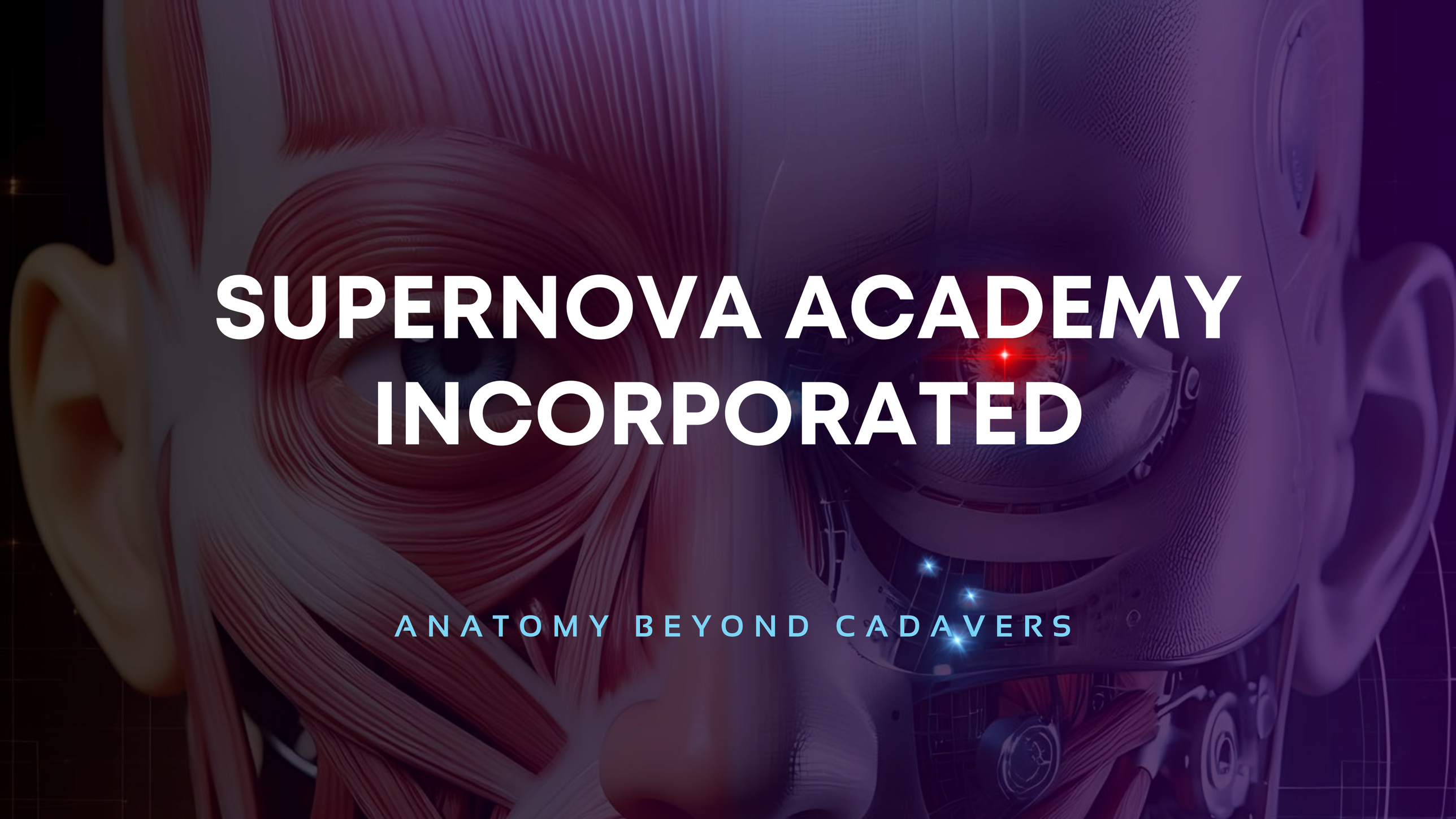

SUPERNOVA ACADEMY
INCORPORATED
ANATOMY BEYOND CADAVERS

Problem

In the **$60 billion** medical education market, traditional content is **obsolete, inefficient and expensive,** with limited access to cadavers, and surgical practice leading to **increased mortality**

