MEDISIM VR

THE FUTURE OF HEALTHCARE TRAINING

TABLE OF CONTENTS

About Us

What We Do

We deliver VR-based skill training and clinical solutions to drive better patient outcomes.

Our Mission

Bringing streamlined healthcare training protocols for all healthcare professionals.

Resident company

Johnson & Johnson INNOVATION | JLABS

Research & Incubation

IIT Madras

Story So Far

2018

Inception

MEDISIMVR

2019

Incubation - R&D

IIT Madras

2019

Promising startup
Represented India

UMASS BOSTON

Massachusetts Institute of Technology

2020

Resident company

Johnson & Johnson INNOVATION | JLABS

2021

Institutional Partner
Validation & testing

Hartford HealthCare
Center for Education, Simulation & Innovation

2022

Patented Technology
& Market Entry

INTELLECTUAL PROPERTY PATENTED

2023

Central Govt Partnership

Healthcare Sector Skill Council

2024

Achieved $1 Mn Revenue
8,000+ Userbase

1 MILLION 1000000

The Problem

‘Poor skill training across segments in the healthcare ecosystem – due to inadequate access & outdated training methodology’

World Health Organization

70%

Untrained primary healthcare providers

10 Mn

Healthcare provider shortage by 2030

Why?

Poor healthcare training facility

Annual Cost of Error

$2.3 BN

The annual cost of medical error due to a lack of technical competence

’It is best for medical residents to be trained via VR tools before attempting real-life interventions on patients’

American Board of Internal Medicine®

MSVR Solution

VR/AR-based medical simulation platform to simulate medical scenarios for training & education purposes.

We cover the essential skills required for all healthcare providers, from basic patient assessment to more complex procedures.


MEDISIM VR

Scientific Evidence

"230% improvement over traditional training methods"

Harvard Business Review

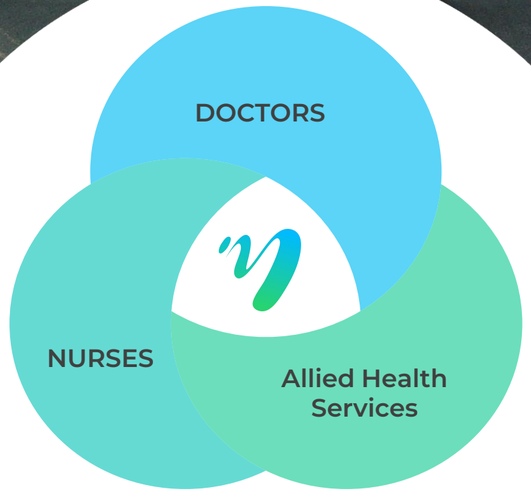
Forbes

"Replicates a clinical scenario better than high-fidelity manikin-based simulation"

"Training time was 4X faster for VR learners"

"70% cost reduction in comparison to traditional manikin-based simulation"

VR Training | SaaS



Zero CAPEX to the institution

Used by students from multiple streams

Student subscription covers both software & Infra

Collaborative feature enables multi-user training

Market Drivers

PANDEMIC

राष्ट्रीय आयुर्विज्ञान आयोग
National Medical Commission

nirf

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
NAAC
EXCELLENCE • CREDIBILITY • RELEVANCE

COVID

Huge government spending on the healthcare training

Major thrust on skilling and increasing workforce

NMC MANDATE

All colleges must have a simulation lab

Students must have certifiable competency in skills

CERTIFYING BODIES

Certifying bodies insist on the innovative training

Institutions cannot function without NAAC & NIRF clearance.

India plans to add 75,000 medical seats over the next five years and establish 100 new medical colleges by 2027.

