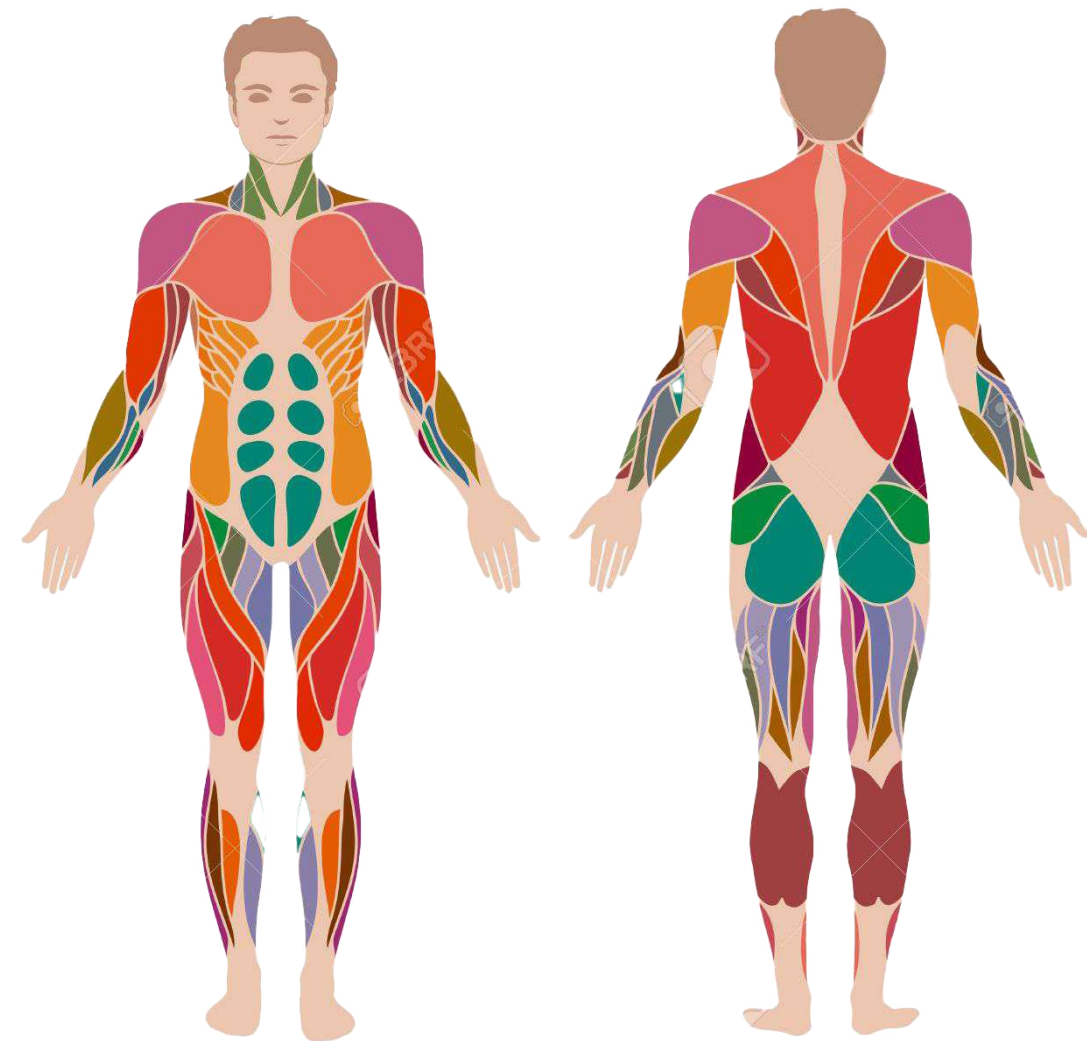




medisys.

Online and blended delivery of UG and Continuing Education for the health sector

Distinctive products and services from Medisys



- Digital teaching and learning aids to comprehensively support outcome based healthcare education.



