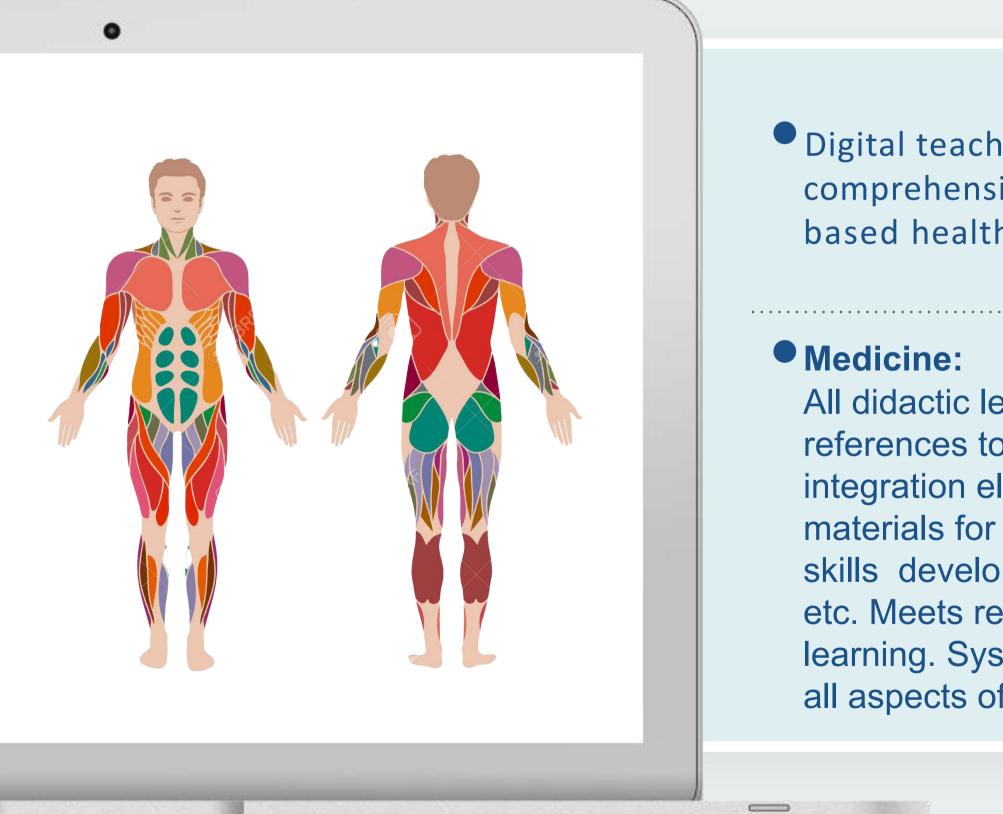




Online and blended delivery of UG and Continuing Education for the health sector Distinctive products and services from Medisys



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

All didactic lectures/notes, including vital references to horizontal/vertical integration elements, lab/DOAP sessions, materials for 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.

Seamless transitions:

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

An acute need for accelerated human resource development

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 So much Is this a s laws to c changes

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



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)

Interdisciplinary learning:

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

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 labs/skill development centres and available 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



Case presentations, notes, Procedure videos, essential Continuing AV lectures education thru focussed interventions Human resource Healthcare Professiona development New methodologies and models to impact scaling, expenses, standards Asetof exceptional partnerships for

holistic learning

Question, evaluations, analytics, remedial learning

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

For Employers:

continuing access to welleducated and trained health workers



Exercises for clinical reasoning and practical skills development

support



Students

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For Regulators:

