Experience the first
NEOD AI PowerX Interactive Display

Designed for future-ready classrooms

NEOD
EDUCATIONAL STORE

Meet NEOD AI PowerX IFP, the world's first
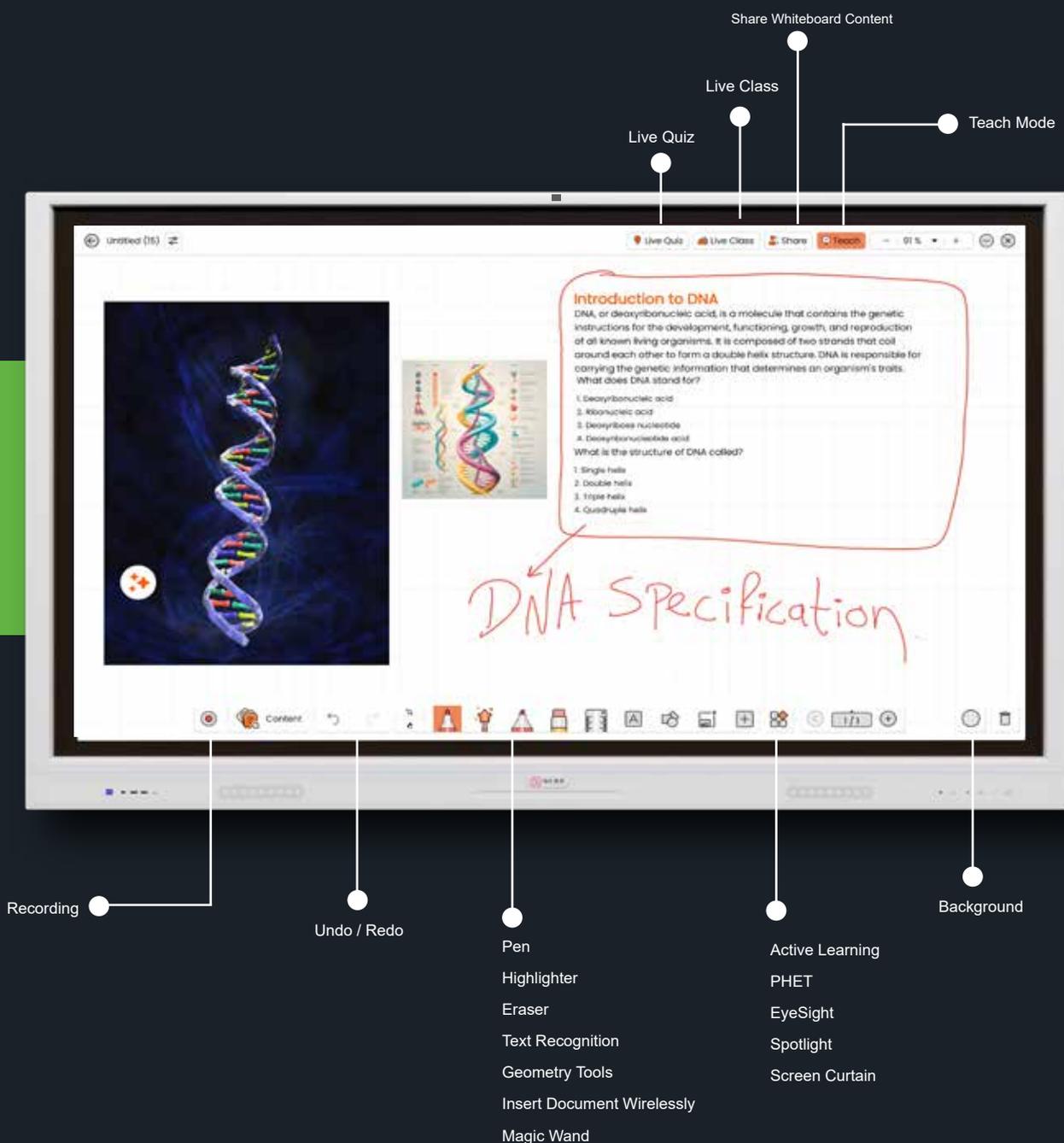AI-powered digital board with touch technology.