- **Medicine:** All didactic lectures/notes, including vital references to horizontal/vertical integration elements, lab/DOAP sessions, small group discussions, skills development basics, bedside clinics, etc. Meets requirements of self directed learning. Systems to support teachers in all aspects of curriculum administration.



Medical and Allied Health Education: Context for design of Medisys products and services

Deficit of good teachers:

To meet requirements of existing colleges as well as planned expansion in certain regions (new institutions, increasing annual enrolments). Content packs and LMS that facilitate varied online blended academic sessions

Heterogeneous classrooms:

The need to provide efficient, effective remedial and supplementary education for weaker learners, in important or 'difficult to master' subjects/skills. Intensified support for assessment and practice readiness

Deficit of pedagogy for a new generation of students:

Visuals, text, speech integrated into a dynamic new composition, seamlessly connecting horizontal and vertical integration elements as also related exercises and lab sessions, etc.

Need for more consistent standards:

The teaching, learning and assessment of all that matters in colleges of different vintage, geographies and constitution. Sharp differences presently, between rural/urban, new/old and Government/private colleges (on average)

**An acute need
for accelerated
human resource
development**

Seamless transitions:

Online, campus, lab, field site and hospital – learning happens everywhere
Can an LMS and an assessment system follow you seamlessly?

Interdisciplinary learning:

Professional practice requires agile, timely, interdisciplinary exposure and study. Content design and ICT may be critical to this

Learning through deliberation and doing:

We recognise this is vital, and our SGDs, modules on clinical reasoning development are important contributions that can facilitate this

Live and up to date:

So much is changing so fast.
Is this a system geared to capture and reflect changes in laws to clinical practice, innovations, and therefore changes in curriculum promptly?

Across the spectrum, efficiency and acceleration in scaling up capacities, resilience in difficult times

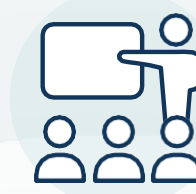
Our Purpose

Our purpose is to make an impact on learning outcomes, enrolment numbers, and costs of delivering quality medical and allied health education, particularly in underserved regions. There are innovative ways to design and package content constituted as per a curriculum, and to support most of the complex group or individual exercises and assessments that form the bedrock of the knowledge and cognitive components of medical education. The idea is to do this across the world, to reach out to geographies that have a deficit of good teachers and capital, and to fuse this aspect of our product/service design with new thinking around how the tactile components can be added via skill development centres and hospitals. The idea is also to use ICT extensively to achieve important aspects of the design objectives. Health systems in many parts of the world are in need of swift increase in qualified staff, and disruptive ideas and smart execution are very much required. MediSys represents one possibility.