enhanced assurance of meeting all nonnegotiable standards

The Product Portfolio



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

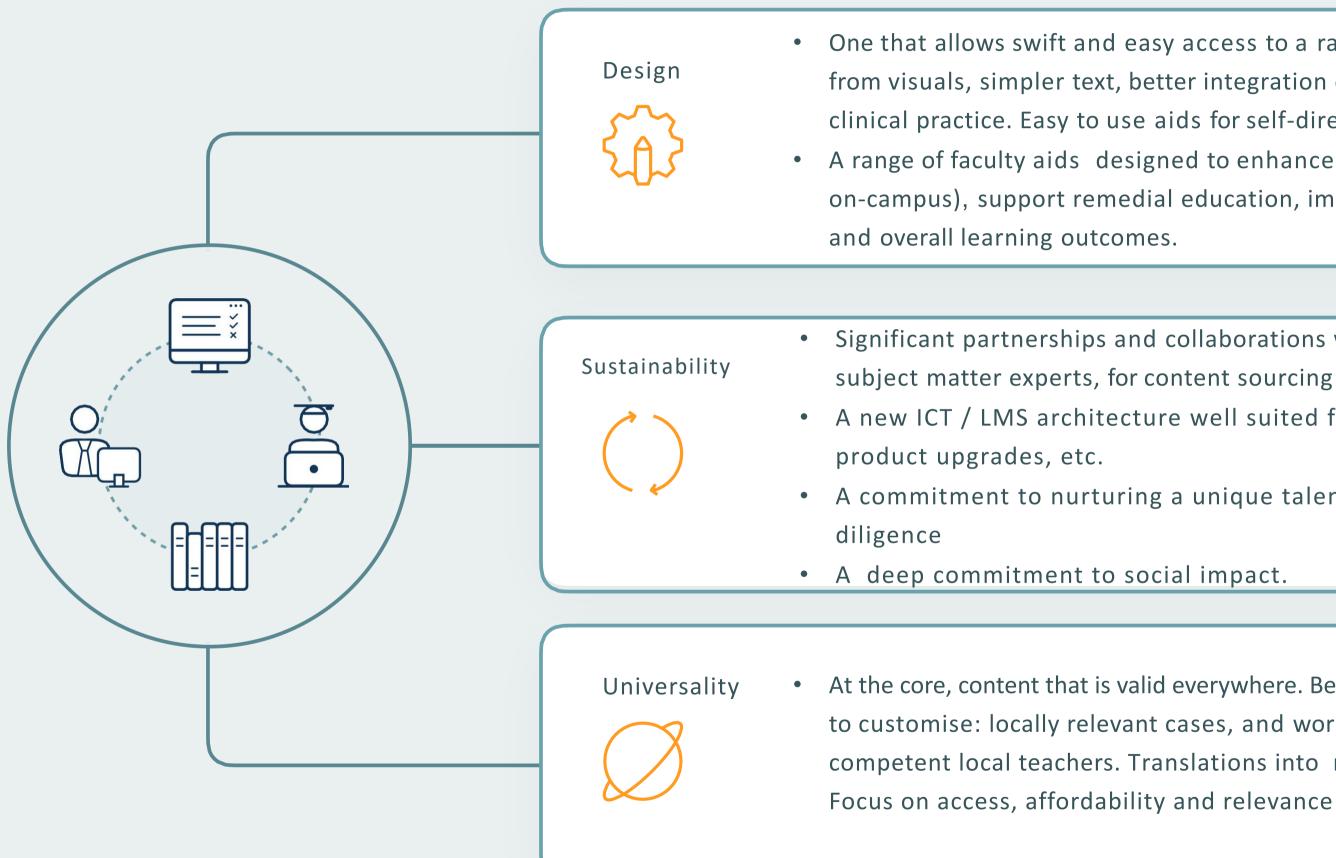
Succinct review material for exam preparation.

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





Distinctive Aspects of Product Development





• One that allows swift and easy access to a range of materials; deeper learning from visuals, simpler text, better integration of pre/para clinical sciences with clinical practice. Easy to use aids for self-directed learning.

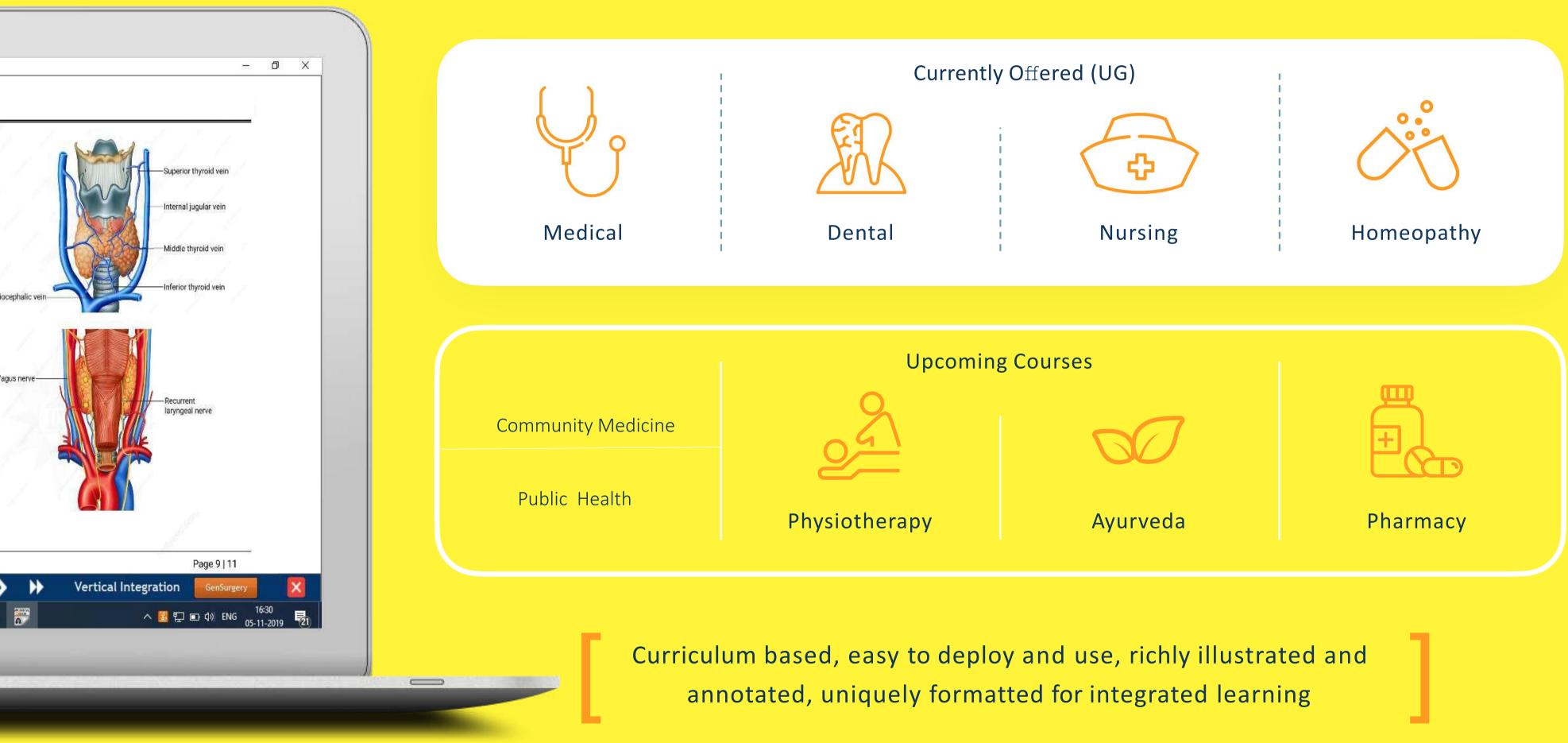
• A range of faculty aids designed to enhance efficiency of teaching (online or on-campus), support remedial education, improve standards of assessments

