

# Digital Remote Education Solution for Colleges, Universities and Enterprises.

One stop digital solution for all the needs of digital remote education across all vertical domains.





## Introduction:

The COVID-19 pandemic has shut schools , colleges , universities and training centers across the globe. As a result there is an enormous shift towards remote education platforms. Due to this shift in class room education to remote education , there is need for simple , intuitive and reliable remote education platform which can support users across all domains. Remote Education industry enables ubiquitous access to high quality digital content for learning across students/learners/parents and educators. Advancements in the field of artificial intelligence , mobile communication such as 5G ,rapid growth of Internet of Things (IoT) and edge computing will continue to enhance the user experience by providing high quality real-time video , white boarding , 3D video and Mixed Reality Learning content which improves overall learning effectiveness.

The global remote education market is projected to witness a CAGR of **9.23%** to reach a total market size of **US\$319.167** billion in 2025, from **US\$187.877** billion in 2019.

TechM digital remote education solution enables seamless access to reliable and comprehensive remote education platform with high quality learning content across different verticals and device form factors such as AR/VR devices.



# Key Challenges



## How does Tech Mahindra come into play:

TechM's digital remote education solution suite comprises of set of pre-integrated, production ready digital solution which addresses Blended, Digital and Intelligent Immersive learning.



# COVID Remote Education Solutions from Tech Mahindra

Improve educational experience, ubiquitous access to high quality content, increased student motivation.

## Blended e-learning

Blended e-learning is combination of off-line (face-to-face - traditional way) and on-line learning which complements each other. Students attends real class room and supplements further studies by online content.



Supplement face-to-face learning with online learning.

-  Create course catalog, learning path
-  Upload Course material
-  Course Feedback and assessment
-  Files Upload & Download



Regular Primary & Higher Primary



# Digital Learning

Digital learning enables access to Virtual class room function by streaming real-time HD/UHD video of instructor , live interactive white boarding of notes and access to on-demand video learning content.



Conduct virtual classes online using high quality video stream , white boarding and enable collaboration among participants.







-  Virtual class with white boarding
-  Governance / Risk / Compliance
-  Collaborate over chat / Voice
-  Event / Marketing / Campaigning
-  Evaluate Student/Teacher
-  Breakout Service

# Intelligent Immersive Learning

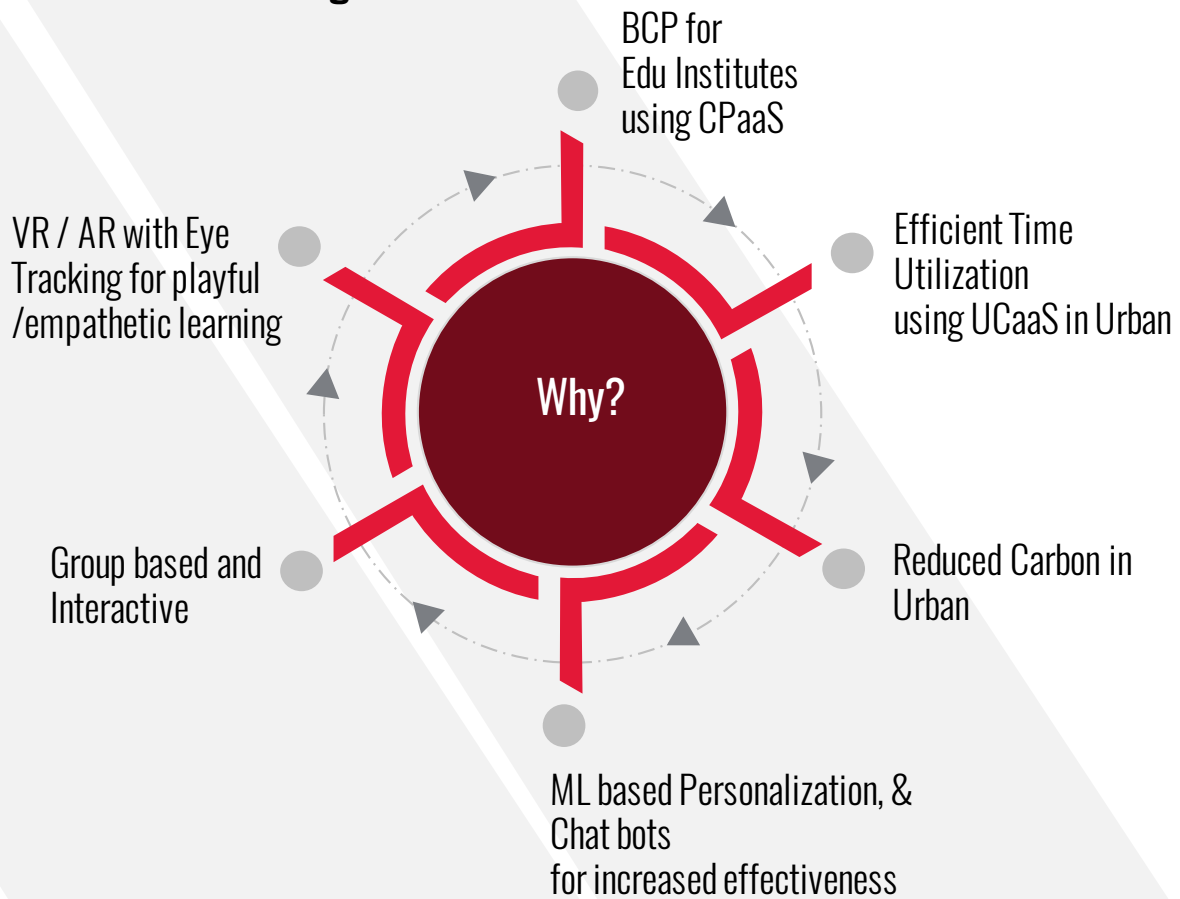
Intelligent and immersive learning enables student access virtual tutor using mixed reality features , gamified,360° interactive video , micro-learning based content. Improved learning experience by using AR/VR platforms and targeted recommendation by applying AI/ML on students profile.



