

Vydehi Institute of Medical Sciences and Research Centre, Bangalore

AVAILABLE INFRASTRUCTURAL FACILITIES

	Available	
CAMPUS	Area 26 Acres. Located at Whitefield Bangalore	
Administrative block	Accommodation provided for Principal office (50 Sq.m.), staff room (200 sq.m.), college council room (96 Sq.m.) office superintendent's room (10 Sq.m.), Office (200 Sq.m.), record room, separate common room for Male and Female students with attached toilets (Boys 450 Sq.m. & Girls - 415 Sq.m), cafeteria.	
College Council	College Council comprising of the Head of departments as members and Director as Chairperson. The Council is meeting for at least four times in a year to draw up the details of curriculum and training programme, enforcement of discipline and other academic matters. The Council also organizing interdepartmental meetings like grand rounds, statistical meetings and clinico pathological meetings including periodical research review in the Institution regularly	
Central Library	a) Area (sq. m)	4100
	b) Seating Capacity (Inside + Outside)	600(300- Inside + 300-Outside)
	Staff Reading Rooms	100
	Room for resident/ PG	250
	c) No of Books	21960
	d) Computer/ Internet nodes with air-conditioned	50 nodes with air-conditioned
	e) Journals (Indian + Foreign)	Indian -166, Foreign -87, E-Journals - 600
	f) E Library	Available

Department Library	Department	Books	Journals
		Anatomy	158
	Physiology	237	07
	Biochemistry	126	07
	Pharmacology	139	10
	Microbiology	139	08
	Forensic Medicine	118	10
	Pathology	119	09
	Community Medicine	295	18
	Hospital Administration	102	-
	Pediatrics	148	13
	OBG	123	12
	General Medicine	146	44
	Dermatology	126	08
	TB & Chest	121	11
	Psychiatry	152	11
	General Surgery	187	13
	Orthopedics	170	09
	Ophthalmology	179	05
	ENT	148	09
	Radiology	98	05
	Anesthesia	192	12
	Plastic Surgery	100	10
	Neurology	175	11
	Neurosurgery	110	09
	Emergency Medicine	120	09
	CTVS	117	05
	Cardiology	106	11
	Medical Gastroenterology	112	10
	Endocrinology	153	10
	Radiation Oncology	103	18
	Surgical Oncology	105	21
	Nephrology	101	07
	Urology	100	06
	Total	4705	344

Lecture Theatre		
Lecture Theatre (College building)	a) Number	6
	b) Capacity	05 of 300 01 of 650
	c) Type	Gallery
	d) Audio Visual Aids	Overhead projector, slide projector, LCD projector and a microphone.
	e) E-Class/ Virtual	Facility Available
Lecture Theatre (Hospital building)	a) Number	1
	b) Capacity	300
	c) Type	Gallery
	d) Audio Visual Aids	Overhead projector, slide projector, LCD projector and a microphone.
	e) E-Class/ Virtual	Facility Available
Common Rooms	Boys	450 Sq. Mt
	Girls	415 Sq. Mt
Examination Hall	a) Capacity	350
	b) Number	3
	c) CC TV Surveillance	Available
Auditorium	a) Number	1
	b) Capacity	1500
	c) Type	Gallery
Central Photographic Section	Central photographic and audiovisual sections with accommodation for studio, dark room, enlarging and Photostat work. Accommodation provided for Artist and Medical Illustrators and Modelers Facilities for microphotography and mounting are provided	
Hostels	a) Boys/Girls	961
	b) Residents including PG	458
(Hostel)	c) Nurses	466
	d) Interns	254