4.3 million additional physicians needed globally by 2034

SUPERNOVA ACADEMY INC

Solution

Supernova alleviates the physician shortage by combining **AI-driven adaptive learning, AR-based 3D visualization, and VR-powered simulations** with **virtual collaboration** to ensure impactful, timely and accessible education and help save lives.

4 Physicians average number for 10,000 people

Value Proposition

Our platform has been **meticulously** developed to allow medical students to study with **laser focus** and perfect **complex surgical procedures** and improve patient outcomes.

Without our solution

- Access: **Limited seats** in medical colleges
- Cost: **High Cost** of tuition and material costs
- **Limited access** to **cadavers** and labs
- Engagement: Passive, **lecture-based learning** dominates
- Resources: Outdated textbooks
- Minimal integration of **technology**
- Assessment: One-size-fits-all exams
- Faculty Bandwidth: Overloaded instructors

With our solution

- **AI-Generated** Adaptive Learning Personalized question banks, USMLE prep, performance analytics.
- 3D & AR-Based Anatomy Labs
- **High-fidelity** virtual dissections without cadavers.
- VR Clinical Simulations Realistic, **immersive** patient interactions to practice clinical reasoning
- Upload-and-Learn Engine Students can upload textbooks and generate **unlimited questions** instantly.
- Mobile & Low-Bandwidth Optimized Accessible to students in underserved regions.
- **Scalable** for Institutions Faculty dashboards, curriculum integration, and remote assessments.

How it works

Medical students can easily **acquire** knowledge and perform **complex surgical procedures virtually**

Access platform

1

AI Video Lectures + 3D Desktop Anatomy Software + Workbooks + Qbank

Study

2

Study anatomy and physiology by accessing the workbooks with QR codes linked with the specific video(s).

Practice

3

Access 3D software and case studies and Qbank to practice and improve performance

