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Press Note

Use of Advanced data analytics to ensure fairness in CBSE administered examinations

Conduct of examinations has to be carried out in a standardized and fair manner. While all efforts are being made to prevent use of unfair means practices during conduct of examinations in physical terms through monitoring by appointing external observers/flying squads and use of CCTV, CBSE has decided further to improve upon it by using advance data analytics to detect cases/centres while there is a high probability of recourse to unfair means during examinations.

A pilot analysis has been done on January 2021 CTET examination data in collaboration with Central Square Foundation (CSF) and Playpower Labs to develop algorithms to identify suspicious data patterns at the centre and the individual test-taker level. Based on the analysis results and the algorithms developed, CBSE has decided that such analysis will be extended to other administered examinations.

CBSE will use advanced data analytics to detect, respond and therefore, in the long run, prevent any irregularities in academic testing across all major CBSE administered exams in the country.

On the basis of such analysis, CBSE aims to identify examination centres where the data indicates the existence of malpractices during the conduct of examinations. Post this, appropriate measures can be taken by CBSE to strengthen the reliability of the examinations and to deter any such malpractices in the future.

This will be used to strengthen the reliability of National Achievement Survey (NAS), Central Teachers Eligibility Test (CTET) and Board examinations conducted by CBSE.

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