

ENABLING SMARTER TEACHING THROUGH POWER OF AI

Customer Background

The client is the world's largest university press with the widest global presence. The client publishes scholarly content, in more than 40 languages, and in a variety of formats including print and digital. The client covers an extremely broad academic and educational spectrum, and it aims to make content available in the field of research, scholarship, and education.



The client wanted a virtual teaching system which helped students to learn and understand all the subjects which normally a teacher would teach in a class. They were looking for an AI powered teaching assistant which could provide answers and feedback instantaneously. The client also wanted to relieve the tutors from answering repetitive questions being asked by the students. The client was looking to deploy a framework in which actively engaged students with customized resource materials as per the topics of their choice.

Business Challenge

Solution Highlights

Hitachi Systems Micro Clinic was chosen by the client to help transform from traditional teaching to a complete virtual assistant. Hitachi developed artificial intelligence based solution which minimized the human intervention.

Hitachi designed algorithms for facial recognition for the client to identify the facial expressions and track face points and distances. Furthermore, to constantly learn and improve the system's ability to understand and evaluate a student's work, Hitachi also deployed an option of quiz and spelling games which would also help the systems evolve automatically over a period. Inbuilt voice feature was provided to the client to navigate through the system and use voice to ask queries attempt quizzes and spelling games.

- **AI powered teaching and study programs** allowed students to **enhance self-learning, practice and improve their knowledge of subject**
- **Facial Recognition Feature** provided allowed students to **login or register into systems with ease**
- **Queries and support** on the learning topics could be provided to the students **24/7**
- The **virtual assistant** helped teachers to concentrate on **improving the teaching methods** as it provided feedback on the student engagement

Business Outcome

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Hitachi Systems Micro Clinic is an IT services company established in New Delhi in 1991; it became a group company of Hitachi Systems, Ltd. in 2014. The Company is uniquely positioned as a cable-to- cloud service provider and an end-to- end IT services and solutions provider that helps businesses meet today's challenging and complex IT requirements. The Company delivers innovative technology solutions to enable enterprises and governments to re-align and integrate IT processes to be more responsive to Customers' needs.

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