• Significant partnerships and collaborations with respected institutions

- subject matter experts, for content sourcing and product reviews;
- A new ICT / LMS architecture well suited for flexibility in deployment,
- A commitment to nurturing a unique talent mix, a culture of frugality and

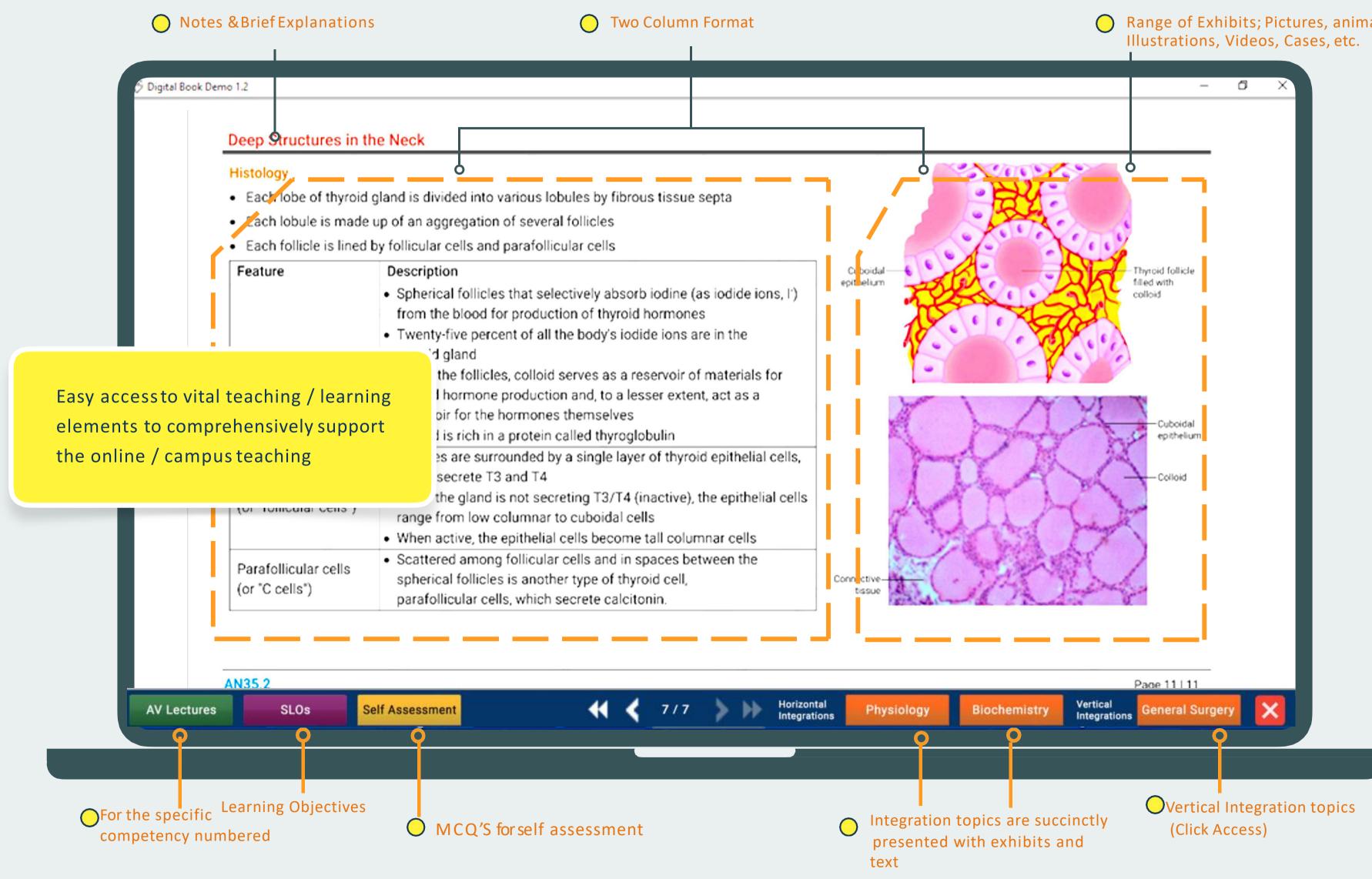
• At the core, content that is valid everywhere. Besides, the ability and willingness to customise: locally relevant cases, and working with popular and competent local teachers. Translations into major global languages by 2020;