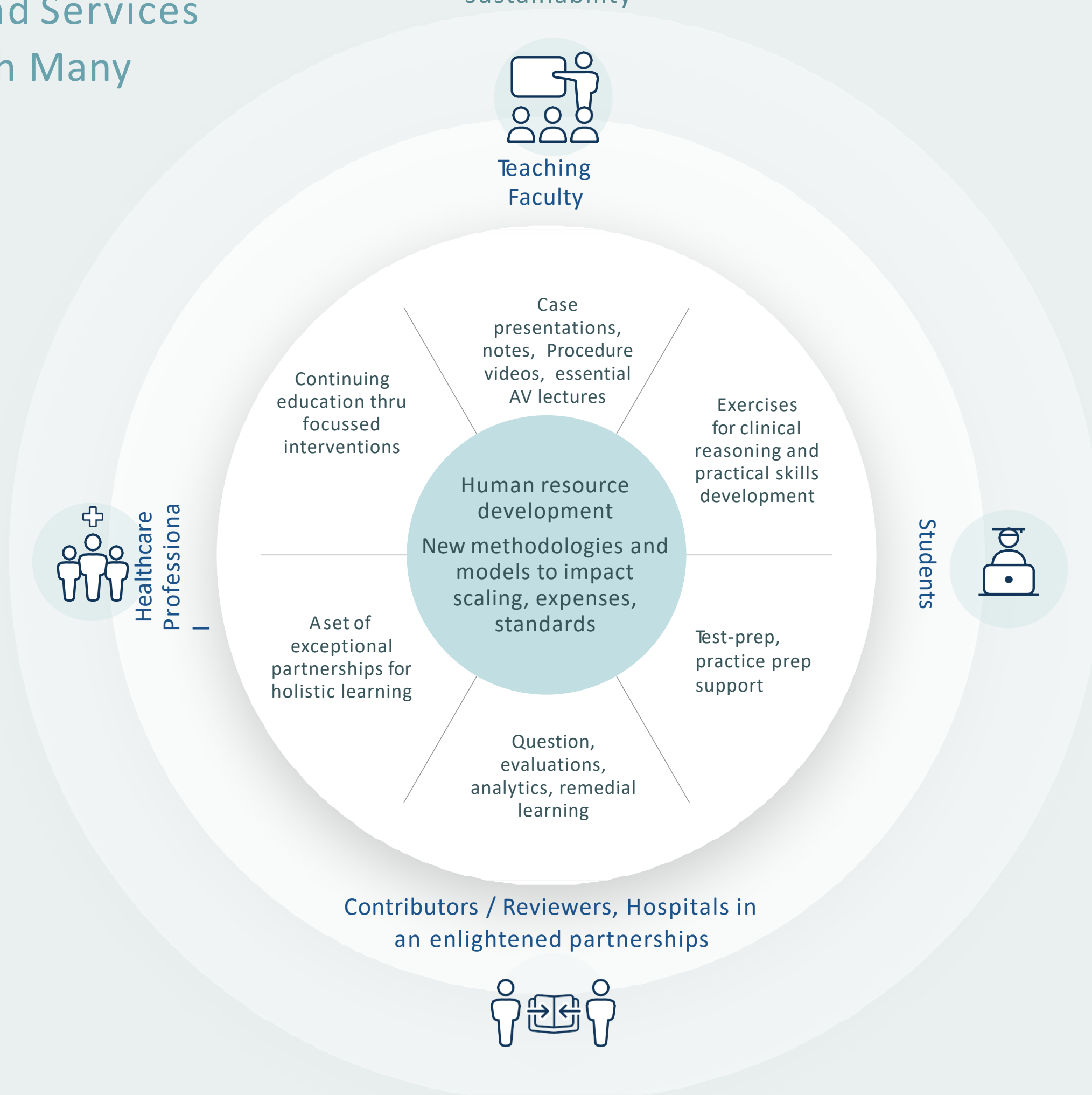
The Product

Medisys Products and Services Can Potentially Touch Many Stakeholders

For Lenders, Investors in Education:
efficiency, resilience and sustainability



Teaching Faculty



For Employers:

continuing access to well-educated and trained health workers



Healthcare Professionals

Students



For Regulators:

enhanced assurance of meeting all non-negotiable standards

Contributors / Reviewers, Hospitals in an enlightened partnerships



For Governments:

an opportunity to build an adequate healthcare workforce swiftly, inexpensively, and secure health outcomes for all



Undergraduate Education

An expanding range of undergraduate programmes covering all the subjects and course work related to all aspects of the curriculum.

An option to avail live online teaching/exercises by way of remedial/supplementary education



Continuing Medical Education

- Case intensive, practical and succinct.
- Review, refresh, update
- Courses designed for practice improvement, for better screening, surveillance and preventive care practices
- Primarily intended for op/family medicine practice.
- GP+ portfolio, with provisions for more curated learning experience

