

**Color Code Description:**

Global			National / Local		Regional / National
Sr. No	GA No.	Graduate Attributes	PO No.	Programme Outcomes	
1	GA4	Employability: equipped with skills, attributes, leadership and entrepreneurial qualities that society needs; being capable of making a contribution to society through earning a living	PO1	To train students in the technological aspects of medical care with a good scientific foundation.	
2	GA4	Employability: equipped with skills, attributes, leadership and entrepreneurial qualities that society needs; being capable of making a contribution to society through earning a living	PO2	To train students to competently assist the Physician & Surgeon, especially in high-tech medical procedures to cater to the health care industry globally.	
3	GA3	Eco-literate: sensitivity towards a sustainable environment	PO3	To train the students to adapt to the continuous & emerging advancements in the field of Medical Technology which will be environmentally sustainable.	
4	GA2	Global citizenship: ethical, social and professional understanding	PO4	To strengthen their instrumentation understanding with respect to principle, operation, maintenance and latest advances	
5	GA1	Scholarship: research, inquiry and lifelong learning	PO5	To expose them to basics of research, management and cultivate analytical thinking.	
6	GA4	Employability: equipped with skills, attributes, leadership and entrepreneurial qualities that society needs; being capable of making a contribution to society through earning a living	PO6	To polish the soft skills as applicable in the healthcare sector.	
7	GA4	Employability: equipped with skills, attributes, leadership and entrepreneurial qualities that society needs; being capable of making a contribution to society through earning a living	PO7	To develop the sensitivity towards society & empathy towards the patients	

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Sr. No.	Semester	Institute Course Code	Catalog Course Code	Title	Target	Course Outcome No	Course Outcome Statement	PO1	PO2	PO3	PO4	PO5	PO6	PO7
4	SEM I	401240104	TH4497	Psychology and Sociology	60	CO1	To provide the basic understanding , principles and concepts of personality development and creative thinking.	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Strong-H
					60	CO2	Learn the mannerism related to religion, social status and education..	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Strong-H
					60	CO3	Understand concepts to organizational problems related to Health sector	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Strong-H
5	SEM I	401240105	T3755	Basics of MS Office	60	CO1	Understand concepts to orTo acquaint the students with basic computer skills.ganizational problems related to Health sector	Strong-H	Moderate-M	Moderate-M	Nil	Nil	Nil	Nil
					60	CO2	To provide the hands on training on computers	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L
6	SEM I	401240106	TH4496	Medical Physics	60	CO1	To provides basic knowledge of physics	Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L
					60	CO2	To understand physics principles	Moderate-M	Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H	Weak-L
7	SEM I	401240107	T6483	Creative Writing	60	CO1	To Explore classic and modern styles and techniques of writing across genres.	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L
					60	CO2	To Appreciate the aesthetics of selected excerpts.	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L
					60	CO3	To Experiment with ones own writing style.	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L
8	SEM I	401240108	TH4503	Personality Development for Allied Health Professionals	60	CO1	Ability to build an impressive personality	Moderate-M	Moderate-M	Weak-L	Weak-L	Weak-L	Strong-H	Moderate-M
					60	CO2	Develop self awareness and improve relationships with others	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L	Moderate-M	Weak-L
					60	CO3	Carry out a SWOT analysis and capitalise on ones own strengths and work upon ones own weaknesses	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L
					60	CO4	Inculcate leadership qualities to take up leadership roles	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L
9	SEM I	401240109	T6359	Introduction to Culture & India	60	CO1	Students will witness and DISCUSS diverse aspects of Indian culture	Weak-L	Weak-L	Moderate-M	Weak-L	Moderate-M	Weak-L	Strong-H
					60	CO2	Students will MAKE INFERENCES about the present based on and UNDERSTANDING of the History, Geography and Socio-political scenario of India	Weak-L	Weak-L	Moderate-M	Weak-L	Moderate-M	Weak-L	Moderate-M
					60	CO3	Students will INFORM through WRITING and PRESENTATIONS	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Strong-H	Weak-L
10	SEM I	401240110	T4005	Integrated Disaster Management	60	CO1	To create awareness of various aspects of disasters, its preparedness and management.	Weak-L	Weak-L	Weak-L	Weak-L	Moderate-M	Moderate-M	Strong-H
					60	CO2	To instill knowledge on reducing disasters and capacity building through community participation.	Weak-L	Weak-L	Weak-L	Weak-L	Moderate-M	Moderate-M	Strong-H
11	SEM II	401240201	TH4504	Anatomy II	60	CO1	To recognise structures, organs and systems of the body	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO2	To have knowledge of surface anatomy of alimentary system, urinary system, reproductive system, endocrine system, nervous system and special senses	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L	Weak-L