The Product: Undergraduate Courses





The Product: The Principal Format

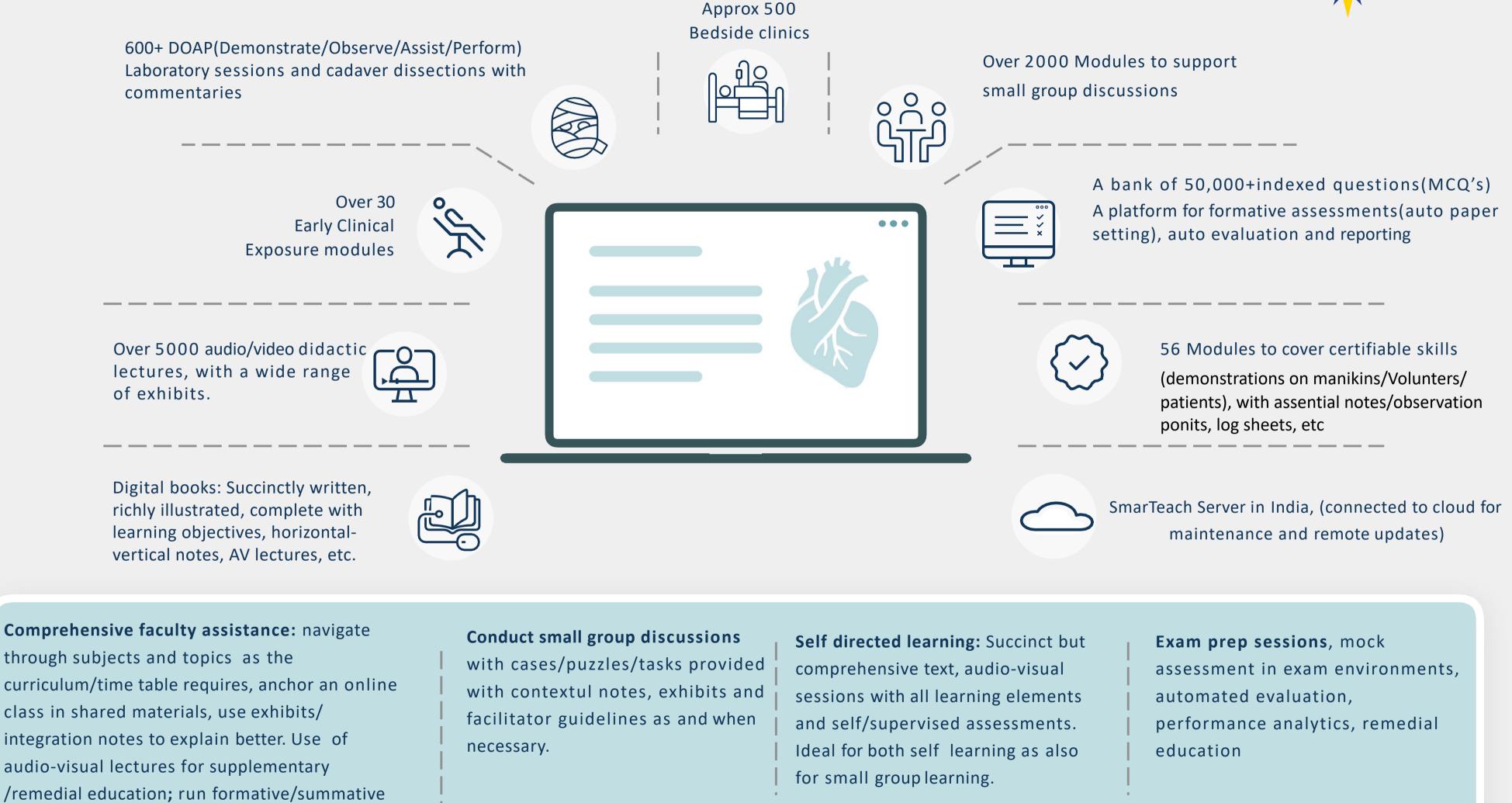




Range of Exhibits; Pictures, animations

The UG Medical Product: Components & Features

assessments with ease.





The Product: UG Dental Key Features

Audio-visual Lectures

Audio-Visual lessons and notes on case scenarios in a hospital setting: by way of examination/verification of physical signs, reports of different kinds, etc. and a discussion involving diagnostic options.

Package to support curriculum- based teaching & learning Self-directed Learning, didactic teaching

Audio-Visual lectures covering all topics, enhanced with illustrations, animations, line diagrams, charts, including all prepara clinical lab sessions, cadaver dissections etc., for student self-learning and also for small group learning.



A holistic learning approach with Audio visual lessons, clinical exposure, and analytics powered assessment for a comprehensive self directed learning