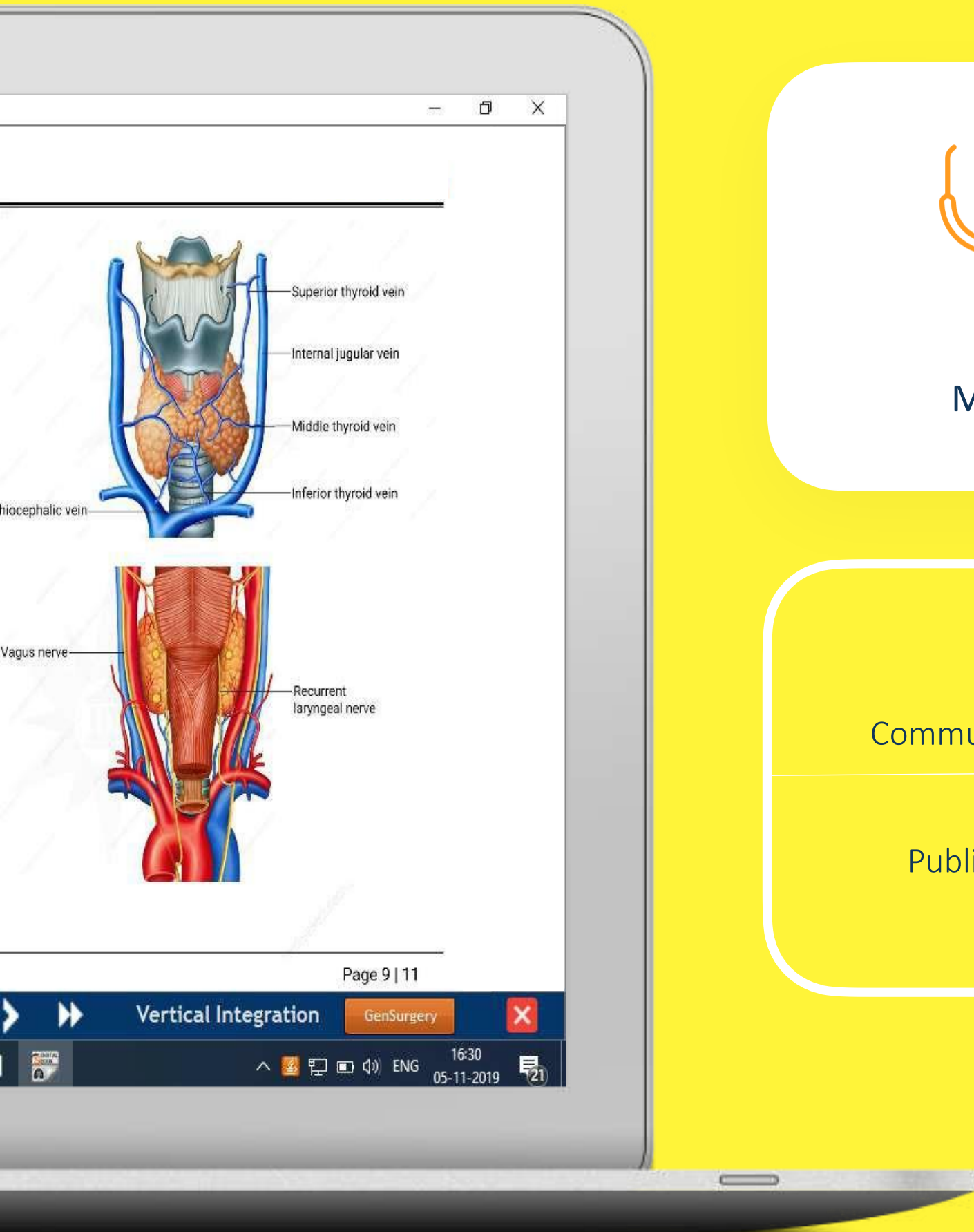


Test Prep, Assessments & Analytics





Succinct review material for exam preparation.

Condensed clinically oriented AV lectures, notes, a new set of books with a strong practice orientation, assessments and remedial education to sharpen key competencies in final year or licensing/exit exam

The Product: Undergraduate Courses



Currently Offered (UG)

 Medical	 Dental	 Nursing	 Homeopathy
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Upcoming Courses

Community Medicine	 Physiotherapy	 Ayurveda	 Pharmacy
Public Health			

Curriculum based, easy to deploy and use, richly illustrated and annotated, uniquely formatted for integrated learning

The Product: The Principal Format



Notes & Brief Explanations

Two Column Format

Range of Exhibits; Pictures, animations
Illustrations, Videos, Cases, etc.