Residential Quarters	a) Teaching	49
	b) Non – Teaching	38
Practical Laboratories	6 Laboratories of more than 300 Sq. mt. area each and 2 laboratories of more than 120 Sq. mt. area each are available with continuous working tables, wash basin, good ventilation and lighting arrangements. Preparation rooms 15 Sq. mt. area also provided to each laboratory.	
Central Laboratory-Hospital	Available and functional Separate Sections for Pathology, Microbiology, Hematology and Biochemistry	
Blood bank	Blood Bank certificate License No. KTK/26G/08/2012-17 Dated 28.02.2012 Valid till 27.02.2017 for operating a blood bank for processing of whole human blood and/or for preparation for sale or distribution of its components.	
Rural Health Training Centre	a) Units	1 (Kannamangala)
	b) Control	Under control of Dean
	c) Distance from Medical College	10 Kms
	d) Residential Accommodation	Separate Accommodation for Boys and Girls available
	e) Mess facilities	Available
Urban Health Training Centre	a) Units	1 (Infantry Road)
	b) Control	Under control of Dean
	c) Transportation for commuting staff and students	Adequate transport provided 2 buses 50 seats each T.T. –1 van, 25 seats 1-Minibus – 42 seater 2 cars 4 seats each
Central research lab/cell	Central Research Laboratory available in the medical college, under the control of the Dean of the college.	
Pharmaco Vigilance Committee.	Functional & recognized by Pharmacovigilance programme of India, Indian Pharmacopoea commission, Government of India, New Delhi	

Central Workshop	Workshop is under the direct supervision and control of the project Engineer for all repairs and maintenance of the buildings & Furniture's. Mechanical & electrical Equipments One Biomedical Engineer is incharge of maintenance of equipments. High-tech equipments are on Annual maintenance contract
Bio Medical Waste Management	Outsourced to M/s Anu Autoclave & Incin Services., MOU is effective from 23.03.2015 to 22.03.2017
Medical Education Unit	Available & Functional
Intercom Network	Intercom network including paging and bleep system between various sections, hospitals and college are provided. No. of incoming lines 32 No. of extension lines: 700
Playground and Gymnasium	Playground Available –Football, Cricket, Throw Ball, Basketball, Indoor Stadium (Shuttle, Badminton) , Table Tennis, Athletics Gymnasium Available - Two Gymnasiums with Multigym, Treadmill, Weights Abdominals, Gazelles, Hydrotherapy Pool, Ayurvedagram with Ayurvedic therapies
Electricity	Provision for continuous electricity supply, with adequate power supply, as well as standby UPS/Generator arrangements made available. Also Maintenance staffs are available round the clock
Sanitation and water supply	Adequate sanitary facilities (toilets and bathrooms – Separately for Men & women) and safe continuous drinking water facilities are provided for the teaching staff, students (men and women), technical and other staff in all sections as required. Arrangements must are made so that plumbers are available round the clock.

Department of Anatomy

	Available		Available
Demonstration Room/s <ul style="list-style-type: none"> • No • Capacity - 	04 (95 sq,mt) 75 students	AV Aids: (OHP, Slide Projector, TV, Video & other AV aids)	OHP – 3 LCD- 4 Slide projector -2 LCD TV, Video -2
<ul style="list-style-type: none"> • Number of practical laboratory/ies • Number of Lab seats • Number of microscopes Dissection Microscopes 	2 150 150 05	Museum: Mounted specimens <ul style="list-style-type: none"> • Models – Wet & Dry • Bone Sets - Articulated & Disarticulated • MRI & CT 	Available-35 393 Bone Sets- Articulated-11 & Dearticulated-40 MRI CT-807
Number of dissection tables	30 Big + 7 Half Standard Size	Number of cadavers	25
Cold store / cooling chambers Bodies	08 Bodies	Storage tank	3
Embalming room	2 Machines	Band saw	01
Lockers	250	Departmental Library-	158 books

Adequate exhaust, light, water supply and drainage facilities - Available.