- Android 14
- Octa core Processor
- Camera (Optional)
- BOE Display
- Dual Sony Speaker 20W
- Build In Microphone (Optional)

	Typical IR-based Panels	Neod
Durability	—	✔
High Accuracy	✖	✔
Accurate Touch Recognition	✖	✔
Response Time	✖	✔
Narrow Bezel	✖	✔

The most advanced digital tools for easy and collaborative learning.

The **NEOD** panel's digital whiteboard combines creative tools, cloud search, and **AI** for quick Content display. It supports virtual and in-class teaching, encourages collaboration, and makes Learning interactive and easy to share.

Share Whiteboard Content

Live Class

Teach Mode

Live Quiz

Introduction to DNA

DNA, or deoxyribonucleic acid, is a molecule that contains the genetic instructions for the development, functioning, growth, and reproduction of all known living organisms. It is composed of two strands that coil around each other to form a double helix structure. DNA is responsible for carrying the genetic information that determines an organism's traits. What does DNA stand for?

1. Deoxyribonucleic acid
2. Ribonucleic acid
3. Deoxyribose nucleotide
4. Deoxyribonucleotide acid

What is the structure of DNA called?

1. Single helix
2. Double helix
3. Triple helix
4. Quadruple helix

DNA Specification

Recording

Undo / Redo

Pen
Highlighter
Eraser
Text Recognition
Geometry Tools
Insert Document Wirelessly
Magic Wand

Active Learning
PHET
EyeSight
Spotlight
Screen Curtain

Background

Simple classroom management with a smart and easy-to-use dashboard and collaborative learning.

The **NEOD AI PowerX IFP** digital board has a smart dashboard with easy tools for teachers with one click. They can use ai tools, share screens, and control devices the home screen makes class. Scheduling simple, helping teachers create fun and interactive lessons.

Personalize with Logo and text

Casting

Create shortcuts to Your favourite apps

Schedule your classes with ease

Instant Access To AI Tools For **Enhanced Teaching Capabilities**

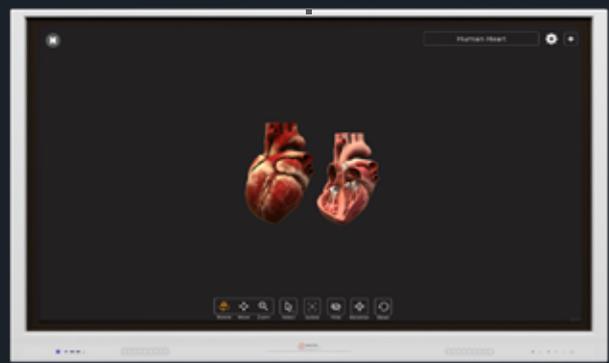One-click screen casting and **effortless device control**

Seamless HD live classes **no lags, just crystal-clear learning!**

NEOD AI PowerX IFP Engagement Suite brings
Learning to life with immersive experiences.

Neod Ai-IFP transforms learning with **3D MODELS**, virtual labs, and fun learning games, making studies engaging and easy to understand.

NEOD AI PowerX 3D models help students understand complex ideas.
Teachers can rotate, zoom, and highlight parts for an engaging learning experience."

Human Skeleton

Human Muscular System

Human Brain

Human Digestive System

Human Heart

Human Heart

Human Heart

Human Heart

PlantCell Anatomy

3D Shapes

Flower Anatomy

Solar System

Animal Cell

DNA

Corona Virus
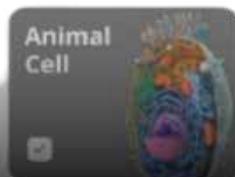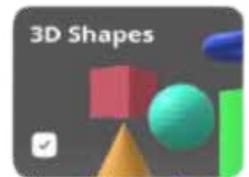
And Many More

Make learning fun with personalized adaptive games.