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11	SEM II	401240201	TH4504	Anatomy II	60	CO3	To understand the histology of different tissues & organs	Strong-H	Moderate-M	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L
					60	CO4	To understand the disease conditions of the various systems	Strong-H	Strong-H	Moderate-M	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO5	To understand the diagnostic & treatment modalities of the disease conditions	Strong-H	Moderate-M	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M
12	SEM II	401240202	TH4505	Physiology II	60	CO1	To enumerate the functions of different parts of the body	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H	Strong-H	Weak-L
					60	CO2	To recognize normal physiological variations	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H	Weak-L
					60	CO3	To identify disease state due to functional failure of organ systems	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
13	SEM II	401240203	TH4506	Basics of Epidemiology	60	CO1	To understand the concept and principles of Epidemiology	Strong-H	Moderate-M	Weak-L	Moderate-M	Weak-L	Weak-L	Strong-H
					60	CO2	To understand the methods of epidemiology	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H
					60	CO3	Summarize epidemiological study designs	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H
					60	CO4	Understand application of epidemiology in problems of communicable and non communicable diseases	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H
					60	CO5	Be able to distinguish between different analytical studies	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H
14	SEM II	401240204	TH4507	Hospital Information System	60	CO1	Strong understanding of HIS	Moderate-M	Moderate-M	Weak-L	Strong-H	Weak-L	Strong-H	Weak-L
					60	CO2	Ability to Analyse information using different methodologies	Moderate-M	Weak-L	Strong-H	Strong-H	Strong-H	Strong-H	Weak-L
					60	CO3	Confidently manage the HIS	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H	Moderate-M	Weak-L
15	SEM II	401240205	T4440	Applied Mathematics	60	CO1	To be able to explain the basics of mathematics.	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Weak-L
					60	CO2	To be well informed with the applied mathematics for calculation of any scientific recordings and be able to read and interpret the stochastic process, to calculate the outcome of a specific reaction by mathematical calculation.	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L
16	SEM II	401240206	TH4493	Communication Skills for Allied Health Professionals I	60	CO1	Students must be able to use basic functional English language with good accuracy	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M
					60	CO2	Confident in the use of verbal and written communication in healthcare.	Strong-H	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M
					60	CO3	Be able to write emails and enhance reading, listening and comprehension skills	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
17	SEM II	401240207	TH4494	Soft Skills for Allied Health Professionals	60	CO1	Students will learn the art of communicating with patients, clients, care givers and health care professionals	Strong-H	Weak-L	Moderate-M	Strong-H	Moderate-M	Strong-H	Weak-L
					60	CO2	Develop self awareness and improve relationships with others	Moderate-M	Strong-H	Weak-L	Strong-H	Weak-L	Strong-H	Moderate-M
					60	CO3	Use efficient techniques for all forms of written and verbal communication	Weak-L	Moderate-M	Weak-L	Strong-H	Weak-L	Strong-H	Weak-L
					60	CO4	Take up leadership role to coordinate, delegate and supervise care safely and manage risk	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L

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18	SEM II	401240208	T4439	Nutrition and Dietetics	60	CO1	To understand the various concepts of Nutrition.	Moderate-M	Moderate-M	Moderate-M	Strong-H	Strong-H	Moderate-M	Strong-H
					60	CO2	To know about the classification of food and the composition of various classes.	Moderate-M	Moderate-M	Moderate-M	Strong-H	Strong-H	Moderate-M	Weak-L
					60	CO3	To know the sources, functions and deficiency conditions of carbohydrates, proteins, fats, vitamins & minerals.	Moderate-M	Strong-H	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H
19	SEM II	401240209	TH4095	Fitness for Life	60	CO1	Acquire knowledge and skills to make meaningful and lasting behaviour change.	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L
					60	CO2	Participate in physical activity programs to enhance health, fitness & lifestyle.	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L
					60	CO3	Select and adopt personalized strategies including activities, programs, and events that promote health and wellbeing.	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L
20	SEM III	401210301	T2208	Research Methodology	60	CO1	Understand research terminology	Moderate-M	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Weak-L
					60	CO2	Identify the components of a literature review process	Weak-L	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L
					60	CO3	Critically analyze published research	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Weak-L
					60	CO4	Describe quantitative, qualitative and mixed methods approaches to research	Moderate-M	Weak-L	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L
					60	CO5	Be aware of the ethical principles of research, ethical challenges and approval processes	Strong-H	Weak-L	Moderate-M	Moderate-M	Weak-L	Moderate-M	Weak-L
21	SEM III	401210302	TH4058	Principles and practices of management	60	CO1	Explain the basic types of business functions	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H	Strong-H	Strong-H
					60	CO2	Explain the the varied range of business organizations	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M
					60	CO3	Demonstrate an overview of various domains under organization Management.	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
					60	CO4	Illustrate the real-life examples based on management principles.	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H
					60	CO5	Relate the management practices and use in healthcare industry.	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H
22	SEM III	401210303	T4938	Basic Patient Assessment	60	CO1	Basic knowledge of the element of nursing, handling the patient, communication with patients, hospital set up.	Moderate-M	Moderate-M	Weak-L	Weak-L	Weak-L	Strong-H	Moderate-M
					60	CO2	Understanding of medical terminologies.	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L	Moderate-M	Weak-L
					60	CO3	Should be able to take Patients history, and other data, read & understand patient chart.	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L
					60	CO4	Check Vital signs, Inspect, Palpate, Percuss and Auscultate the patient.	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L
					60	CO5	Should be able to identify common physical findings in disease conditions, Arterial Blood Gases collection & Analysis, Understand Laboratory studies (blood, sputum, urine), Chest Radiography.	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Weak-L