25% enhancement in efficiency

20% Reduction in cost

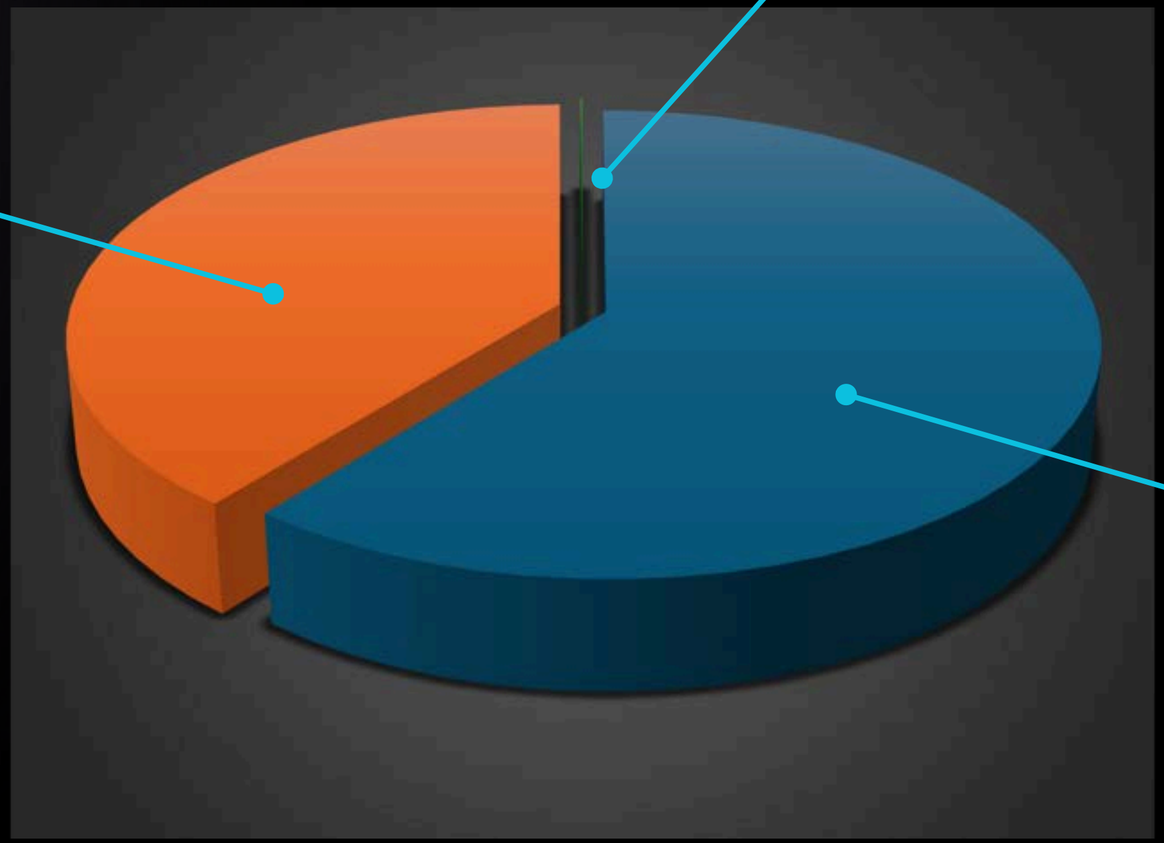
Traction

We have a baseline product, **5 engaged medical universities,** participated in 3 accelerator programs and over **100 interviews conducted** with key stakeholders

Market size

Our initial entry, or beachhead is **$150 million** market adressing the communities grappling with the **most physician shortage**

Our technology has the potential to serve **$60 billion** global online market



With our continued success, we expect to expand into the **$ 93 Billion** global online education market

SUPERNOVA ACADEMY INC
ANATOMY BEYOND AGAVERS

Team

We have proven experience in **innovative** and **interactive content,** curriculum **customization** and **globalization**

Irfan Khan
CEO and Founder
Educator and Visionary – Program Management Professional, product development and process improvement practitioner
Co-founder Project Mgmt Knowledge Academy
Thousand Oaks, California

UCLA Cal State Fullerton
Zodiac Aerospace
Crane Aerospace & Electronics

Bill Meyer
Sr Director, Public Relations & Communications
PR / Media Relations & Brand Strategist , Writer
Claremont, California

Dr. Malika Bendali Braham
CMO (Chief Medical Officer)
Healthcare Development Devotee
Project IMG Algeria Ambassador
Medea, Algeria

Priyanjali Sharma
Regional Managing Director, Europe
Med-Student | Entrepreneur | Co-founder of PRASHA organisation || Founder & CEO of TAOC | Public Speaker| Director of Strategic Partnerships

Fahd Kakakhel
CEO & Founder
Founder Consultant @ PHC | Healthcare Frameworks | Strategic Partnerships | Transformative Growth | Innovative Solutions

Manickya Dumpala
CTO
Strong leader and problem-solver dedicated to streamlining operations to decrease costs and promote organizational efficiency to positively impact company success
San Francisco, California