NEOD AI PowerX IFP helps teachers design interactive, concept-based games, making learning fun and engaging while boosting understanding of complex topics
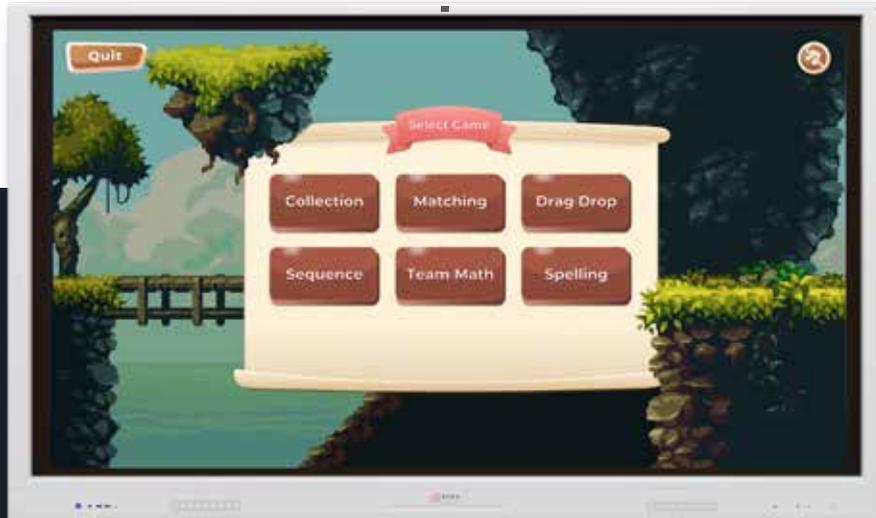

Make lab experiments come alive with Virtual simulations.

NEOD AI PowerX IFP allows teachers to virtually demonstrate experiments, offering clear, safe, saving lessons for all students."
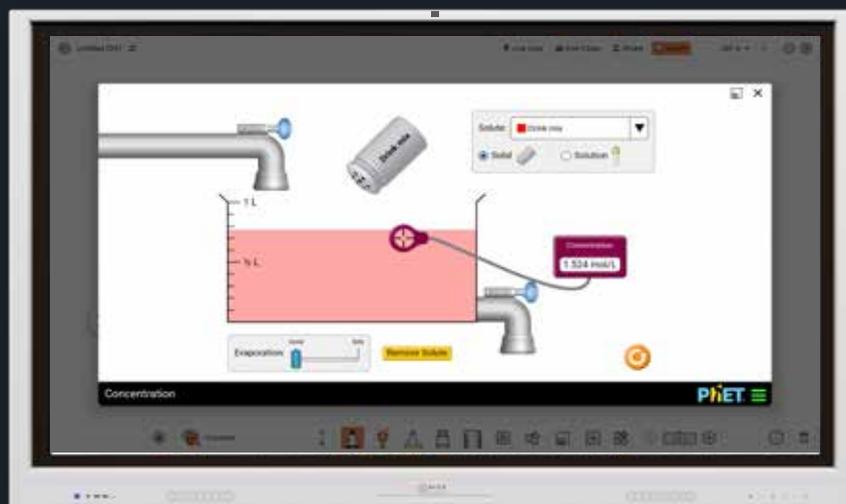
Unlock advanced teaching with
GenAI-powered content solutions