Department of Physiology

	Available		Available
Demonstration Room/s • No – • Capacity -	04 (four) 75-90 students	AV Aids: (OHP, Slide Projector, TV, Video & other AV aids)	OHP, Slide Projector, TV& Video & LCD Projector
Mammalian laboratory	Available	Haematology	264 sq.m ; 125 students
Departmental Library	42 sq.m 237 Books	Clinical Physiology Microscopes	120 sq.m of 100 capacity 12 tables with Mattresses 104
Preparation rooms	30 sq. mt.		

Department of Biochemistry

	Available		Available
Demonstration Room/s • No • Capacity	4 75 students	AV Aids: (OHP, Slide Projector, TV, Video & other AV aids)	OHP, Slide Projector, LCD Projector, TV, Video
Number of practical laboratory/ies	375 sq.m	Library / Seminar rooms -	126 books
Number of Lab seats	125 Students		

Department of Pathology

	Available		Available
Demonstration Room/s <ul style="list-style-type: none"> • No • Capacity 	04 75 students	AV Aids: (OHP, Slide Projector, TV, Video & other AV aids)	OHP, Slide Projector, LCD Projector, TV & Video
Practical labs - <ul style="list-style-type: none"> • Morbid Anatomy/Histopath./ Cytology • Microscopes • Clinical Pathology/Hematology – 	02 150microscopes 16 microscopes	Museum: <ul style="list-style-type: none"> • Specimens: • Mounted • Unmounted • Catalogues 	150 sq.mt 75 Students 350 150 10
Departmental library	119 books		

Department of Microbiology

	Available		Available
Demonstration Room/s <ul style="list-style-type: none"> • No • Capacity 	4 75 students	AV Aids: (OHP, Slide Projector, TV, Video & other AV aids)	OHP, LCD Projector, Slide Projector, TV & Video
Number of practical laboratory/ies Number of Lab seats Number of microscopes/laboratory	375 sq.m 125 125	Media preparation facility Autoclaving, Washing and drawing room	Available
Number of service laboratories	7available	Museum:	Specimens- 11,Charts - 51
Departmental library	139 books	Specimen, Charts, Models & Catalogue seating capacity	Models -44 75 Students

Department of Pharmacology

	Available		Available
Demonstration Room/s <ul style="list-style-type: none"> • No • Capacity 	4 75 Students	AV Aids: (OHP, Slide Projector, TV, Video & other AV aids)	OHP, LCD Projector
Experimental Pharmacology	125 students	Museum: <ul style="list-style-type: none"> • Specimens • Charts • Models • History of Medicine • Catalogues 	75 Students
Clinical pharmacology/pharmacy	125 students		350
Departmental Library	139 Books		-
			Available 170

Department of Forensic Medicine

	Available		Available
Demonstration Room/s <ul style="list-style-type: none"> • No • Capacity 	4 75 students	AV Aids: (OHP, Slide Projector, TV, Video & other AV aids)	OHP, LCD Projector, Slide Projector, TV, Video
Forensic histopathology, Serology, Anthropology & Toxicology - for examination of specimen ,tests	275 Sq.mt Available	Museum : <ul style="list-style-type: none"> • Medico-Legal Specimens • Charts • Prototype fire arms • Slides • Poisons • Photographs • Catalogues 	300
Autopsy room - Location - In/Near hospital in a separate structure.	03 tables having CCTV & Gallery is available		150
Cold storage -	facility for 10 cadavers available		08
Departmental library	118 Books		20
			140
			700
			12 sets

Department of Community Medicine

	Available		Available
Demonstration Room/s • No • Capacity	4 75 Students	AV Aids: (OHP, Slide Projector, TV, Video & other AV aids)	OHP, LCD Projectors, Slide Projector, TV and Video
Museum: • Charts • Models • Specimens • Catalogues	150 10 118 05 sets of 129	Practical lab	125 students
Departmental Library	295 books		

Health Centers (Department of Community Medicine)

RHTC: Kannamangala place) 10 Km (Distance from the college)

