Effective Teaching and Learning Through Unified AI

Roombr Digital Classroom



roombr x ASUS x intel

By leveraging Intel® technologies, Roombr's Digital Classroom app enables hybrid teaching with AI-powered recording, transcription, automated assessments, instant feedback, and content publishing for students.

Roombr Digital Classroom is an AI-powered learning platform that enables educational institutions to deliver engaging in-person and hybrid learning experiences. Deployed on the ASUS NUC 15 Pro with Intel® Core™ Ultra processors (Series 2), Intel® Arc™ graphics, and the OpenVINO™ toolkit, the solution accelerates AI-powered classroom recording, transcription, translation, content generation, and assessment workflows.

Real-time video analytics support classroom engagement, while AI-driven teacher assistance and personalized student support help improve learning effectiveness. Automated recording and chaptering make educational content easily searchable and accessible, enabling institutions to scale digital learning while reducing administrative effort and improving educational outcomes.

*Roombr Digital Classroom delivers an AI-powered learning platform on Intel® processors that enables **hybrid teaching, automated assessments, intelligent content creation, and improved learning outcomes.***

Intel Products & Technologies

Accelerating AI and analytics at the edge

Intel® Core™ Ultra Processors (Series 2)

Intel® Arc™ Graphics

OpenVINO™ Toolkit

Key Intel-Enabled Features

Real-Time AI and analytics make it easy

- Real-Time Video Analytics
- AI Teacher Assistance
- Personalized Student Support
- AI Recording & Auto-Chaptering

Powered by Intel® processors and optimized with the OpenVINO™ toolkit, Roombr and ASUS deliver:

01

Intel® Core™ Ultra Processors Support Multiple Video Streams

02

OpenVINO™ Toolkit Optimizes Real-Time AI Inference

03

Intel® Arc™ Graphics Accelerate Edge AI Analytics

04

Integrated CPU, GPU, and NPU Balance AI Workloads

That's the power of Intel Inside®.

Country/Geo:

India

Verticals:

Education

Use Cases:

Smart Classroom; Smart Campus; Offline LLMs; Digital Campus; Intelligent Learning; Immersive Learning

About Roombr

Roombr Digital Classroom is an all-in-one learning platform that combines video conferencing, lecture recording, AI-powered content editing, automated test generation and evaluation, and a collaborative whiteboard with integrated teacher and student engagement tools.

www.roombr.com

Roombr Digital Classroom - Edge AI Partner Spotlight

intel ai
Intel® AI Edge Applications

About ASUS

ASUS is a global technology company driven by innovation and passionate about enhancing digital life. It designs and delivers a broad range of products and solutions that empower people and organizations, combining cutting edge engineering, quality, and sustainability to create intuitive, reliable experiences for users worldwide.

www.asus.com

ASUS NUC 15 Pro - Edge AI Partner Spotlight

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Intel® AI Edge Systems

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