NEOD AI PowerX uses AI to automatically create lessons,quizzes,
and assessments, along with personalized assignments and smart image search."
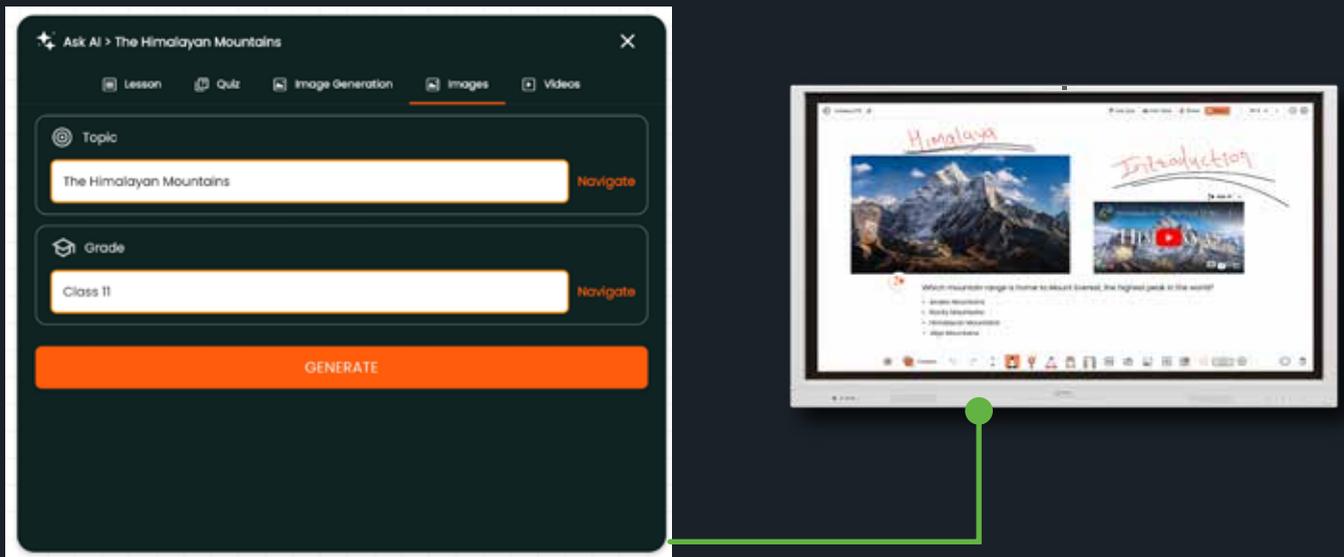
Create a rough diagram, and let the AI Magic Wand suggest clearer images.

Magic Wand is an AI tool that enhances teaching on digital whiteboards by suggesting relevant images as educators sketch, creating an engaging and interactive classroom experience."
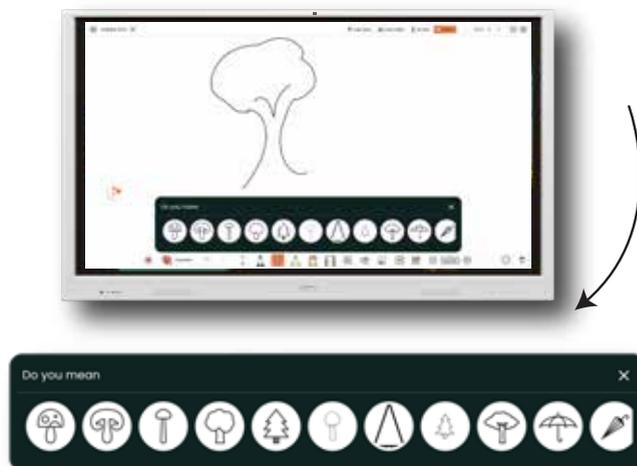
Enhance Learning with NEOD AI PowerX Agent

The AI Agent enhances education by creating lessons, quizzes, and summaries.
It finds relevant images, videos, and text, extracts key points from PDFs and YouTube,
and translates text. This tool helps teachers easily add dynamic content to their lessons.
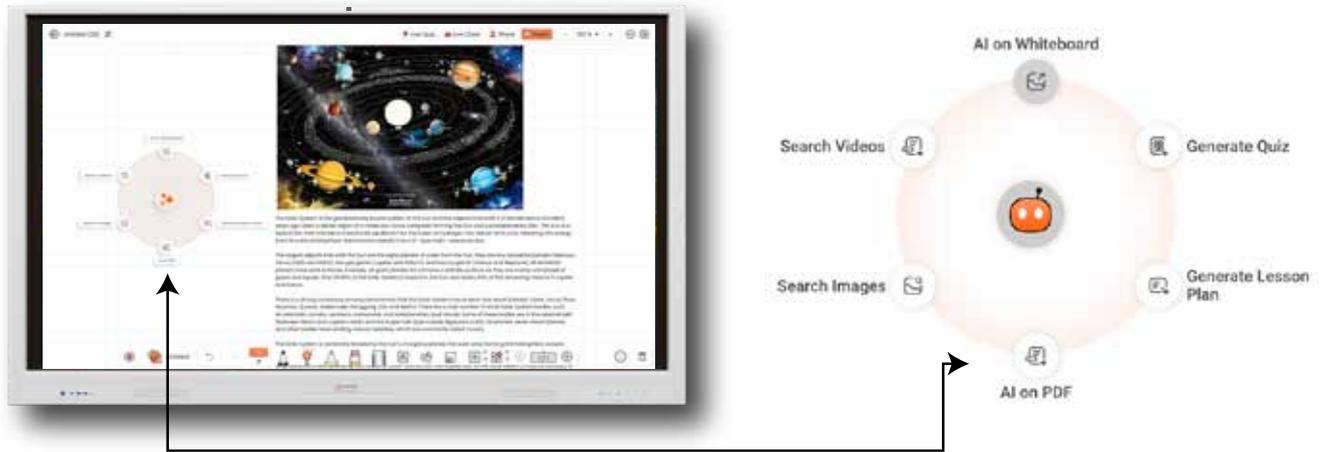
for Seamless Lesson Planning