Market Leaders

8,000+

Users Trained

100+

Training Modules

100,000+

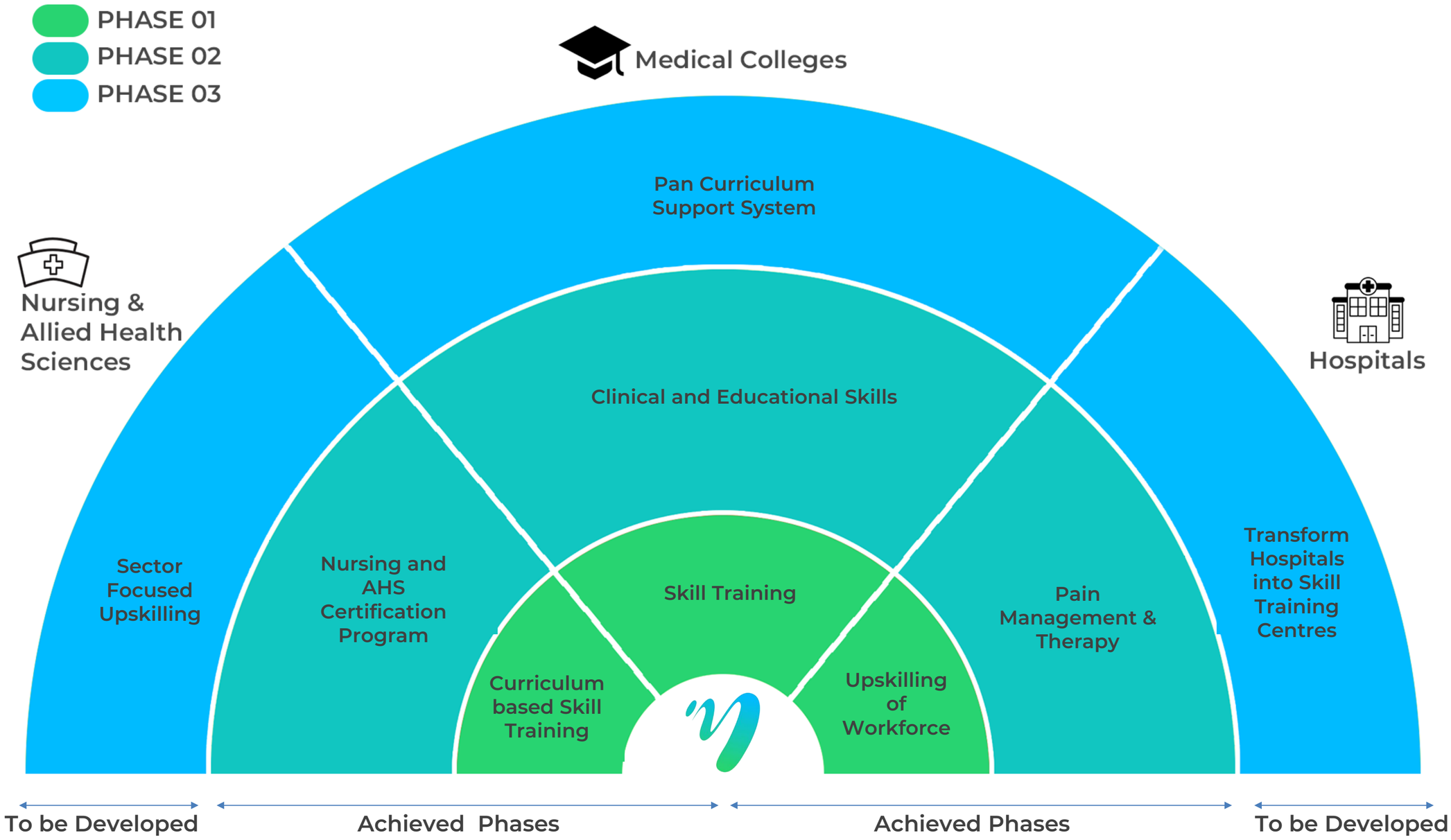
Hours of Simulation

Students feel

92%

More confident than traditional training method

Product Expansion Plan



Our Labs Across India

Sri Ramachandra Institute of Higher Education and Research, Chennai

Healthcare Skill Sector Council, Delhi

KD Institute of Nursing, Ahmedabad

Pondicherry Institute of Medical Sciences, Pondicherry

St Peters Institute of Medical Sciences and Research, Hosur

Karpaga Vinayaga Institute of Medical Sciences and Research center, Chennai

MSVR SKILL LAB : Link

VR/AR Training Partner for Govt of India

MediSim VR in partnership with Central Government's **Healthcare Sector Skill Council (HSSC)** launched **India's 1st VR Centre of Excellence (CoE).**

1st of 8 centers is currently in Delhi, India.

Focused on training 100,000 healthcare providers across segments.

- MEDICAL
- NURSING
- AHS
- TRAINING OF TRAINERS
- CERTIFICATION PROGRAMS
- OTHERS

Healthcare Sector Skill Council

50% of medical colleges in India are Govt. owned

Customers and Collaboration

Center for Education, Simulation & Innovation

Hartford HealthCare
Hartford Hospital ,USA

Johnson & Johnson INNOVATION | JLABS

IIT MADRAS

AIIMS
All India Institute Of Medical Sciences

Ranked as Top 1 Medical Institute in India

HULL YORK MEDICAL SCHOOL

Healthcare Sector Skill Council
Govt. of India

SRI RAMACHANDRA
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Category - I Deemed to be University) Porur, Chennai

kauvery hospital

MANIPAL
ACADEMY of HIGHER EDUCATION
(Deemed to be University under Section 3 of the UGC Act, 1956)

विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF
SCIENCE & TECHNOLOGY

NITTE (Deemed to be University) | K S HEGDE MEDICAL ACADEMY

Customers and Collaboration

And many more....

Marquee Partnerships 2025

All India Institute of Medical Sciences (AIIMS), Delhi: Transforming Medical Education Through Advanced Simulation Technology

MediSim VR has collaborated with AIIMS Delhi to integrate VR simulation into government medical education. The collaboration includes joint research, co-developed modules, and plans to scale to eight or more AIIMS campuses nationwide by year-end.

Hull York Medical School & MediSim VR: Forging International Excellence in Medical Simulation Education

MediSim VR has partnered with Hull York Medical School to co-develop custom VR simulation content for medical institutions in the UK and India. By managing HYMS's simulation lab, MSVR will provide consistent skill training, enable joint research, and facilitate faculty exchange programs by late 2025.