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23	SEM III	401210304	T4441	Personality Development for Allied Health Professionals - I	60	CO1	Ability to build an impressive personality	Moderate-M	Moderate-M	Weak-L	Weak-L	Weak-L	Strong-H	Moderate-M
					60	CO2	Develop self awareness and improve relationships with others	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L	Moderate-M	Weak-L
					60	CO3	Carry out a SWOT analysis and capitalise on ones own strengths and work upon ones own weaknesses	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L
					60	CO4	Inculcate leadership qualities to take up leadership roles	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L
24	SEM III	401210305	T2883	Core Environmental Studies	60	CO1	Be able to Understand the importance of conservation of environment	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H
					60	CO2	Have knowledge of the changing trends and deterioration of climate and other environmental elements	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H
					60	CO3	Be Aware and a responsible global Citizen	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H
25	SEM III	401210306	T4446	Basics of Epidemiology	60	CO1	To understand the concept and principles of Epidemiology	Strong-H	Moderate-M	Weak-L	Moderate-M	Weak-L	Weak-L	Strong-H
					60	CO2	To understand the methods of epidemiology	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H
					60	CO3	Summarize epidemiological study designs	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H
					60	CO4	Understand application of epidemiology in problems of communicable and non communicable diseases	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H
					60	CO5	Be able to distinguish between different analytical studies	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H
26	SEM III	401210307	T4444	Clinical Nutrition	60	CO1	Detailed knowledge of basics of clinical nutrition	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L
27	SEM III	401210308	T4445	Understanding of Basic Investigation-I	60	CO1	Knowledge about basics of diagnostic tests	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L
					60	CO2	Understanding of importance of diagnostic tests and correlate with the infectious condition.	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L
28	SEM III	401210309	T4954	Cardiovascular Diseases	60	CO1	The knowledge of anatomy and physiology of Cardiovascular System and Respiratory System	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L
					60	CO2	To diagnose the cardio vascular disease by examination of patient & relevant.	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L
					60	CO3	To diagnose a disease after taking history of the patient and with the help of various investigative reports.	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L
					60	CO4	To diagnose the cardiovascular disease from pathological specimen, Charts, CD&TMs, Video etc.	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L
					60	CO5	To make differential diagnosis of various diseases this will help them in management of the patient.	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L
29	SEM III	401210310	T4952	Applied Clinical Sciences (Cardiac Care)	60	CO1	Able to describe the applied Anatomy & Physiology	Strong-H	Moderate-M	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L
					60	CO2	Correlate it with the technical procedures	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Weak-L
					60	CO3	Correlate with diagnostic & therapeutic procedures & its outcome.	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L