The Neod Interactive Flat Panel's AI PPT Generation Tool revolutionizes lesson
preparation. By simply entering a topic, it generates captivating, visually striking
presentations in seconds. This efficient feature enables teachers to concentrate
on delivering content, ensuring engaging and impactful lessons across diverse subjects.

AI Quiz
Generation

AI Report
Generation

AI Math
Recognition Tool

AI Smart
Search Tool

AI Flashcard
Content Creation

AI Voice Recognition
Tool

Other Panel VS
NEOD AI PowerX IFP Panel

NEOD AI PowerX -IFP stands out from competitors with its seamless ai integration, Cutting-edge touch technology, and versatile learning tools, redefining Classroom engagement.

	Smart Board	Neod AI Smart Board
AI-Powered Lesson Plan Generation	✖	✔
Automatic Content Creation	✖	✔
Automatic Quiz Generation	✖	✔
AI-Powered content summarization	✖	✔
Bloom's Taxonomy Integration	✖	✔
SES Framework Integration	✖	✔
Multi-Lang uage Content Creation (75+ languages)	✖	✔
Automatic Grading Based on Rubrics	✖	✔
AI-Generated Student Performance Repo	✖	✔
Virtual Lab Simulations	✖	✔
3D Virtual Models	✖	✔
Class IQ Feature	✖	✔
AI on PDF	✖	✔
AI on YouTube Videos	✖	✔
AI-Assisted Lesson customization	✖	✔
Active Play Features	✖	✔
Immersive Gaming Experience	✖	✔
AI-Assisted Brainstorming	✖	✔
AI Vision Sensing Camera	✖	✔
Real -time Movement Tracking	✖	✔

NEOD AI PowerX IFP Specifications

Model No.: EP65-P1. EP75-P1, EP86-P1		Hardware
Finish and Sizes	Finish	Pearl White
	Size	65'',75'',86''
Display	Display Type, Resolution & Refresh Rate	Uttra HD IPS LCD Aw Display 3840*2160 (pixels) with 60Hz refresh rate.
	LFD View Angle	Direct LED, HDR Display, with wide viewing angle Of 179'(H) 1' 1 790(V)
	Surface	Matte finish Surface with 3.2mm Toughened Class MOHS Level 7 hardness
	Colors & Contrast Ratio	1.07 Billion Colors, Dynamic contrast 100000:1, 13001 (typ.)
	Brightness	450 nits (Max). 350400 nits (TYP)
Touch Technology	Technology	Advance NEOD AI PowerX 10 edge Optical Touch
	Touch Points	40 Simultaneous touch points (Windows), 20 Simultaneous touch points (Android)
	Touch Resolution	32767x32767
	Accuracy	± 0.3mm
	Response Time	< 2ms
	Gesture Detection	Palm Detection, Pen & Touch Detection
os		Android 14
Chipset	CPU	**Octa (8) Core ARM Processor, 8 x A55 CPU**
	GPU	Mali G52 MP2 (4 Cores)
Wireless	Bluetooth 5.2	Yes
	802.11 a/b/g/n Dual Band 2.4G and 5GHz	Yes
	Hotspot Support	Yes
Memory & Storage	RAM	4 GB/ 8 GB*
	Storage	Unlimited cloud storage* bundled with 32 GB / 128 GB* Onboard
Speakers	Stereo Speakers with Surround Sound	Front Facing, Hi-Fi, Stereo Sound output with 20W x 2 with 8Q impedance, built-in subwoofer & Surround
		Bass reflex with dual passive radiators.
1/0 ports	Front	Front: USB 3.0 x1 (Shared), USB 2.0 x 1 (Android), USB Type cx 1, Touch USB x 1, HDMI x 1
	Back & Bottom :	Side: HDMI IN x 2, VGA IN x 1, VGAAudi0 x 1, Touch USB x 1, USB 3.0 x I, USB 2.0 x 1, MicroSD Card x 1
		Bottom: LAN x 1, SPDIF x 1, Audio OUT RS232 x 1
Power Consumption	Voltage	Voltage: 100 V - 240 V/AC, 50/60 Hz
	Power	65" Q30W, 75" coowt 86" s400W, 98"
	StandBY	Stand-by. <0.5 W
Enviornment	Temperature	Working Temp: OOC — 400C , Storage Temp: Minus 1 OOC 600C,
	Humidity	Working Humidity: 10% to 80% RH Non-Condensing, Storage humidity: 5% to 90%
	OPS (Optional)	Intel Core i3/ Core i5- 9th Gen or Above, Memory: 8GB (Configurable), Storage: 256 GB SSD (Configurable), Graphics: Intel UHD 4K @ 60Hz, Wi-Fi-: Dual Band 2.4 GHz & 5 GHz, LAN, HDMI-out, USB 3.0 USB 2.0x 2
	Optional Accessories	Video Bar, PTZ Camera Document Camera, Whiteboard Camera
	In the box	Antenna x 2, Remote, Power Cable, USB touch Cable, HDMI Cable (1.5M), User Manual, Wall Mount Set
Regulation Compliance		BIS, STQC & ISO