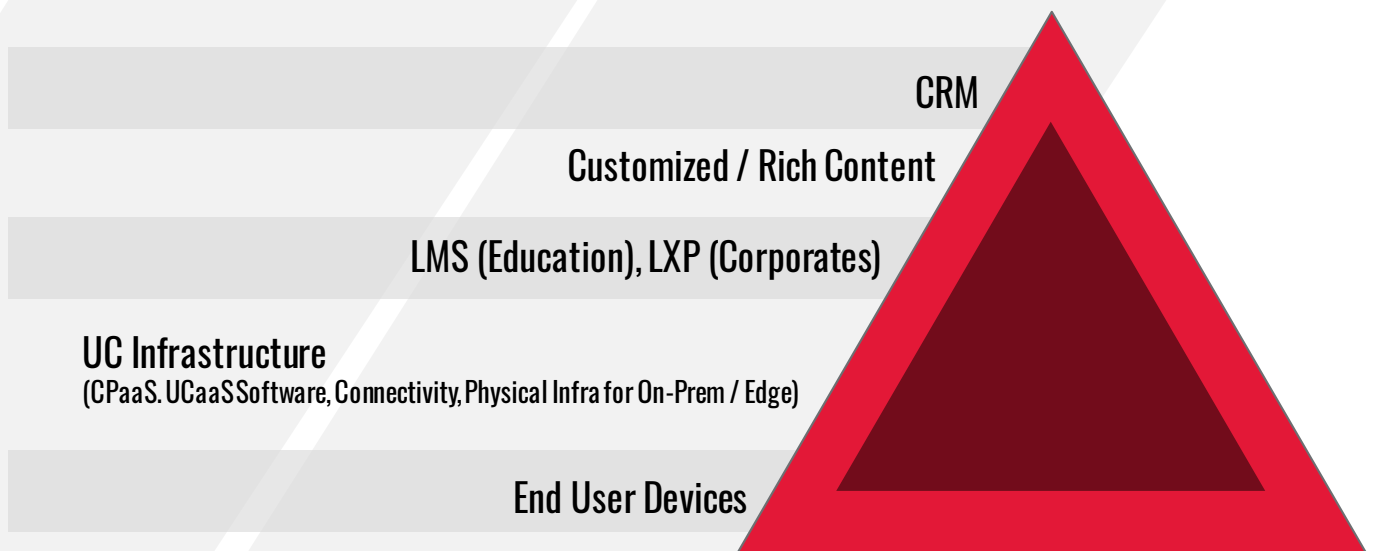
Intelligent Immersive learning using AR/MR enabled live class with AI assisted learning.

-  AR/VR/MR Live class.
-  Gamification learning
-  Virtual Tutor
-  Real-time text/voice translation
-  360° interactive video.
-  AI assisted recommendation

# Digital Transformation in Education / Learning



## Solution Stack



Pre-integrated production ready and reliable e2e digital remote education solution. Solutions enabled through partnerships and alliances with industry leading technology providers Complete Turn-key Technology solution provider from connectivity, devices, content, digital solutions, set of services ranging from system integration, network deployment, Application engineering and Security.

## Tech Mahindra Advantage

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Create & Share Instructional content.



Collaborative learning.



Conduct remote classes



Recommend Best Learning material



Holographic virtual Tutor



Train using AR/VR/MR and 360° interactive content



Faster access



### INTEGRATED ENGINEERING SOLUTIONS (IES)

Is a Connected Engineering Solutions business unit of Tech Mahindra. At Integrated Engineering Solutions, customers are at the core of every innovation. We align Technology, Businesses and Customers through innovative frameworks. We deliver future-ready digital convergence solutions across Aerospace and Defense, Automotive, Industrial Equipment, Transportation, Consumer Products, Energy and Utilities, Healthcare and Hi-Tech products. Our 'Connected' solutions are designed to be platform agnostic, scalable, flexible, modular and leverage emerging technologies like Networking, Mobility, Analytics, Cloud, Security, Social and Sensors, that enable launching of smart products and deliver unique connected consumer experiences, weaving a connected world. Coupled with this, our strong capabilities in Electronics, Mechatronics and Mechanical Engineering along with domain understanding and product knowledge, bring excellence to the entire lifecycle of these connected ecosystems.



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