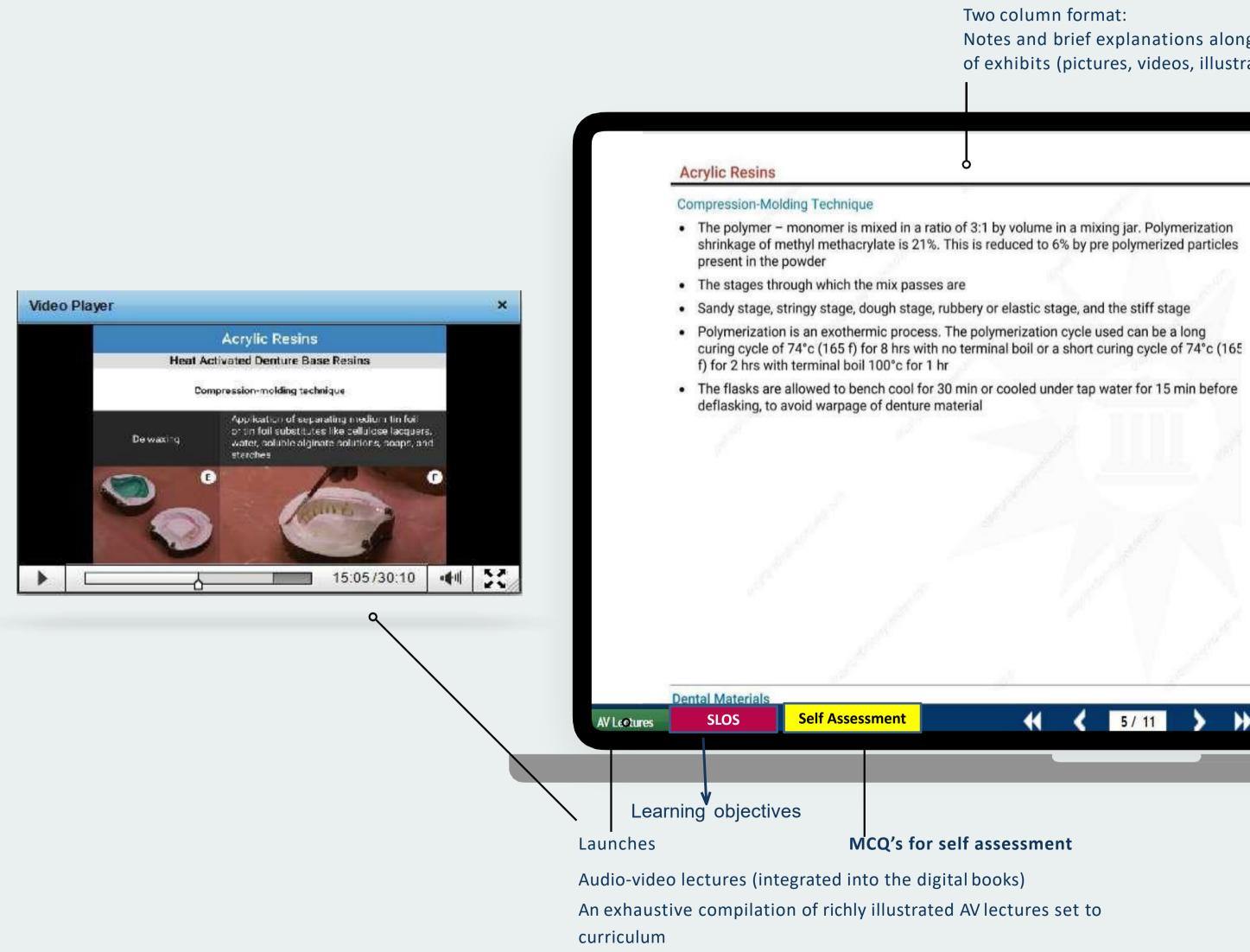
Clinical Exposure

Video recordings of lab sessions, chairside procedures, procedures performed on manikins and patients / volunteers, provides better clinical exposure.

Assessments & Analytics

Formative/Indexed Question Banks, summative process automation, reporting and analytics. Question, issues, cases for classroom disucussions, etc.

The Product: UG Dental Key Features





Two column format: Notes and brief explanations alongside range of exhibits (pictures, videos, illustrations, etc.)







Exhibits (images and videos) embedded into the digital books.

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The Product: UG Nursing Key Features

Audio-visual Lectures

- Delivered by Subject Matter Experts. Enhanced using illustrations, animations, line diagrams, charts, etc. Questions at the end of chapter/topic for self assessment.
- Covers the entire theory/lab curriculum of BSc Nursing

Digital books/notes(to go with Audio-Video lessons compilation)

- Brief notes alongside a range of corresponding exhibits (animations, charts, line diagrams, images, videos, etc.).integration elements
- Questions at the end of each lecture/set of sessions for internal assessments and classroom discussion. Automated or manual assessment options



Nursing Procedures

- Cover a wide range, both basic and specialized procedures recorded on patients/volunteers/manikins
 Also included are various diagnostic tools such as radio graphic films/ images, practical guidance, insights. Investigation reports, ECG graphs, scan reports, etc. of various patients and contexts.
- Continuous additions/improvements
 Deployment in a library or for classroom instruction, also for student self learning and revisions



