials, Head Teachers of Schools. The VSK collected and analysed more than 500 crore different types of data sets from initiatives like Periodic Assessment Test (PAT), Session end and Annual Summative Examinations, Daily Online Attendance of Students and Teachers, Data of School Accreditation etc., annually.

"Systems like VSK knows how technology helps students learn better, teachers teach better and help school systems becoming more effective. It focuses resources on achieving goals and to make a real difference."

Mr. Andreas Schleicher, Director - OECD, Education & Skills

"Transformational journey that Gujarat is undergoing on a critical path which is taking the State from schooling to learning. VSK is extremely interesting and a model for many countries on how to use data to drive the systems."

Mr. Jaime Saavedra, Global Director, Education - World Bank

FINAL OUTCOME

Jump in enrolment to improved attendance.

Achieving grade appropriate learning outcomes for every student in the State.

Improving governance through monitoring.

Using big data, artificial intelligence and machine Learning to analyse large set of data generated from across the State.

Real time dashboards and reports to share insights, triggers and action points at all levels.

Using data to develop the blueprint for large scale transformation projects that result in maximum return and maximum impact on investment.