



SAIL

Simulation Academy
for Immersive Learning

Recognized by Indian Nursing Council
for Training & Education



KD Simulation Academy for Immersive Learning (KDSAIL) is dedicated to transforming education through immersive learning experiences that combine advanced simulation technology with hands-on practice. Our mission is to prepare students for real-world challenges by providing realistic scenarios that foster critical thinking and problem-solving skills. Our state-of-the-art facilities and experienced faculty ensure that our programs remain at the cutting edge, aligned with industry standards and best practices.

We take great pride in fostering a diverse and inclusive community. Our commitment to supporting each student's educational journey includes providing ample resources, personalized guidance, and dedicated mentorship. By promoting collaboration and the exchange of ideas, we create an enriching environment where every student can thrive. I am thrilled about the future and confident that our innovative approach will cultivate the leaders of tomorrow.

As Albert Einstein once said, "Education is not the learning of facts, but the training of the mind to think."

Together, let's create a brighter future through immersive learning.



Dr. Anuja Desai
Executive Director, KD Hospital

Vision



Lead the future of healthcare by revolutionizing medical education and pioneering advanced technology for improved patient care.

Mission



Deliver excellence in healthcare education and practice by facilitating modern learning methods, fostering innovation and optimizing training techniques.



About KD Hospital

KD Hospital (Kusum Dhirajlal Hospital) is a multi/super specialty hospital located at the prime location of Vaishnodevi Circle, SG Road, Ahmedabad; with state-of-the-art facilities & treatments at an affordable cost, encompassing wide spectrum of accurate diagnostics and elegant therapeutics created on the philosophical edifice of patient and ethical centricity ensuring humanistic dispensation.

Under the aegis of Shri Harihar Maharaj Charitable Trust, KD Hospital is spread over a massive 6-acre campus providing 300+ beds and catering for nearly 45 super-specialties, all under one roof. A multispecialty approach

enables each specialty to collaborate on complex cases, ensuring a comprehensive assessment/ treatment of the patient. Patients are provided with multiple options for treatment, the most suitable of which are arrived at through a collaborative case assessment approach that decides the best course of treatment for the best outcomes.

Academic Courses at KD HOSPITAL

Postgraduate Medical Programs

Accreditation from the National Board of Examinations in Medical Science (NBEMS)

- DNB Emergency Medicine
- DrNB Critical Care Medicine
- DNB in Ophthalmology

Clinical Fellowship Programs

- Fellowship in Arthroplasty: Training in Advanced Robotic-Assisted Surgery
- Fellowship in Peritoneal Surface Malignancy

Indian Diploma in Critical Care Medicine (IDCCM)

- Run by Indian Society of Critical Care Medicine (ISCCM)



About KD Institutes of Allied Health Sciences (KDIAHS)

Established in 2018, KD Institutes of Allied Health Sciences (KDIAHS) is a leading institution specializing in Allied Health Sciences, offering a top-notch education and training supported by a state-of-the-art campus equipped with advanced technology and resources.

The expert faculty are dedicated to giving students the knowledge and skills needed to excel in their professions. At KDIAHS, we foster a culture of excellence, integrity, compassion, collaboration, and lifelong learning. Our personalized learning experience empowers future leaders in the healthcare industry.

Approved by the Government of Gujarat, Affiliated with Gujarat University, Ahmedabad

KD Institute of Nursing Sciences

The KD Institute of Nursing Sciences recognized by the Gujarat Nursing Council.

- General Nursing and Midwifery (GNM)
- Bachelor of Science in Nursing (BSc Nursing)
- Post Basic Diploma Courses in Operation Theater, Critical Care & Emergency, and Disaster



KD Institute of Physiotherapy

- Bachelor of Physiotherapy (BPT)

KD Institute of Optometry

- Bachelor of Optometry (B. Optom)



About KD SAIL

The KD Simulation Academy for Immersive Learning at the KD Institute of Nursing Sciences is the first of its kind in Gujarat, integrating cutting-edge augmented reality (AR) and virtual reality (VR) technology, along with task trainers and mid- and high-fidelity mannequins. This 8000-square-foot state-of-the-art facility offers a comprehensive array of simulation training opportunities in a secure and realistic environment, enhancing clinical skills and preparing medical and paramedical students, as well as healthcare professionals, to navigate the complexities of critical situations.

Equipped with advanced technology and real-life scenarios, KD SAIL provides immersive learning experiences in all aspects of patient care, including medical emergencies and critical care, through simulation-based education and training. This dynamic environment ensures that students are well-prepared to meet the demands of the healthcare field with confidence and competence.



Courses Offered

- Certification courses
- Indian Nursing Council (INC) skill modules
- Faculty Development Program

Skill Partner



KD SAIL

Certification Courses

KD SAIL offers certification courses in lifesaving skills tailored for both healthcare and non-healthcare professionals. These courses are conducted by highly experienced trainers certified by the American Heart Association (AHA) and the Indian Resuscitation Council Federation (IRCF), following national and international guidelines.