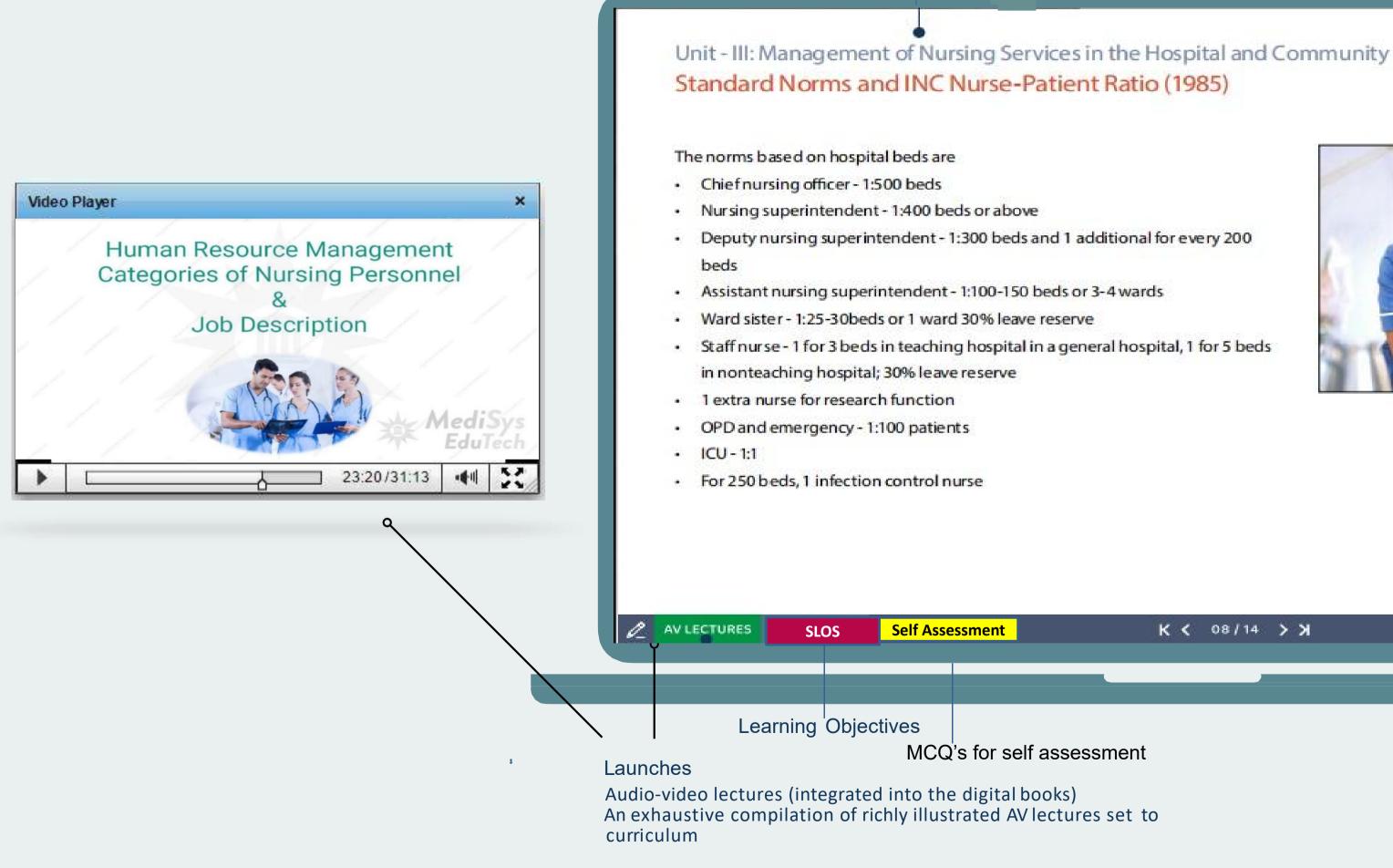
Care Plans

Exhaustive care plans, with specialised and department/ system wise coverage of all important aspects of nursing there in.

The Product: UG Nursing Key Features

Two column format:

Notes and brief explanations alongside range of exhibits (pictures, videos, illustrations, etc.)









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Exhibits (illustrations and animations) embedded into the digital books.

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The Product: Distinctive Features of Medisys Learning Management System

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Learning Management System For Institutions







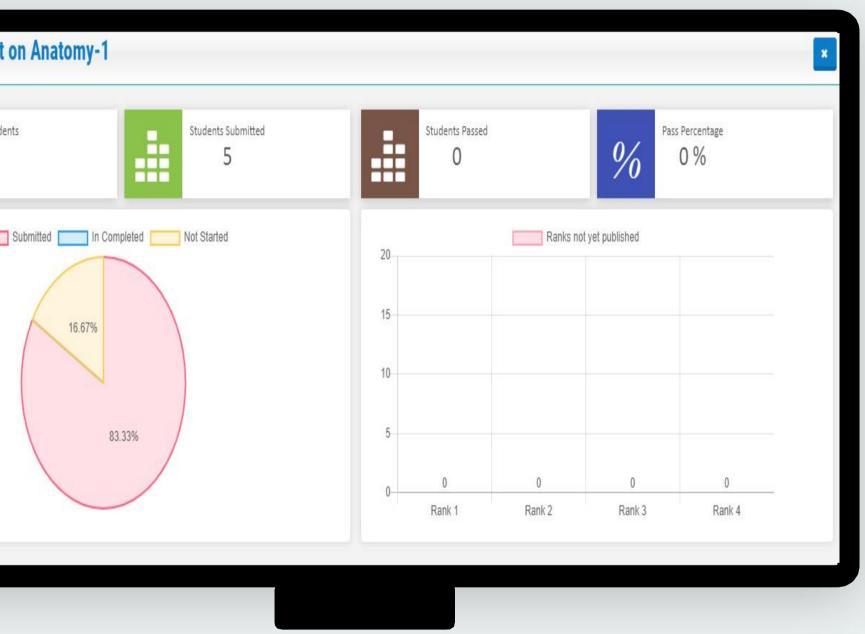
- Online instruction: In a small class, a teacher • can share screens, write/draw on a pad, record attendance, conduct a test, or a group discussion. Send alerts, gather assignments, create records.
- A teacher can seamlessly use these functionalities for "online" to "on campus" contexts
- Medisys has an extensive question bank, and each question is indexed (nature of question, level of difficulty, etc.)
- A teacher can select questions or ask for a system generated question paper, composed as per terms set by himself/herself.
- While evaluation of MCQs is automated for questions drawn from the bank, descriptive answers require a human standby. This is facilitated for online use