Collaborations 2025

MediSim VR and Apollo Simulation Centre Announce Strategic Partnership

MediSim VR has entered into a strategic partnership with Apollo Simulation Centre (ASC) to work with medical and nursing institutions across India. By combining ASC's expertise in simulation training with MSVR's immersive virtual reality platform, we aim to empower students and institutions with innovative learning solutions that make clinical training more effective, accessible, and future-ready.

MediSim VR Partners with ASPiH to Showcase the Future of Healthcare Training

At ASPiH India 2025, MediSim VR joined forces with the Association for Simulated Practice in Healthcare (ASPiH) to showcase how VR technology is reshaping clinical education in India. MSVR highlighted how immersive and scalable simulation tools can transform training for medical and nursing institutions.

Why Clients Like Us

Immersive real-world experience

Non-static, fully interactive & safe training environments

Diverse scenarios

Includes emergency scenarios & branched outcomes for each skill

Collaborative training

Users from different countries log in & train together on the same environment

Testimonials

Dr. Garima Savalya,
Chief Medical Administrator

“MediSim VR is more than just a technology partner, they’ve become an integral part of our training ecosystem. Their VR platform ensures nursing students master clinical guidelines step-by-step, building critical skills before interacting with real patients.”

KD Hospital™
કુસુમ વીરજલાલ હોસ્પિટલ

Dr. K. Balaji Singh,
Dean

“Our collaboration with MediSim VR demonstrates our commitment to innovation in medical education. This partnership equips students with the skills to face future challenges and transform healthcare delivery.”

SRI RAMACHANDRA
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Category - I Deemed to be University) Porur, Chennai

Dr. Lasya Thambidurai,
Managing Partner

“ VR and augmented reality are becoming essential in medical education. At St. Peter’s, MediSim VR has revolutionized how we train students, making VR simulation a mandatory part of our curriculum.”

St. PETER’S
MEDICAL COLLEGE, HOSPITAL AND RESEARCH INSTITUTE

In The News

Forbes Middle East

Dr. Adith Chinnaswami Charts the Future of Medical Training with VR at Forbes Healthcare Leaders Summit

Forbes | September 2024

Bloomberg

Opinion | Andy Mukherjee

Bengaluru Reads Your X-Ray. Chennai May Train Your Doctor

India's entrepreneurs are creating specialized software products in the hope of taking them global.

the quint

'Virtual Reality Will Help Us Enhance Our Medical Training'

THE WEEK

MediSim VR wins Large-Scale Adoption of Virtual Reality as A Part of the Curriculum

The Washington Post

FINANCIAL EXPRESS
Read to Lead

World Finance News

moneycontrol

ET Healthworld.com
From The Economic Times

ET
Economic Times.com

XR TODAY

YOURSTORY

The Daily Guardian
epaper.thedailyguardian.com
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HEALING INDIA, POWERING THE WORLD: AI AND VR ARE RESHAPING HEALTHCARE UNDER PM MODI'S VISION

OPINION

DR ANIL AGRAWAL & SABARISH CHANDRASEKARAN

India stands today at the cusp of a technological renaissance in healthcare. With visionary leadership, bold investments, and policy reforms driving innovation, Artificial Intelligence (AI) and Virtual Reality (VR) are no longer futuristic concepts — they are active forces transforming how India diagnoses, treats, and teaches medicine.

Under the leadership of Prime Minister Narendra Modi, the government has placed technology at the core of India's development journey, ensuring that AI becomes a public good — inclusive, impactful, and indigenous. The Union Budget 2025's allocation for AI-driven digital health, the accelerated rollout of BharatNet to boost rural digital access, and the continued emphasis on National Digital Health Mission (NDHM) are just a few examples of how the Modi government is laying down the building blocks for a tech-enabled, people-first healthcare system. But what does this mean in practice?

REIMAGINING MEDICAL EDUCATION WITH VR

India produces over 1.5 million healthcare professionals every year, yet there remains a gap in clinical readiness — especially in high-pressure, real-world situations. This is where Virtual Reality (VR) steps in as a game changer.

With VR-driven learning platforms, future doctors and nurses can train in hyper-realistic simulations — from performing emergency procedures to managing trauma cases — without putting a single patient at risk. These AI-powered systems offer standardized, scalable, and immersive training that bridges the urban-rural skill divide and levels the playing field for learners across geographies.

At a time when India faces a shortage of skilled healthcare workers, particularly in underserved regions, VR medical education is not just innovation — it is necessity.

AI: FROM PREDICTION TO PRECISION

AI's growing relevance in Indian healthcare is undeniable. During the pandemic, AI tools were deployed to forecast outbreaks. Today, they are being used for diagnostics, radiology, oncology, drug discovery, remote consultations, and even surgery planning.

Globally, AI systems have demonstrated their ability to reduce diagnostic errors, enable faster clinical decisions, and enhance resource optimization — exactly what a country like India needs, where every second saved can be a life saved.

What's more, with NDHM creating linked digital health records, India is generating massive, structured datasets. These form the perfect ecosystem for training AI models suited to India's unique disease burden, language diversity, and patient behaviour.