		Software
Multi-User Collaboration	Live Multi User Collaboration with Live Icursor tracking	Yes
	Host can manage and control Writing permissions	Yes
Ease of Control	Voice Control	Yes
Wireless Casting & screen Sharing	Native Support for Airplay & MiraCast	Yes
	Multi- Device Casting	Upto 4 Devices simultaneously
Software	Take Student Attendance from Panel	Yes
	Assign Homework to students	Yes
	Built in Live Virtual Teaching	Yes
	Student & parent apps on Playstore	

Teaching Software	
	1. Ability to access online curated content curriculum for lessons creation
	2. Import documents & mufti-media in lessons, share lesson.
	3. Remotly Online collaboration with student on lessons, with Options to control which student has write access.
	4. Live Virtual Teaching using Audio & Video on Lesson consuming less than 1 Mbps bandwidth, with option to control enable & disable Audio andvideo of remote students
	5. Conduct live chat, polling during live class.
	6. Take Student attendance for remote & inclass students.,
	7. Create and share assignments, tests, and get analytics & insights Of the student performance,
	8, Always Ready to Connect to smart devices, like mobile and tablets, recieve files wirelessly from mobile devices.
	9. STEM Tools draw shapes, use math tools, like protractor and compass, solve equations and formulas, and simulate physics and chemistry lab experiments
	IO. Whiteboard: Pen, colours, Highlighter and Eraser, Multi-background, Creativity Tools, Smart Draw, Shapes,
	1 1 . Presentation Tools : Screen Curtain, Spotlight, Presentation mode
	12. Productivity Tools : Media import, (Docs, sheets, PDF, slides), Stopwatch & Document Scanner, Snipping tool
	13. Built-in Chrome Browser for Secure and fast browsing experience, Built-in Office Viewer App. +
	14. Support for installing MS Office Apps
	15. Support for Android apk installation, Support for 3rd Party VC Apps like Microsoft Teams, Zoom, Google meet.
	16. Infinite canvas with multi writing and palm erasing gesture support, 5 finger touch to sleep/ wake,

AI Features		
	Auto lesson Creation on any Topic	Yes
	Auto Quiz Creation on Any Topic	Yes
	Auto Assessment Creation with various difficul Levels	Yes
	Auto Self Study course Creation	Yes
	Teacher, Student, Admin and Parent App	Yes
	Interactive 3D models and experiments	Yes
	Built-in Educational Content search engine with Indexed Curriculum	Yes

*Subject to FUP listed on the IFPD website. Specifications may change without notice post publishing this document.

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For more information
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