Digital Book Demo 1.2

Deep Structures in the Neck

Histology

- Each lobe of thyroid gland is divided into various lobules by fibrous tissue septa
- Each lobule is made up of an aggregation of several follicles
- Each follicle is lined by follicular cells and parafollicular cells

Feature	Description
	<ul style="list-style-type: none"> Spherical follicles that selectively absorb iodine (as iodide ions, I⁻) from the blood for production of thyroid hormones Twenty-five percent of all the body's iodide ions are in the thyroid gland
	<p>Within the follicles, colloid serves as a reservoir of materials for thyroid hormone production and, to a lesser extent, act as a reservoir for the hormones themselves</p> <p>Colloid is rich in a protein called thyroglobulin</p>
	<p>Follicles are surrounded by a single layer of thyroid epithelial cells, which secrete T3 and T4</p> <p>When the gland is not secreting T3/T4 (inactive), the epithelial cells range from low columnar to cuboidal cells</p>
Parafollicular cells (or "C cells")	<ul style="list-style-type: none"> When active, the epithelial cells become tall columnar cells Scattered among follicular cells and in spaces between the spherical follicles is another type of thyroid cell, parafollicular cells, which secrete calcitonin.

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AV Lectures Objectives Horizontal Integration Physiology Biochemistry Vertical Integration GenSurgery

Easy access to vital teaching / learning elements to comprehensively support the online / campus teaching

For the specific competency numbered

Integration topics are succinctly presented with exhibits and text

Vertical Integration topics (Click Access)

Medisys Platform —Significant Advantages

- Universal access to standard, easy to follow teaching / learning materials, irrespective of location and context.
- Comprehensive faculty support in a classroom: notes and exhibits to cover the entire curriculum, materials and guidance to small group discussions, BSCs, assessments and analytics support; LMS and performance reports

- A greater sense of student engagement (active learning). Richly illustrated audio/visual sessions to cover all basic didactic teaching, succinct text support, labs and practical sessions for skills development, ECE modules, etc. Ideal for a new generation of students, important in lifting average performance quickly

- Swift incorporation of updates, corrections, additions. Localization / contextualization as required, Device / platform agnostic -Online delivery

Features built to support online education

Support for online teaching – Shared content helps in anchoring the online class better; fixing a framework, defining scope of coverage, time to complete a program, etc. and providing the same materials before and after the classes for revision and test prep.

Synchronous sessions (online or in campus): To clear doubts, to amplify some ideas and concepts, to run small group sessions, to conduct formative assessments, to provide feedback and mentoring.

MediSys provides all materials required for group exercises to the teacher, and sample materials to the student. Supported by guidelines and questions.

Basic didactic sessions in an asynchronous mode; students use digital books, pre-recorded lectures rich with videos, animations, line diagrams and pictures. Also comprehensive Audio-Visual lectures, lab sessions, ECE modules, etc.

Multi purpose study centres/ surrogate ways for supplementary education and training

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- Medicine, Dentistry, Nursing, Physiotherapy, Community Medicine and Public Health
- Community Medicine and Public Health
- Medical Sciences(Pre-clinical and Para clinical Sciences)
- Continuing education sessions for various health professionals
- Essential Para Medical/Vocational courses
- Test/practice prep and mock assessments.

- They primarily rely on exceptionally well-constituted e-learning packages, supported by online realtime teaching from India. Study centre labs and small group exercises are viewed online, and prepared at the centres and hospitals/field postings near the school.
- Consequently, for lower need for a full contingent of faculty/support staff at each location . Asset investments and operating costs reduce drastically.
- On the other hand, the practical rigor of the programmes, the preparedness for licentiate exams and the readiness for a career in healthcare services rise significantly.
- Education will cease to be expensive, enrollment numbers will rise and underserved communities are better off.
- These centres should supplement/complement conventional colleges, and turn into regular college as and they regulatory approvals

Thank You



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