INDIA AS THE GLOBAL HUB FOR MEDTECH AND VR INNOVATION

India is no longer just adopting technology — we are building it, scaling it, and exporting it.

The global demand for affordable, high-quality VR simulation and AI-based medical education tools is rising fast. As countries face growing shortages of healthcare workers, India can become the world's training lab, supplying both the hardware and software for immersive, tech-led medical education.

With government support for digital skilling, R&D incubation, regulatory ease, and innovation sandboxes, the foundation is already in place.

Thanks to initiatives like "Make in India", "Digital India", and "Startup India", Indian companies are now well-positioned to create globally competitive products—affordable, accessible, and designed for emerging economy challenges.

With government support for digital skilling, R&D incubation, regulatory ease, and innovation sandboxes, the foundation is already in place.

THE ROAD AHEAD: SYNERGY, POLICY & SCALE

India's AI transformation in healthcare will not be led by one sector alone. It will require government policy, private innovation, academic partnerships, and public awareness to move in sync.

The ICMR's guidelines on AI in healthcare and the National Strategy for Artificial Intelligence (NSAI) are important policy steps — but implementation must accelerate.

- Ethical use, data protection, and patient safety must go hand-in-hand with speed.
- More pilot programs must be tested in public medical institutions.
- Curriculum reform for AI literacy in medical colleges is critical.

We must also create a narrative of trust — educating patients, doctors, and regulators like that AI is not replacing healthcare professionals — it's empowering them.

CONCLUSION: HEALING INDIA, LEADING THE WORLD

The Modi government's vision for a Viksit Bharat by 2047 is incomplete without a resilient, inclusive, and tech-driven healthcare ecosystem. AI and VR are not futuristic add-ons — they are the essential operating systems of tomorrow's healthcare. India has the talent. We have the tech. We have political will. Now, we must bring them together — with speed, scale, and purpose. If we do this right, India won't just heal its own — it will train, supply, and lead the world.

Dr Anil Agrawal, Chancellor of HRIT University, and former Member of Parliament, Rajya Sabha
Sabarish Chandrasekaran, CEO and Co-Founder, MediSim VR

India's AI revolution: Charting path for Viksit Bharat in healthcare, education

OPINION

DR KIRIT P. SOLANKI AND SABARISH CHANDRASEKARAN

In the pursuit of a Viksit Bharat—an empowered, developed India by 2047—technology is both a cornerstone and a catalyst. Guided by Prime Minister Narendra Modi's vision, India's government is not simply embracing Artificial Intelligence (AI), it is democratizing it, making advanced technology accessible to every citizen and sector. The IndiaAI mission stands testament to this ambition, with targeted interventions grounded in accountability, safety, fairness, and the unwavering protection of human rights and privacy.

BUILDING INDIA'S AI FOUNDATIONS

India's bold initiative to develop indigenous Large and Small Language Models, uniquely trained on Indian datasets, is pivotal. These foundational models are designed to decode not just the words, but the rich contexts, dialects, and cultural nuances across healthcare, education, agriculture, climate, and governance. Leading homegrown AI startups—Sarvam AI, Soket AI, Gnani AI, and Gan AI—are on the frontline, promising models that will be open source, fueling India's vibrant startup ecosystem and ensuring innovations remain India-centric.

SAFE, SCALABLE SOLUTIONS

Central to this mission is the development of high-end AI infrastructure—massive GPU capacity to support research at scale, while the AIKosh datasets platform curates over 1,000 India-specific datasets and 200+ AI models. These resources are not just numbers: they are the backbone for inclusive solutions in health (such as AI-driven diagnosis of brain lesions), agriculture (Kisan Call Centre data powering farm advisories), and education (multilingual Text-to-Speech in Indian languages). By ensuring privacy safeguards at every step, the mission ensures innovation without compromising citizens' rights.

THE NEXT FRONTIER

India stands at the cusp of revolutionizing medical and healthcare education via AI. From adaptive learning platforms personalizing content for students in every corner of the country, to virtual and augmented reality simulators for training doctors and nurses with real-life precision. The fruits are tangible—increased pass rates in medical licensing exams, more informed health workers, and rural clinics empowered by AI-driven diagnostic support.

Equally transformative is AI's potential in real-time language translation and content contextualization, making world-class resources available in Indian languages—a true democratization of knowledge.

PUBLIC-PRIVATE SYNERGY

More than 30 AI-driven public interest applications, ranging from governance to climate, receive direct support under India AI. The IndiaAI Startups Global program, in collaboration with institutions like Station F and HEC Paris, is empowering Indian startups—PrivaSapien Technologies and Secure Blink among them—on the world stage, emphasizing cybersecurity and privacy.

India's approach to AI regulation is unique—a techno-legal model that balances innovation and protection. The establishment of the IndiaAI Safety Institute, stakeholder-inclusive frameworks for Responsible AI, and robust legal provisions under the IT Act, Bharatiya Nyay Sanhita, Digital Personal Data Protection Act, and IT Rules ensure that deepfakes, misinformation, and abuse are proactively curbed, not just reactively penalized. Investment in R&D at IITs further strengthens tools for deepfake detection, privacy, and cybersecurity.