Population covered by the RHTC	43230
It is affiliated to College Yes/No	Yes
Students and interns posted in batches of 2015 -16 throughout the year	Throughout the year in batches 12+20 students
Separate blocks for accommodating boys in 01 rooms having 10 beds. Girls 01 rooms having 10 beds.	Yes, Accommodation available
Facilities for cooking & dining – Yes/No	Tiffin services available
Daily OPD	40 - 50
Specialist visits if any	Specialist for the following departments Medicine, Dermatology, TB& Chest, Paediatrics, Surgery, Orthopadics, ENT, Ophthalmology are posted by

	rotation Dental Clinic and OBG daily. Eg Medicine, OBG & Gyane, Ophthalmology.
Cold chain equipment available	ILR, Refrigerator, Cold box, Deep freezer, Vaccine carries, Day carriers in RHTC
Survey/MCH/Immunization/FP registers	Available
Activities under the National Health Programmes	Participation in all National Programmes monitored immunization Program Family Planning.

Details of U.H.T.C.: Place Infantry Road Distance from college 19 kms

Population covered by the UHC	12550
It is affiliated to College Yes/No	Yes
Students and interns posted in batches of	04 Interns + 20-30 students
Daily OPD	25-30/ day average
Survey/MCH/Immunization/FP registers	Available
Specialist visits if any	Available(Physicians, Gyn & OBG, Eye)
Deficiency if any	Nil

Vydehi Digital Museum(VIDA):

A futuristic, new age medical learning, discovery and research facility - at Vydehi Institute of Medical Sciences and Research Centre.

VIDA in sanskrit stands for knowledge and discovery. VIDA, the medical discovery and research centre evokes the unity of all life. Here students and even visitors will find a new fascination for every aspect of human life, from the macro level to the micro. The 50,000 sq ft facility is home to an integrated and interactive Museum with a Multimedia Theatre and a well stocked and carefully designed Library.

The Medical Museum in VIDA is First of its kind of the most comprehensive medical museums in India, with carefully curated specimens, information and visuals, in its various departments - Anatomy, Pathology, Pharmacology, Microbiology, Radiology, Forensics and Community Medicine, bringing alive the experience of learning with over 3432 specimens and samples on display.

The Digital Vydehi museum consists of the following features,

- Transparent LED box
- Virtual X-ray
- Departments Screen
- Scheduled Video Manager
- Digital Catalogue

Transparent LED box :

- Transparent LED box provides elaborated function and details of the specimen kept inside. It is a box which consists of a touch sensitive LED display with transparent feature. Due to this transparency, it offers visibility to the specimen kept inside. For instance, when a “Heart Specimen” is kept inside the box, the user can view the specimen as well as they can touch and get the presentation on the specimen subject.

Virtual X-ray

- The Virtual X-Ray contains the Konnect Camera and the Display. If the visitor / learner stands in front of the camera, the display shows the skeleton of the visitor. The visitor can perform the movements of all his parts and enjoy learning his own skeleton movements in the display. The display works based on the calibration of Kinect camera.

Departments Screen

- The digital museum also showcases the department wise information and achievements at various zones inside museum. Department screens will be placed on 6 multiple zone within the museum. These contents on the department screens are scheduled using CMS application and the relevant contents will be played through a Thin Client system attached with a touch screen LCD. The contents in department screens can be replaced with new contents at any time. These screens can act as a Campaign screen as well as a Navigation screen both at once. The touch screen will enable the navigation facility for visitors.

Scheduled Video Manager

The digital museum helps in educating its visitors about the Fetal development stages of a baby from 1st Month to 9th Month as videos using a CMS application enabled Qbox. Videos of respective fetal development every month will be played in each LCD monitor via this Qbox. The scheduled video will be played automatically when the visitors stand in front of the screen. The screen is fixed with the sensor for sensing the visitors.

