SHARDA UNIVERSITY
Beyond Boundaries

NAAC A+ ACCREDITED

SHARDA SCHOOL OF
ALLIED HEALTH
SCIENCES

COURSE

LABORATORY QUALITY ASSURANCE AND COMPLIANCE IN ALLIED HEALTH

NV10007

VALUE ADDED
COURSE BROCHURE
2025-26

ABOUT THE UNIVERSITY

Sharda University is a leading educational institution based out of Greater Noida, Delhi NCR. A venture of the renowned Sharda Group of Institutions (SGI), The University has established itself as a high-quality education provider with primefocus on holistic learningandimbibing competitiveabilities in students.

ABOUT SCHOOL

The School of Allied Health Sciences plays an essential role in the modern health environment. The school is committed to provide the highest quality learning environment to its students by way of classroom teaching, laboratory training and clinical exposure at its associated thousand bedded hospital. This further clubbed with discussions, seminars and journal clubs for latest advances in the respective fields and community connect by way of guided tours and also the externships to other prestigious institutions. Highly trained professionals from the school, after successful completion of the program, contribute in high-quality healthcare services in the country and abroad, by practicing and applying the knowledge acquired. Their hands-on experience with the real-world settings or the patients equips them with the latest knowledge and prepares them to deal with the challenges of the healthcare industry.

VALUE ADDED COURSES (VAC)

The value-added education courses aim to provide additional learner centric graded skill oriented technical training, with the primary objective of improving the employability skills of students.

PURPOSE OF VALUE-ADDED COURSES

1. VACs are relevant academic method in order to fill the gaps in students' knowledge and add competitive edge to their job prospects. A well-defined system of offering VACs in the courses makes them extremely useful for improving employability quotient of students by building a range of competencies.
2. VAC can also serve as top-up courses to make students industry-ready by exposing them to the current technology and practices than those covered in theirformal degree courses.

VALUE ADDED COURSE OFFERED

LABORATORY QUALITY ASSURANCE AND COMPLIANCE IN ALLIED HEALTH

ABOUT THE COURSE:

At the end of the successful completion of this course the student will be able to understand various factors affecting laboratory results and also will be able to correct interpretation of the laboratory data. The student will also understand how the clinical pathology laboratory helps effectively to meet the requirements of the end users by systematic communication between the clinician and laboratory persons

Candidate has to attend three classes per week to complete 30 hours. At the end of the course a certificate will be provided to each candidate.

RESOURCE PERSON

Dr. Kunal Kishor (kunal.kishor@sharda.ac.in)

Dr. Kunal Kishor is a Professor in the Department of Allied Health Sciences at the Sharda School of Allied Health Sciences, Sharda University. He holds an M.Sc, and PhD degree in the field of Microbiology from HNBGU and brings over 20 years of experience in the field of academics. In his current role, he contributes to research projects, develops and delivers value-added courses, and mentors undergraduate students across multiple programs within the school. Dr. Kunal Kishor is an accomplished expert in the area of "Laboratory Quality Assurance and Compliance in Allied Health", who will be leading this course. His extensive experience in the field of "Quality Assurance" undoubtedly will add immense value to the learning experience.

School: SSAHS | **Batch : 2025-26**
Programme: UG | **Current Academic Year: 2025-26**
Branch: Allied Health Sciences | **Semester: III**

1. Course Code	NV10007			
2. Course Title	Laboratory Quality Assurance and Compliance in Allied Health			
3. Credits	Audit			
4. Contact Hours (L-T-P)	30 Hours			
Course Type	Value added course			
5. Course Objective	The objective of this course is to understand various factors affecting laboratory results and also will be able to correct interpretation of the laboratory data. The student will also understand how the clinical pathology laboratory helps effectively to meet the requirements of the end users by systematic communication between the clinician and laboratory persons.			
6. Course Outcomes	CO1: The student will be able to understand the importance of Hand Hygiene. CO2: The student will be able to know the role of Pathology and Microbiology in Laboratory medicine. CO3: The student will be able to understand the basic steps of Phlebotomy and sample collection. CO4: The student will be able to understand the basic steps of Phlebotomy and sample collection. CO5: The student will be able to know the handling of MSD. CO6: The student will be able to know spill Management and Needle stick Injury.			
7. Course Description	The penultimate stage introduces the students			
8. Outline syllabus Theory		CO mapping	Hours	Schedule
Unit 1	**Hygiene**			
A	Hand hygiene	**CO1**	**2**	**1st and 2nd Week**
B	PPE donning and doffing.	**CO3, CO4**	**2**	
C	Role of pathology and Microbiology in laboratory medicines.	**CO1, CO3**	**2**	
Unit 2	**Preliminary test**			
A	MSDS, Spill Management and Needle stick Injury	**CO4**	**2**	**3rd and 4th Week**
B	Biomedical waste in Laboratory medicine	**CO4**	**2**	
C	Phlebotomy, Sample collection	**CO5**	**2**	
Unit 3	**Screening test for the selection of qualified Candidates**			
A	Analytical & Post analytical Errors	**CO6**	**2**	**5th and 6th Week**
B	Critical alerts in laboratory	**CO6**	**2**	
C	Role of Pathology in Laboratory medicine	**CO6**	**2**	
Unit 4	**Blood bank**			
A	Role of blood bank	**CO1**	**2**	**7th and 8th Week**
B	Role of Microbiology in Laboratory medicine.	**CO2**	**1**	
C	How to maintain hygiene in blood bank	**CO2**	**1**	
Unit 5	**QC AND QA**			
A	Quality control	**CO4**	**3**	**9th and 10th Week**
B	Quality assurance	**CO4/CO5**	**2**	
C	Introduction to basic research	**CO5**	**1**	
Mode of Examination	**Quiz, assignment and viva**		**2**	**11th Week**
Textbook	Good laboratory practices - Isin Akyar- 2011.			