India's strategy isn't just to legislate, but to innovate and set global benchmarks—an approach now recognized as India co-chairs the AI Action Summit and hosts the AI Impact Summit in February 2026.

CONCLUSION

India's journey in AI is more than narratives of technological catch-up—it's a story of responsible leadership, inclusivity, and global aspiration. By marrying policy with pragmatic innovation, and with an unwavering commitment to fairness and human rights, India is shaping AI not only as a tool for empowerment within its borders but as a beacon for the world.

As we move towards Viksit Bharat, India reaffirms that technology, when rooted in ethics and inclusion, is the true elixir for human advancement—redefining healthcare, education, and global collaboration for generations to come.

Dr Kirit P. Solanki, former Lok Sabha MP and Sabarish Chandrasekaran, CEO and Co-Founder, MediSim VR

Our Founders

Sabarish Chandrasekaran

Co-Founder, CEO

Early Adopter of VR Technology

Entrepreneur with Successful Exits

IIT Stuart School of Business

ILLINOIS INSTITUTE OF TECHNOLOGY

Dr. Adith Chinnaswami

Co-Founder, COO

General Surgeon

Minimal Access Surgery Fellowship

World Laparoscopy Hospital

INDIA UAE USA

Jeno Manickam Durairaj

Co-Founder, CTO

Game Engine Architect

Produced games with over 10 million downloads on the Google Play Store

Newcastle University

Our Advisory Board

Dr. Gianluca De Novi
Simulation Advisor
Director - Harvard Medical Simulation Lab

Dr. Bimaljit Sandhu
Medical Advisor
Board Member, Virginia Commonwealth University Health System Authority

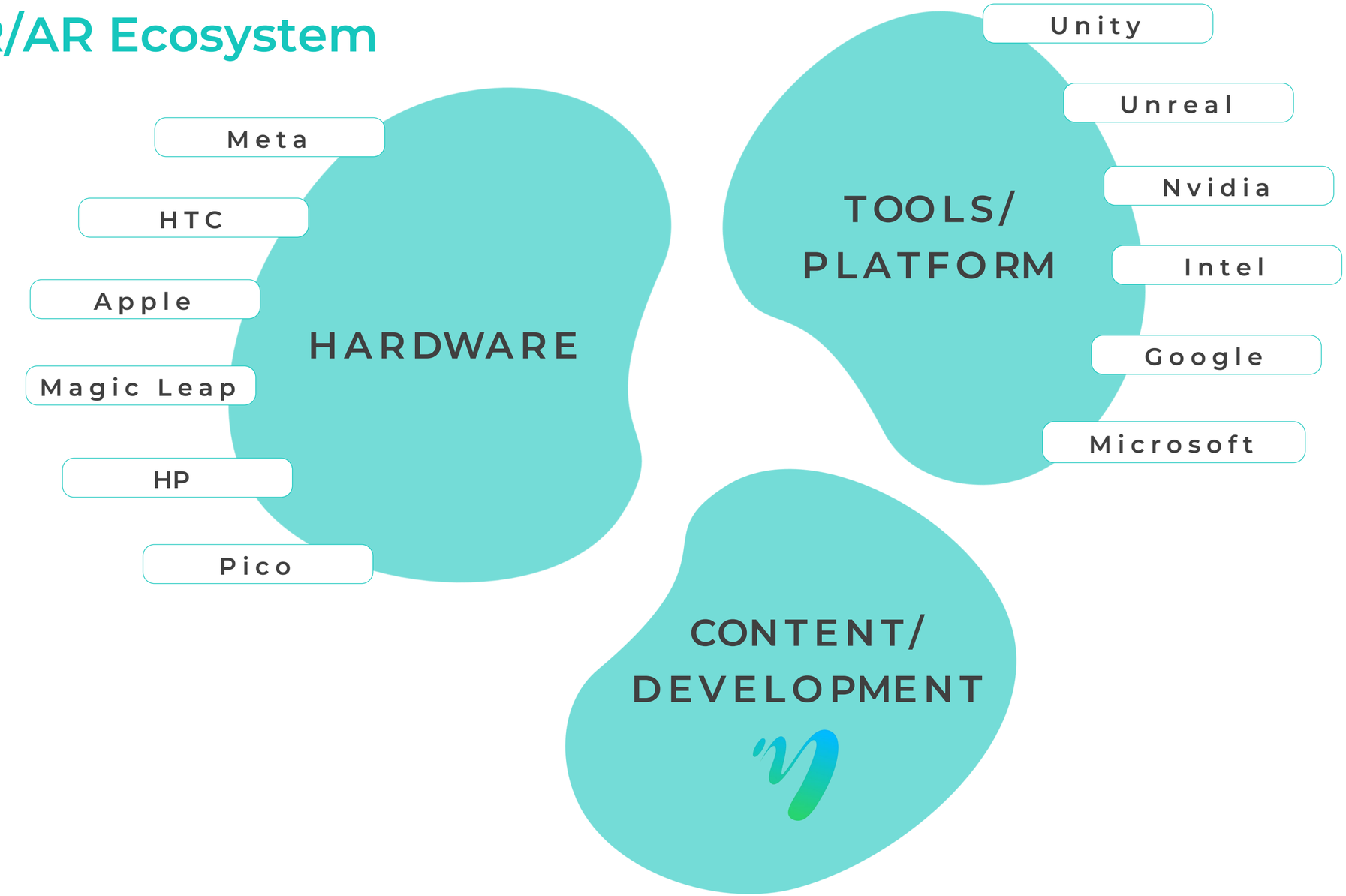
Dr. Makani Purva
Programme Advisor
Director of Medical Education, Hull York Medical School