Indexed questions, auto composition of question papers, online proctoring, auto evaluation and performance dashboards

Objective Assessm eacher / Assessment	ents Summ	ary Repor	t								
Category Academic Year					Subject			Assessment Status			
Stream	~			~			*	Select As	ssessment Status	~	
Assessment	SubjectName	NoOfQsns	Marks	ExamTime(MIN)	Assigned To	Not Started	InCompleted	Submitted	ExamStatus	Actions	
Classroom Test on Anatomy-1	Anatomy	20	20	00:20:00	6	1	0	5	Assigned	View	
Classroom Test on Anatomy-6	Anatomy	20	20	00:20:00	1	1	0	0	Assigned	View	
Classroom Test on Anatomy-8	Anatomy	10	10	00:10:00	2	1	0	1	Assigned	View	
Classroom Test on Anatomy-9	Anatomy	5	5	00:05:00	2	2	0	0	Assigned	View	

A comprehensive assessment management system for institutions





TestPrep and Assessments:



- Self-assessment after each topic
- College/institutional assessment based on indexed questions.
- Essential automation support(composing questions papers based on different parameters, distribution as intended submissions, evaluations, reporting, etc.
- Mock assessments: of exit equivalence exam, performance analytics.

1	Pleural tapping in the mid-axillary line, muscle not pierced is
○ A:	Internal intercostal
Ов:	External intercostal
○ C:	Inner most intercostal
O D:	Transversus thoracis



Continuing Education

- Longer duration, part time courses, in online / blended formats practice improvement for the GP, practice readiness for the new graduate.
- Our focus thus far has been on family medicine practice/besides essential dental, nursing and allied health review courses.

- Exposure to new cases
- Reviews & Updates
- Screening surveillance and preventive care
- Family medicine, out patient, primary care focus,
- Assignments
- Assessments



Courses in Allied Health subjects, practices

These courses are crafted for people serving the healthcare sector directly or indirectly. Covering topics like health insurance, blood bank management, laboratory medicine etc, it aims at inculcating the basic know-how and fundamental proceedings in these matters

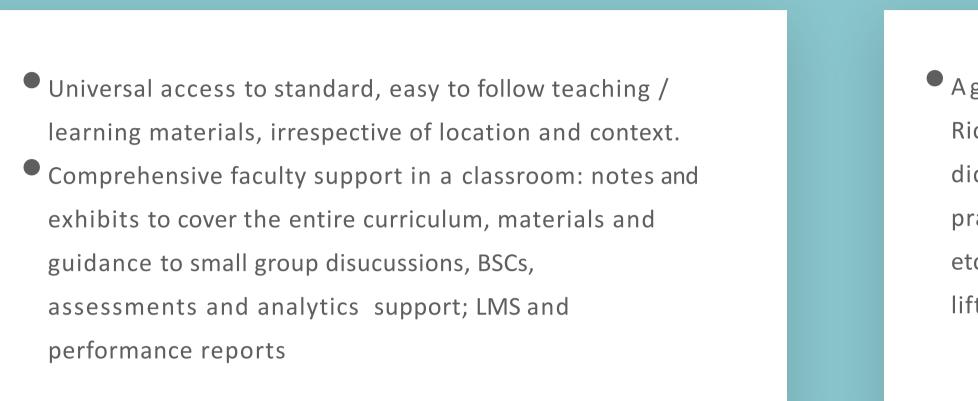
Continuing Education — Courses for GPs

1.	Diploma in Emergency Medicine —1 Year	9.	Certi
2.	Certificate in Primary Care Oncology —3 Months		GP –
3.	Certificate in Primary Care Ophthalmology —3 Months	10.	Certi
4.	Certificate in cardio diabetes medicine —1Year	11.	Certi
5.	Certificate in Lifestyle diseases —6Months	12.	Diplo
6.	Certificate in Primary Care Pulmonology — 6 Months		STD a
7.	Diploma in infectious diseases -1Year	14.	Certi
8.	Pharmacology review for GP —3 Months		



- ificate course in psychology and counselling skills for
- –4months
- ificate in Primary Care Dermatology- 6 Months
- ificate in Primary Care Oncology- 6 Months
- oma in Hospital Mangement 1 Year
- and AIDS 3 Months
- tificate in Blood Bank administration 6 Months

Medisys Platform — Significant Advantages



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

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

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.

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

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.

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.

New Possibilities



A Set of Short Courses for Vocational Skills

- A compendium of essential para medical, vocational courses for the health sector.
- Didactic audio/visual lectures, notes, exhaustive demos, presentation of equipment and consumables commonly used, procedures and best practices, reports and their basic interpretations, exercise routines, log books etc.
- Evaluation routines to track one's progessive advancement in the acquisition of a skill.
- Exhaustive guidelines for hospitals/clinics, and manikin- based skilling centers for the practice component.

Vocational Skills — Courses





• Pharmacy Assistants

• Triage-based Online Assistants

• Ambulatory Care Assistants

• Dialysis Technicians

• Dental Technicians

Medisys Study Centres — Conceptually

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

- 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.