Digital Catalogue

- The scope of this digital catalogue is to encourage the rate of self-learning and to utilize the digital museum extensively. This digital catalogue is accessed via tablet computers connected by an Intranet WiFi. The publications and uploads were powered by CMS application. The scope of this digital catalogue fall in line with the future proof practices like e-Learning.

TEACHING HOSPITAL

Name of the Hospital: **Vydehi Institute of Medical Sciences & Research Centre, Bangalore**

Owned by: – **Trust (Srinivasa Trust)**

Name of the Medical Superintendent: **Dr. G Mohan, Professor** in ENT, with **17 years** administrative experience.

Accommodation provided for Dean (40 Sq.mt.) and Medical Superintendent (200 Sq.mt.) and hospital offices for the supportive staff, Nursing Superintendent's room and office, waiting space for visitors along with computer and internet facility in each department. Accommodation provided for

(a) Enquiry office 1000 Sq.mt

(b) Reception area including facilities for public telephone, waiting space for patients and visitors, drinking water facility with nearby toilet facilities.

(c) Store rooms: 200 Sq.mt

(d) Central Medical Record Section : 300 Sq.mt

(e) Linen Room: 300 Sq.mt

(f) Hospital and Staff Committee room: 80 Sq.mt

Central Registration and statistics department

OPD Timings	:	09.00 A.M. to 04.00 P.M.
Separate Registration areas for male/female patients available	:	Yes
Separate Registration counters for OPD/IPD	:	Available
Are the Registration counters computerized	:	Yes
Staff for registration center	:	Adequate
Waiting areas for above patients available	:	Yes & Available
No. of rooms for examination of patients available	:	Yes & Available
Capacity of teaching area in each department	:	Yes & Adequate
Enquiry Desk	:	Yes & Available

Facilities available in OPD

Accommodation provided in each department:-

1. Waiting/reception space rooms for patients and attendants,
2. Enquiry and record room.
3. Examination rooms (cubicles) and case demonstration rooms provided for each department in the outdoor. Each clinical unit in the outpatient department provided with examination cubicles.
4. Procedure Room
5. Dispensary
6. The following additional accommodation is provided in the departments specified below:
 - (a) In Surgery & its specialities:
Dressing room for men and women patients respectively. Operation theatre for out patient surgery.
 - (b) In Ophthalmic Section: Rooms, dark rooms, dressing rooms etc.
 - (c) In orthopaedics Section: Plaster Room, Plaster cutting room,
 - (d) In ENT Section: Sound proof audiometry Room, ENG laboratory and speech therapy facilities.
 - (e) In Paediatrics:
Child Welfare including Immunization Clinic, Child Guidance Clinic, Child Rehabilitation Clinic including facilities for speech therapy and occupational therapy.
 - (f) In obstetrics and Gynaecology: Antenatal Clinic, Family Welfare Clinic Sterility Clinic
Cancer Detection Clinic.
 - g) Injection Room (Male & Female)
 - h) Provision made for additional rooms for conducting special clinics, PG Seminar room,
 - i) Departmental Library in each department

There is an additional students duty room (separately) for males and females) attached to the labour room.

In Dental Section: Dental College exist in same campus run by same trust.

Beds Distribution		
Department		Number of Beds/Units
Medicine & Allied	a) Gen. Medicine	240/8
	b) Paediatrics	120/4
	c) TB & Chest	60/2
	d) Skin V.D.	60/2
	e) Psychiatry	40/2
	Sub Total	520/18
Surgery & Allied	a) Gen. Surgery	240/8
	b) Orthopaedics	150/5/
	c) Ophthalmology	60/2
	d) ENT	60/2
	Sub Total	510/17
OBG	OBG	150/5
Emergency Medicine	Emergency Medicine	40/1
Radiotherapy	Radiotherapy	60/2
Super Specialty	Cardiology	30/1
	Gastroenterology(Medical)	30/1
	Neurology	30/1
	Cardio Thoracic and Vascular Surgery	30/1
	Plastic Surgery	30/1
	Urology	30/1
	Neuro Surgery	30/1
	Surgical Oncology	30/1
	Medical Oncology	30/1
	Endocrinology	30/1
	Nephrology	30/1
	Grand Total	1610/54
Total Beds Strength	1610 beds	
Daily Average Bed occupancy %	80 to 84% Bed Occupancy	