Dr. Dinker Pai
Curriculum Advisor
Simulation Expert - Ex CAE

Dr. Sharmila
Skilling Advisor
Social Entrepreneur. Featured in Forbes.
GE Healthcare & TATA Trust

Dr. Malav S Trivedi., FRSB.
Scientific Advisor
Faculty- NSU's Barry and Judy Silverman College of Pharmacy

VR/AR Ecosystem



A compelling VR/AR content is the missing piece of the puzzle. We have succeeded in that area by creating an active medical universe of the metaverse

Market Size

The Global VR/AR Healthcare Market is projected to grow 10x to

$ 30.40 billion by 2026

Total Addressable Market:
Global VR/AR Healthcare Simulation Market

Serviceable Available Market: Global
Undergrad Simulation Market

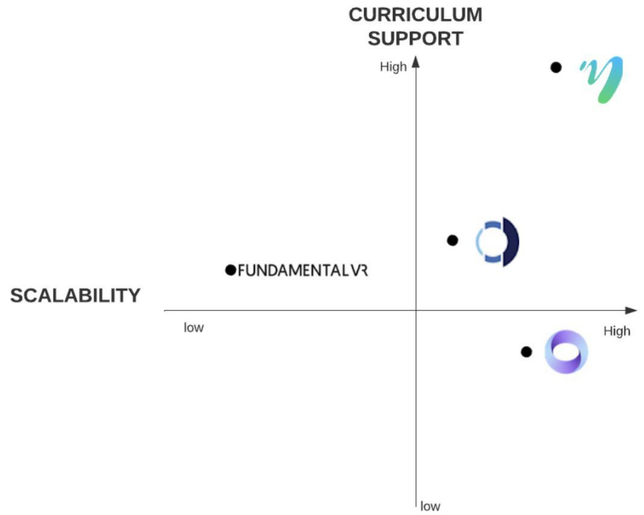
Services Obtainable Market:
Southeast Asian Undergrad Simulation Market

> **$5 Trillion - Commerce in the VR/AR eco-system - by 2030**
>
> -McKinsey

Competitor Analysis

	OSSO VR	FUNDAMENTAL VR	MEDISIM VR	Oxford Medical Simulation
Year of Incorporation	2016	2012	2018	2017
Company base	USA	USA	INDIA	UK
Company focus	Surgical Training	Orthopaedic Training	Grassroot level training for the entire healthcare ecosystem	Nursing specialities and procedures
Market focus	North American	North American	India, South East Asia, MENA	UK and USA
Target Audience	Surgical Specialities	Orthopaedic Surgeons	UG Medical Students UG Nursing Students & Staff Allied healthcare professionals Hospitals	Nursing
Fund raised	$ 109.2 M	$ 34.6 M		

Competitors	Solutions offered
OSSO VR	Designed for surgical trainees based in the US with a market focus on improving surgical skills & proficiency
Fundamental VR	Orthopedic Training solution predominantly to Orthopedic Surgeons based in North America
Oxford Medical Simulation	For nursing students & staff to practice & refine their clinical abilities in realistic patient scenarios. Focused on UK and USA.