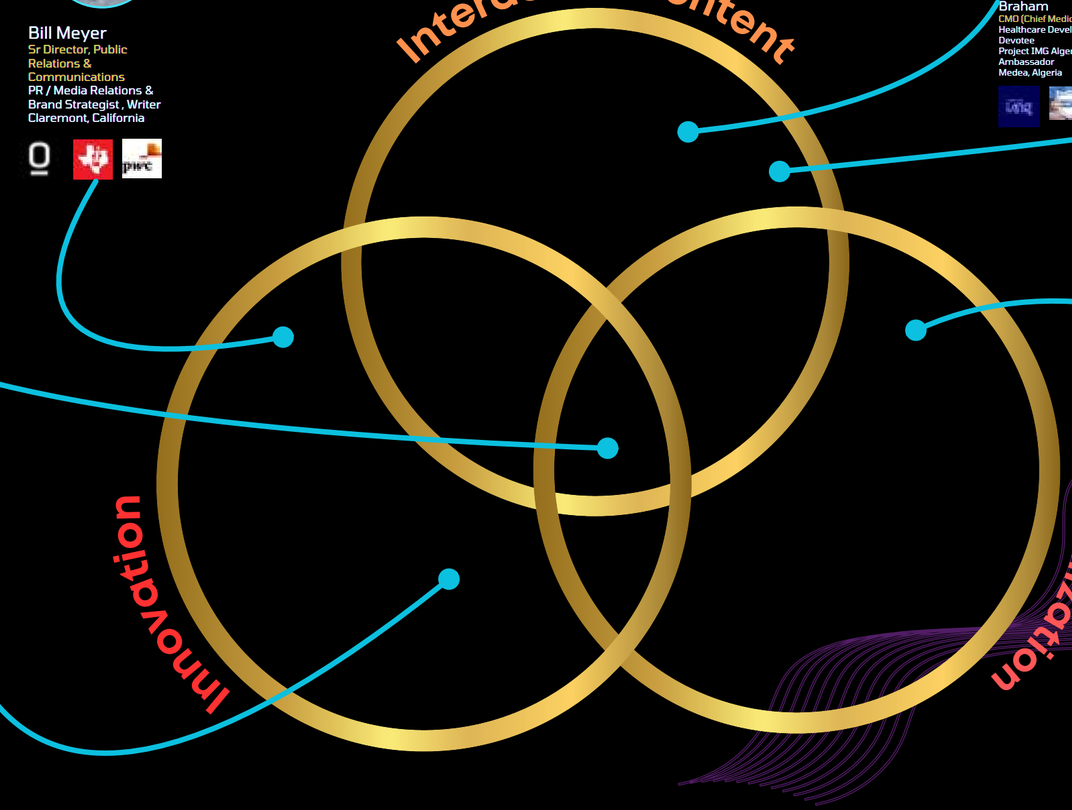
Wharton Executive Education
US bank benevity

Ursala Waqar
CEO & Cofounder
Operations
Strategy
Global Outreach

HETRIC

Nashwa Qureshi
COO & Cofounder
Business Development
Client Engagement
Cross-Border Partnerships

HETRIC



Competitive Advantages

	Curriculum based on global standards	Anatomy 3D Desktop Software	Virtual Dissection	AI powered video lectures	Smart workbooks	Customizable question bank
SUPERNOVA ACADEMY INC	✓	✓	✓	✓	✓	✓
ELSEVIER	✗	✓	✗	✗	✓	✓
lecturio	✗	✗	✗	✗	✓	✓
KAPLAN	✗	✗	✗	✗	✗	✓

Funding

We are seeking $1.5M in pre-seed funding to **transition our technology** from **MVP** to **usable** product at medical universities

Use of Funds

$600K Product Development
$350 Sales and Marketing
$350K Operations and Infrastructure
$200K Testing and Validation

Outcomes

Validated product
IP Protection
Early Sales contracts
Collaborations and partnerships

What's Next?

Expand footprint
Secure additional customers
Submit for accreditation
Addtional features

We are currently participating in the HKSTP **Ideation program** with **100,000 HKD** funding and we are applying for the **1.2M HKD Incubation program** during the November 2025 window

Product roadmap

Q2 2025

PLATFORM LAUNCH

Q3 2025

PRODUCT EXPANSION - PATHOLOGIES

Q4 2025

VR INTEGRATION - QUEST 3

Q1 2026

VIRTUAL COLLABORATION

CALL TO ACTION

DEMO
PILOT PROGRAM
PRODUCT LAUNCH

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