INDOOR FACILITIES

The following accommodation made available in each ward, namely:

1. Accommodation in a General Ward does not exceed 30 patients and distance between the two beds and is not less than 1.5m.
2. Nurses Duty Room/Nursing Station.
3. Examination and Treatment room.
4. Ward Pantry.
5. Store room for linen and other equipment.
6. Resident Doctors and students Duty Room.
7. Clinical Demonstration Room

Operation Theatres Unit with centralized Air conditioned

Type	Available
Major	21
Minor	13

Distribution of Operation Theater's

<u>Dept</u>	Theatres Nos.
Gen Surgery	5
ENT	1
Ophthal	1
Ortho	3
OBS & GYN	2
Emergency	1
Septic	1
Super Specialty	7

Pre-Anaesthetic/Pre-operative Beds : Available 15 beds

Post Operative Recovery room beds : 20 beds Available

Intensive Care: Following intensive areas are available with centralized Air conditioned

Type	Beds (Available)
ICU	08
ICCU	08
SICU	08
NICU/PICU	15
RICU	05
CCU	05
CTICU	16
NeuroICU	08

Central sterilization Department (CSSD)

- Timings: Round The Clock
- Equipment: Horizontal autoclaves 06 / Vertical autoclaves Nil ETO Sterilisers: 01 No. Plasma Sterilize -01
- Separate receiving and distribution points – Available

Department of Casualty

No of Beds: 40 beds

- Number of doctors posted / Shift : 4/shift
- Number of nurses posted / Shift: 8/shift
- Separate casualty for OBGY cases: **available, if yes No. of beds 02**

CMO - Required 04 Available 05

Equipment	Availability Y/N	Number
Central Oxygen & suction facility	Central	30 (Oxygen), 30 (Suction)
Pulse oximeter	Available	08 attached to Cardiac Monitor
Ambu bag	Available	04 (Adult), 02(Paediatrics)
Disaster trolley	Available	04
Crash Cart	Available	05
Emergency Drug Tray	Available	02
Defibrillator	Available	02
Ventilator	Available	07
X-ray Unit – (Mobile)	Available	01
Minor OT	Available	06

Radiological Facilities:

Equipment	Available no.	AERB Approval
Mobile X Ray 100 mA	8 No.	Yes
Static X Ray 300 mA	04 No.	Yes
600mA	02 No.	Yes
800/1000 mA +(C Arm)	07 No.	Yes
CT Spiral Minimum 16 slice	03 No.	Yes
MRI 1.5 tesla	01 No.	Yes
Mammography	01 No.	Yes

Equipment	Available no.	PNDT Approval
Ultra Sound	16 No.	Yes

Pharmacy :Pharmacist/Staff available: 35

No. of sub-stores located in different parts of hospital: 02

Central laundry: In House & Mechanized

Kitchen: In-House

- Food free of charge provided Number of patients served 1000
- Provision of special diet is available
- Services of a nutritionist/dietician are available

Total no. of Canteens: 05 For staff 01 For students 04

Transportation Facilities

- The Institute provides transport services regularly between campus and the city.
- Institute buses are available to the students and faculty members for commuting from various points in the city to the Institute.

Photocopy & Courier

- Service offer Photocopy facilities & other communication facilities

Bank ATM

- On campus available ATM facility

General Stores & Stationary

- Available in the campus to offer stationary, general stores facilities to students, Staff & Patients.

Optical Stores

- Optical Stores available in the campus all types of spectacles and lens are available for the requirement of patients, students & staff.

Parking

- Adequate parking space available separately for students, faculty, patients etc.,