1. Basic Life Support (BLS)
2. Advanced Cardiovascular Life Support (ACLS)
3. Essential Obstetrics Care
4. Essential Newborn Care
5. Basic Airway Management
6. First Aid with CPR Certificate Course
7. Pediatric Life Support
8. Pediatric Advanced Life Support
9. Basic Trauma Life Support
10. Hands only CPR

Indian Nursing Council (INC) Skill Modules

The Indian Nursing Council (INC) mandates specific skills modules for nursing students as part of their curriculum and KD SAIL provides all these modules in accordance with INC regulations and learning objectives, including the specified duration of hours.

1. First Aid (Theory + practical)
2. Health Assessment (Theory + practical)
3. Basic Cardiac Life Support (Theory + practical)
4. Fundamentals of Prescribing (Theory + practical)
5. Palliative Care (Theory + practical)
6. Essential Newborn care (Theory + practical)
7. Integrated Management of Neonatal & Childhood illness (Theory + practical)
8. Pediatric Life Support (Theory + practical)
9. Skilled Birth Attendant & Safe Delivery App (Theory + practical)

Faculty Development Program

Simulation based education is the essential and best educational modality for the health professional educations, to ensure the best teaching practice methodology, KD sail offers the faculty development program for the health professional educators by internationally certified simulation faculty.

1. SimEd(Simulation education)

Nursing Anne Simulator (Simulation Suite - ICU)

The full body, medium skin tone simulator with articulating arms and legs. Which has various realistic human features including pupils' reactions, voice prompts various heart, lung & bowel sounds, and other basic advanced nursing procedures.

Nursing Baby (Simulation Suite - PICU)

The High- fidelity Nursing Baby Simulator features various heart, lung & bowel sounds auscultation, IV and IO skills, fontanel assessment, urinary catheterization and general pediatric patient care. This infant is unrivaled for clinical training in core pediatric in-hospital clinical skills.

Prompt Flex Birthing Simulator (Simulation Suite - Labor room)

The Mid- Fidelity, Advanced PROMPT Flex Birthing Simulator is an anatomically accurate model of a mother and baby, featuring a modular design for various training scenarios and serving as the foundation for the complete PROMPT Flex range of birthing modules.

Task Trainers

1 Airway Management Trainer

2 Adult BLS Trainer

3 Infant BLS Trainer

4 Pediatric Intubation Trainer

5 Adult Choking Removal Manikin

6 Neonatal Intubation Trainer

7 Multivenous Arm



Augmented Reality Health Hub:

Augmented Reality (AR) are immersive technologies that create computer-generated environments or enhance the real world with digital information.

Augmented Reality (AR) in nursing refers to the integration of digital information with the physical environment in real-time to enhance the educational and clinical experiences of nursing professionals and students. AR overlays digital content, such as 3D models, instructional videos, or interactive simulations, onto the real world, providing a blended experience that can improve understanding and retention of complex medical concepts and procedures.



Gujarat's 1st lab to provide BLS training through AR

Key features:

Our augmented reality HoloLens enhances the visualization of various aspects of human anatomy, such as

- Skeletal
- Muscular
- Arterial
- Venous
- Connective T
- Lymphatic
- Nervous
- Respiratory
- Digestive
- Endocrine
- Urogenital
- Integumentary



Regions:

- Full body
- Head and neck
- Upper limb right
- Upper limb left
- Thorax
- Abdomen
- Pelvis and perineum
- Back
- Lower limb right
- Lower limb left
- Female pelvic prosection

Basic life support module:

Included Scenario for community and Clinic with following stages

- Stage 1:** Initial
- Stage 2:** Chest pain
- Stage 3:** Unconscious
- Stage 4:** AED procedure
- Stage 5:** Regaining consciousness



Virtual Reality Health Hub

Virtual reality is revolutionizing education, particularly in nursing, where it has proven highly effective for both students and professionals, especially in light of the pandemic and similar challenges. This technology is dedicated to enhancing the clinical skills of nursing students and practitioners, pushing the boundaries of traditional learning methods.

Immersive simulations that replicate real-world scenarios to help Healthcare professionals and students to develop clinical skills in an interactive manner with guided experience.

We provide VR simulation training for nursing professionals and students, offering a fully-immersive, realistic alternative to traditional healthcare education. This innovative approach significantly enhances the clinical skills of our learners

Key features:

- AI powered analytics engine provides highly accurate competency reports at completion of every module.
- ACLS & BLS training with protocols such as crisis management and emergency scenarios.
- Uniquely designed environment for targeted clinical training nurses, and other medical professionals.
- A remarkable opportunity for medical students to interact with realistic virtual patients.
- Vast library for students and healthcare providers.



LMS by SimCapture

Learning management system in simulation is SimCapture offers a wide range of features that enhance the learning experience, including high-fidelity recording and playback capabilities for detailed review and analysis of simulation sessions.

SimCapture also includes robust assessment tools that facilitate objective evaluation of learner performance. These tools provide real-time feedback and comprehensive reports, allowing educators to track progress, identify areas for improvement, and personalize training to address individual needs.

OSCE by VR & LMS

KD SAIL conducts the Objective Structured Clinical Examination (OSCE) by VR leverages virtual reality technology to provide immersive and interactive clinical assessment experiences.