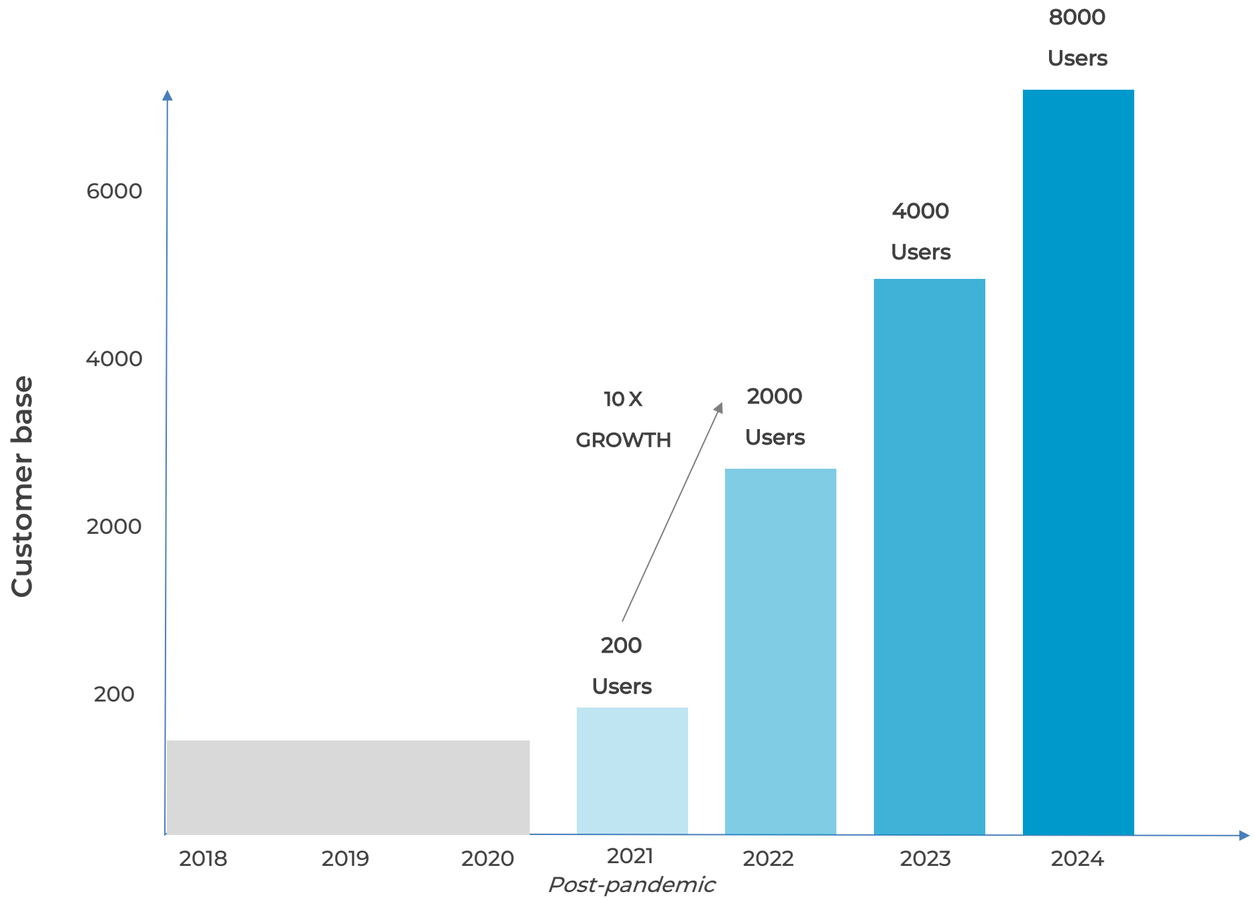


Competitor Analysis

	OSSO VR	FUNDAMENTAL VR	MEDISIM VR	Oxford Medical Simulation
*Surgical training	✓	✓	✗	✗
*Orthopedic training	✓	✗	✗	✗
UG skill training	✗	✗	✓	✗
UG Nursing training	✗	✗	✓	✓
VR Training Labs	✗	✗	✓	✗
High Powered Visuals	✗	✓	✓	✗
VR Station	✗	✗	✓	✗
Haptic Integration	✗	✓	✓	✗
Collaborative Learning	✓	✗	✓	✓

**Surgical training & Orthopedic surgical training are areas with smaller target market*
To be considered in future based on market demand

Traction



Achieved $ 1Mn in Revenue in 2024

We are not only building products for training, but also creating an entire eco-system for the future.

Actions Speak Volumes: Our Exponential Scaling Journey

$400 K

$800K

Research & Market study

Product development

First module completion & Sales

Market Expansion

2018 & 19

2020 & 21

2022&2023

2024

IIT Incubation

Proof of concept

M2D2 Shortlisted from India

Deshpande Grant, US

US market research

Resident company of J&J labs, Boston

Institutional partner

Beta-testing US & India

AI based performance metrics

Curriculum integration

Patent & Platform Completion

Govt. Grant Dept. of Science & technology

First sale 100 users

2000+ User base

Partner with Govt.

