

# AI - Driven Adaptive Practice Platform

Designed for homework practice and revision in schools.



## Question Engine

### On-the-Fly Question Generation

Cerebry's question bank contains Conceptual mathematical models and thus questions are created dynamically for your students, at the time they practice.

### No two students get the same question

Cerebry creates unique questions for every student during practice or tests. No two students will solve the same question thus forcing a student to apply a concept rather than rote learning or memorization techniques.

### 20 Millions+ Questions generated

Solving a topic on Cerebry means solving every possible textbook problem! Cerebry's conceptual models allow for creation of legit and high quality, questions of several types, for all curriculums.

### Break-down complex questions into pre-requisites

Cerebry provides step-by-step guidance for problem solving. As a result, students will find it simple to comprehend the concept effectively.

## Assessment Management

### Mock Tests Creation

Cerebry provides Teachers an intuitive and easy-to-use tool to create On-the-fly Mock tests, of any complexity and conduct comprehensive knowledge assessments.

### Revision Mode

Cerebry offers a Revision Mode before an exam so that students can study their practice questions. Cerebry also enables customized selection of significant questions, incorrectly answered questions to review and practice again.

### Adaptive Testing

Every student path will be different in the test and based on the response of the learner, the platform identifies the learner with a particular skill set.

### Proctoring

Cerebry's Proctoring technology prevents any intentional or unintentional academic misconduct that provides students any unfair advantage over other students while attempting to take the same test.

## Homework Management

### Adaptive Practice

Cerebry's Practice Mode offers 3 levels of difficulty and caters personalized and adaptive interventions to both competent and weak performers.

### Syllabus Planning and Scheduling Tool

Cerebry's Practice mode includes a showcase of the syllabus that a teacher can easily wade through, bookmark and save for review or creation of test papers.

### Auto-grading of student homework

Cerebry's Practice is auto-graded, a student's question attempts are captured, marked right or wrong along with insights for error reflection & progress is calculated as a percentage of completion of practice questions.

### Gamification Incentives

There are motivational incentives such as Badges and interactive experience that push students to persevere through their practice.

## Student Interventions

### Step by Step Guidance

Cerebry provides Step-by-Step instructions for Students on the practise mode. When a student is unable to solve a complex mathematical problem, Cerebry intervenes to break the problem into simpler ones

### Alternative Solutions

Generally, in a classroom teaching, a teacher teaches one way of solving a question. Explaining multiple ways to solve a question is next to an impossible task for a teacher. Cerebry provides the alternate solutions for each question.

### Misconception Detection

The AI platform detects misconceptions from the student's answer. It highlights the step where the student went wrong and assists the student in learning from the mistakes.

## Reports

### Proficiency report

Cerebry measures a Student's Proficiency and showcases that this learning metric increases with a student's ability to solve harder questions within the given time. Complexity and conduct comprehensive knowledge assessments.

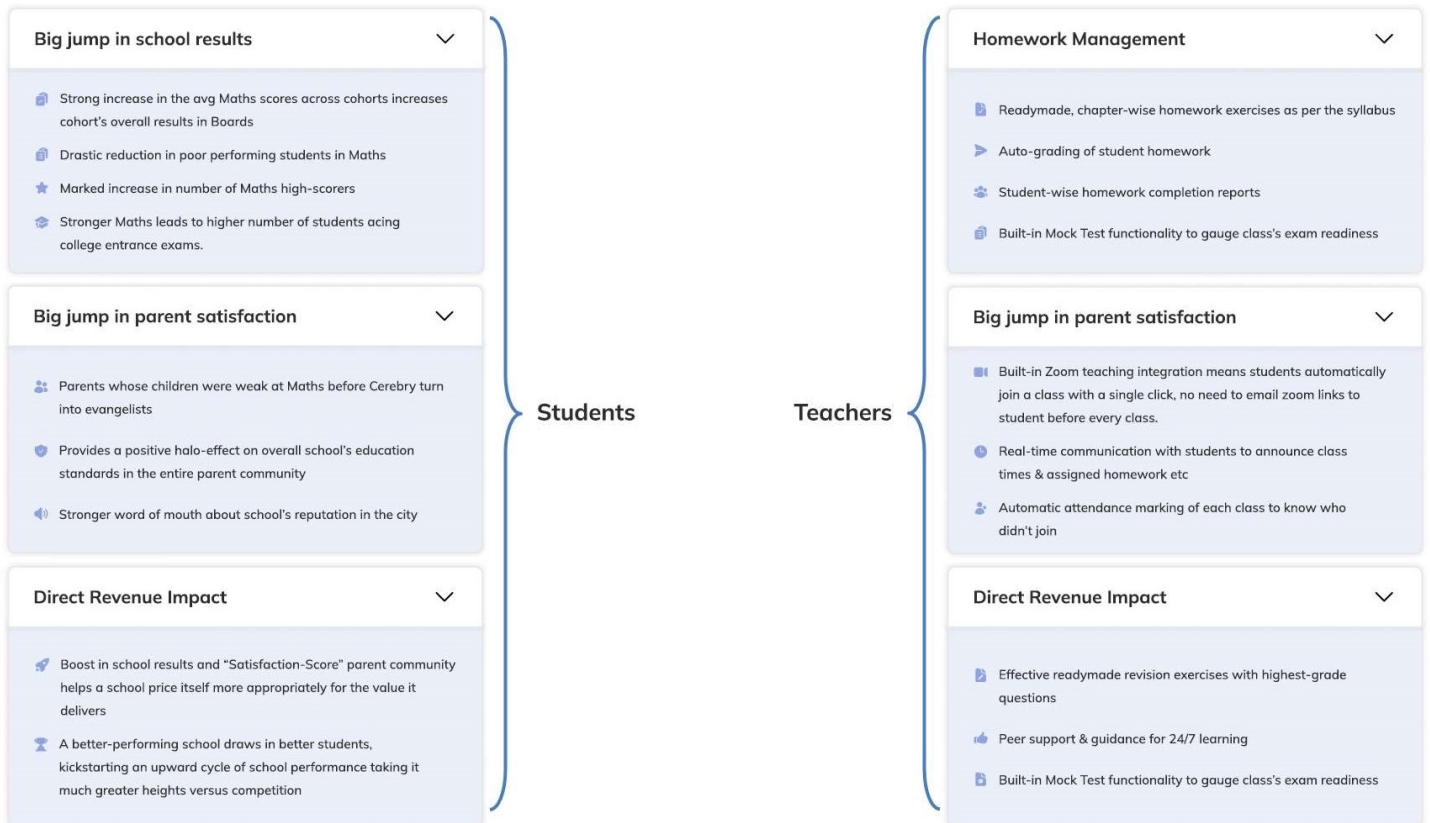
### Comparative Practice Reports

Cerebry's relative practice reporting provides School Admins and Leadership a view of the learning outcomes achieved with different classes within the same grade, from different schools and demographics and thus be used to gauge teacher efforts and their classroom approaches and interventions.

### Skill Reports

Cerebry's Skill Report measures a student's level of Skills in increasing order.

# Proposition for Schools



**8 Years    20 Millions+    20,000+    2,60,000**

8 Years of Research at National University of Singapore

Uniquely Generated questions

Active Students per week

Hours of Micro-tutoring delivered

**100+**

Used in 100+ Schools all over the world

**50257**

Misconceptions Identified

**45789**

Misconceptions Rectified

**91%**

Improvement in Students

Improvement data based on Vedantu & SUTD Feedback

## Pedagogy and Content

Designed meticulously to match school's prescribed syllabus