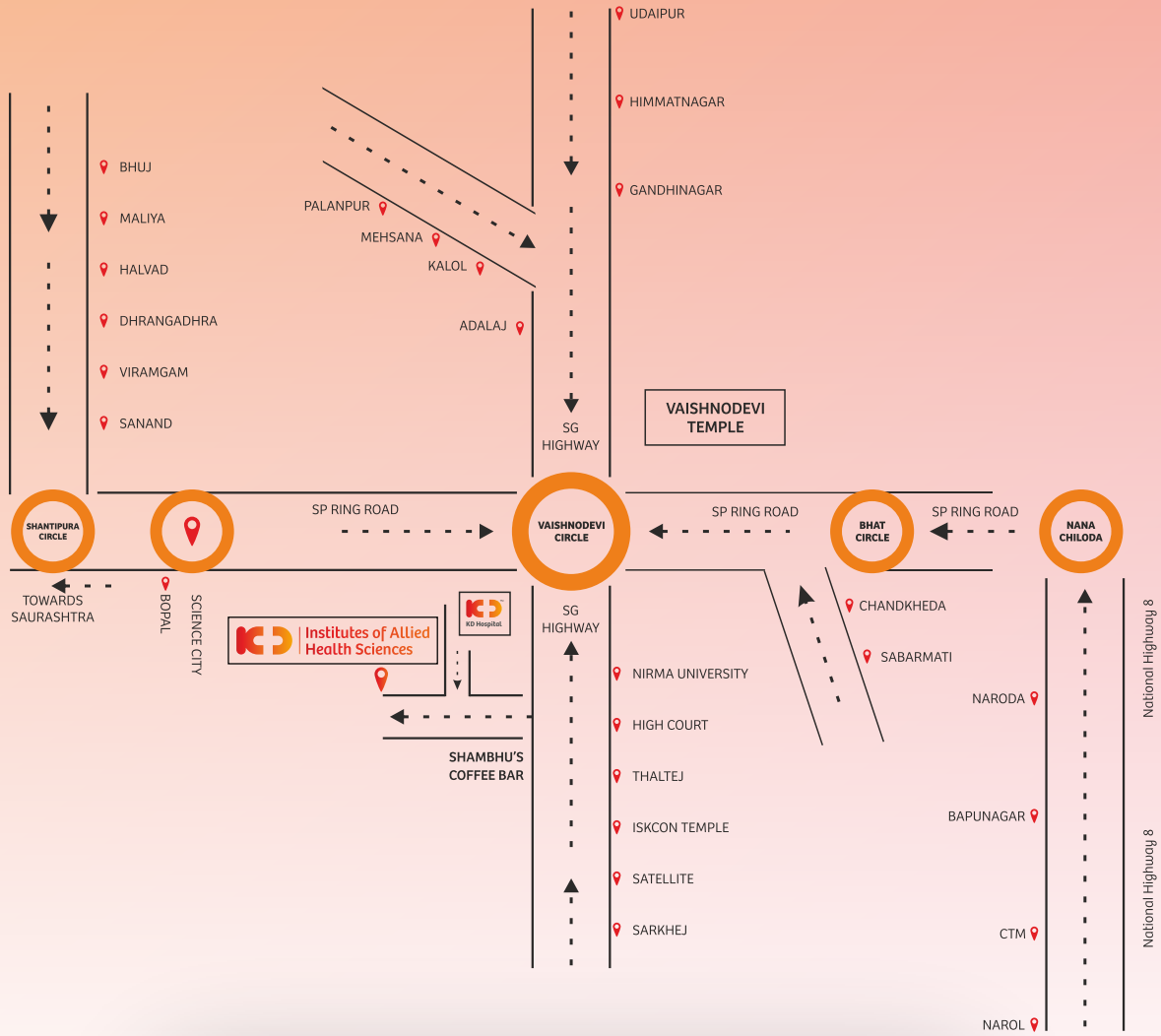
Why to choose KD SAIL

- **State-of-the-Art Facility Simulation Academy**
KDSAIL is equipped with cutting-edge technology and facilities designed to provide the best learning experience.
- **Indian Nursing Council (INC) Collaboration**
Our collaboration with the Indian Nursing Council (INC) ensures maintaining the highest standards of nursing education and practice.
- **International Guidelines and Standards**
We adhere to global standards to ensure our training programs are of the highest quality.
- **Well-Trained & Experienced Trainers**
Our team consists of highly skilled and experienced trainers dedicated to delivering top-notch education and support.
- **Continuous Mentorship**
We provide ongoing mentorship to ensure continuous learning and professional development.
- **Advancement in Technology**
We leverage the latest advancements in technology to enhance the learning experience and outcomes.

Who can be beneficiary:

- Students pursuing Bachelor of Science in Nursing, General Nursing and Midwifery and Post Basic Diploma Courses of critical care and emergency
- Students pursuing Bachelor of Physiotherapy
- Institutions requiring customized simulation solutions
- Medical students aiming to improve their practical skills
- Healthcare professionals seeking advanced simulation training





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