Int'l sale: Malaysia

Strategic Partnerships in US, MENA region, Australia

Research Publications

1 Mn Revenue

Scale up

IIT MADRAS

UMASS Massachusetts Medical DEVICE DEVELOPMENT CENTER

M2D2

Deshpande Foundation

Johnson & Johnson INNOVATION JLABS

Hartford HealthCare

AI

INTELLECTUAL PROPERTY PATENTED

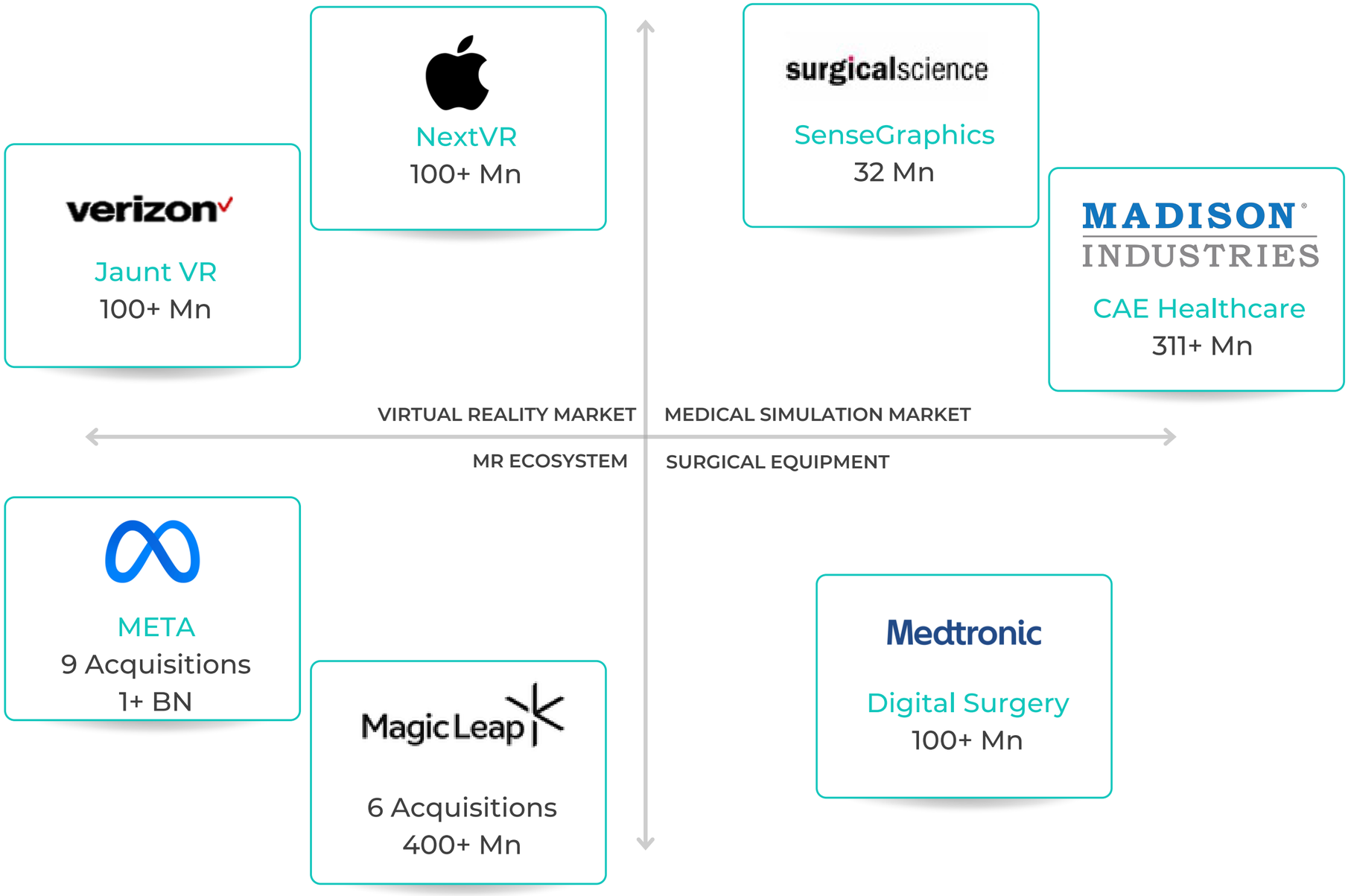
Healthcare Sector Skill Council

1+ MILLION 1000000 Revenue

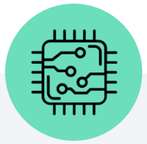
'No competitors in India. Rapidly scaling up to dominate the market'

Technology	Research	Content	Business	Market Access
M	**O**	**A**		**T**
Deep Tech VR built by world class VR Game engine architect 1 Patent. 3 Pending	420+ medical specific movements programmed into the simulation 3 years research head-start	60+ procedures in our repertoire – development time for new content reduced exponentially Rapid content development	Trusted partner for the Govt. & top medical institutions in the country Leader in the Indian market with 3000+ users	1st Indian company to become a Resident company of Johnson & Johnson Innovation labs, US. Strong partner pipeline in SE Asia

Exit Scenarios



Why Now

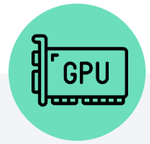


Thriving VR/AR headset market

Meta, Apple, Microsoft & Sony launched VR headset. Avg. prices reduced from $1200 - $400 in last 3 Yrs

Reliable 5G Connectivity

5G enables remote training, robotic surgery, collaborative experience & metaverse



Huge leap in graphic capability

Over 90% of the graphics card launched after 2022 are VR ready

The All-Access Healthcare Innovation is Here.

info@medisimvr.com
Medisim VR website
Medisim VR Linkedin

Appendix 1:

Media

LINK — Our research paper wins ‘First Recorded Large-Scale Adoption of Virtual Reality as Part of the Curriculum’ at S3 conference in Singapore *-The Week*

LINK — MediSim VR Wins Start-up of The Year Award at TANCARE 2022 *- The Week*

LINK — With over 2000 students, MediSim VR, an Indian software firm is emerging as a serious player in VR-based healthcare training *- Bloomberg*

LINK — How a Chennai firm is training India’s future doctors through Virtual Reality *- Economic Times*

Publishing

LINK — First Recorded Large-Scale Adoption of Virtual Reality as a Part of Curriculum

LINK — Medical Students' And Residents' Perception Of A Virtual Reality Training Module On Urethral Catheterization: A Pilot Study

LINK — Virtual Reality Simulation for the Acquisition and Retention of Electrocardiogram Interpretation Skills

A Glimpse of our modules

India's first automated VR Lab

User Testimonial