- school.
- reduce drastically.
- healthcare services rise significantly.
- underserved communities are better off.



• 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

• Consequently, for lower need for a full contingent of faculty/support staff at each location . Asset investments and operating costs

• On the other hand, the practical rigor of the programmes, the preparedness for licentiate exams and the readiness for a career in

• Education will cease to be expensive, enrollment numbers will rise and

• These centres should supplement/complement conventional colleges, and turn into regular college as and they regulatory approvals

Medisys Study Centres — Components



E Library/e libary

• An e-library with atleast 50 PCs to support students who prefer to spend time in the centre's learning environment.



Classrooms

- MediSys content repositories for various courses are accessible via a local server in the classrooms and libraries.
- Tutors are trained to conduct case based group discussions, exercises of various kinds. MediSys provides all required materials to facilitate them.



Skill Development Centres

- Hands-on practice on mannequins and simulators for short courses as also UG courses • Labs/ museums for anatomy, pathology,
 - microbiology.

To create all these components, and to cater UG/CE to all the courses that can be offered The gross space requirement could be 30,000—35,000 Sq.Ft., The investment needed of the order USD 6—7 Million.



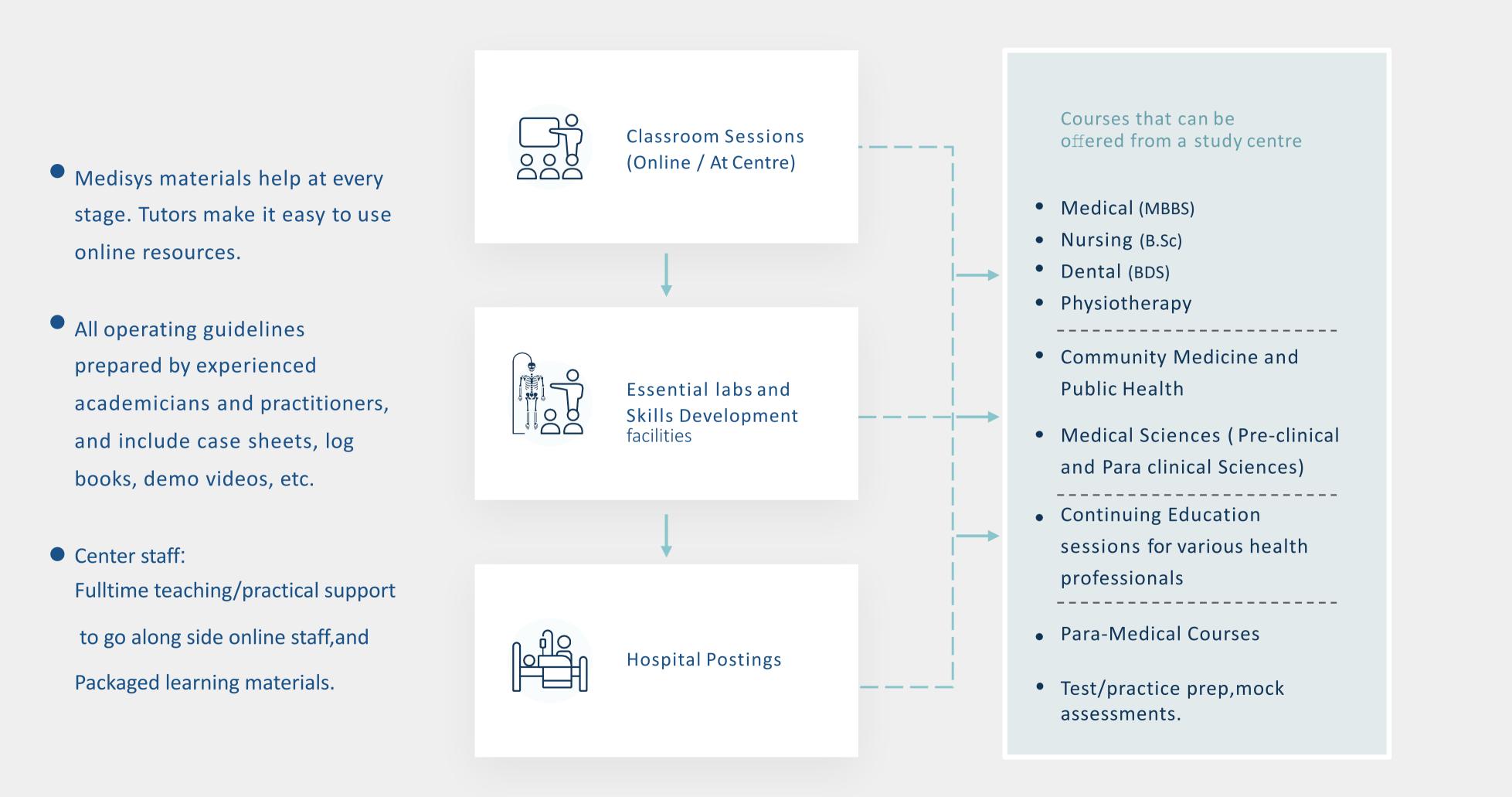
physiology, biochemistry,



Admin(for hospital postings, counselling etc.)

- Tie-up with local hospitals (ideally co-locate a MediSys study centre in a large hospital).
- Structured real time training in small batches of college students, enrolled in various colleges.

Medisys Study Centres — Teaching and Training Approach





Thank You



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