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					60	CO4	Apply it practically when visiting hospitals during postings	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L
30	SEM III	401210311	T4953	Cardiac Pharmacology	60	CO1	This course gives an overview of the pharmacological agents commonly used in the diagnosis and treatment of cardiovascular disease. particular emphasis will be placed upon network medicine, genomic strategies and personalising treatments for patients with heart disease.	Strong-H	Moderate-M	Weak-L	Moderate-M	Moderate-M	Weak-L	Weak-L
					60	CO2	Brief treatment will also be given to non-cardiac medications used in cardiac patients and their potential interactions. Student will learn how the various drugs act, are classified, and employed in stable patients and those undergoing emergency procedures, electrophysiological studies, catheterization, and other diagnostic studies.	Strong-H	Moderate-M	Weak-L	Moderate-M	Moderate-M	Weak-L	Weak-L
					60	CO3	drug classes include: thrombolytic, anticoagulant, antiarrhythmic, antianginal, antihypertensive, diuretic, lipid-lowering, antidiabetic, and contrast agents.	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Weak-L	Weak-L
					60	CO4	Describe and assess the molecular and cellular actions of drugs that affect the cardiovascular system. Classify the major cardiovascular drugs in current use by their actions at a cellular and molecular level. Evaluate the pharmacological basis for the treatment of major cardiovascular disease and appreciate the common side effect that these drugs can produce.	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Weak-L	Weak-L
					60	CO5	show understanding of the importance of personalised medicine strategies for cardiovascular disease and how these are derived. Have knowledge of new and emerging pharmacological treatments for cardiovascular disease.	Strong-H	Moderate-M	Weak-L	Moderate-M	Moderate-M	Weak-L	Weak-L
31	SEM III	401210312	T4955	Electro Cardiography I	60	CO1	The knowledge of Anatomy and Physiology of the heart is necessary.	Strong-H	Strong-H	Moderate-M	Weak-L	Strong-H	Weak-L	Weak-L
					60	CO2	Upon completion student should be able to - Place the ECG leads and get an ECG.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L
					60	CO3	Differentiate between normal & abnormal ECG.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L
					60	CO4	The Cardiac Technologist should be able to obtain an ideal ECG and should be able to identify a normal ECG.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L
					60	CO5	He/she should be able to take care and maintain ECG machines.	Moderate-M	Moderate-M	Moderate-M	Strong-H	Moderate-M	Weak-L	Weak-L

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					60	CO6	Diagnose different rhythms and understand the causes of the abnormal rhythm	Strong-H	Strong-H	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L
					60	CO7	Should be able to identify common physical findings in disease conditions, Arterial Blood Gases collection & Analysis, Understand Laboratory studies (blood, sputum, urine), Chest Radiography.	Strong-H	Strong-H	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L
32	SEM III	401210313	T4471	General and Clinical Pathology	60	CO1	Understand the routine pathological tests and its correlation to disease conditions	Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H	Moderate-M	Moderate-M
					60	CO2	To understand the concept of diseases	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H	Strong-H
					60	CO3	To understand the organization of pathology lab	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M
					60	CO4	Be able to identify normal and abnormal tests	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M
33	SEM III	401210314	T4965	Haematology	60	CO1	Understand the routine hematological blood tests and know the established reference ranges of the same.	Moderate-M	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H
					60	CO2	Knowledge of the physiological and pathological variation in the hematological parameters	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M
					60	CO3	Know about the hematological investigations performed to diagnose pathological states	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
					60	CO4	Understand the hematological findings in different pathological states	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
34	SEM III	401210315	T4964	Applied Clinical Sciences (Clinical Laboratory)	60	CO1	Should describe the applied Anatomy & Physiology in relation to disease conditions	Strong-H	Strong-H	Moderate-M	Weak-L	Moderate-M	Weak-L	Weak-L
					60	CO2	Correlate with diagnostic & therapeutic procedures & its outcome.	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Weak-L
					60	CO3	Understand the various lab investigations specific to various disease conditions	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Weak-L	Strong-H
					60	CO4	Interpret lab reports and correlate with clinical findings	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L	Moderate-M
35	SEM III	401210316	T4968	Renal Diseases, Disease Management & Pharmacology	60	CO1	Understand the disease etiology, Pathology & pathogenesis, clinical features, diagnosis and management of renal diseases.	Strong-H	Strong-H	Moderate-M	Moderate-M	Strong-H	Strong-H	Weak-L
					60	CO2	To come to a conclusion or to diagnose a disease after taking a history of the patient and other reports or by seeing the reports of investigations, biopsy & other diagnostic procedures which are done to deal the disease.	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H	Weak-L
					60	CO3	Know common medications used in dialysis patients, their administration, precautions & side effects.	Moderate-M	Strong-H	Moderate-M	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO4	Total patient management in dialysis unit.	Strong-H	Moderate-M	Moderate-M	Strong-H	Strong-H	Moderate-M	Weak-L

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					60	CO5	Know total patient care during dialysis & dietary management.	Moderate-M	Moderate-M	Strong-H	Strong-H	Moderate-M	Moderate-M	Weak-L
36	SEM III	401210317	T4966	Applied Clinical Sciences (Dialysis)	60	CO1	Describe the applied Anatomy & Physiology	Strong-H	Strong-H	Moderate-M	Weak-L	Moderate-M	Weak-L	Weak-L
					60	CO2	Correlate it with the technical procedures	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Weak-L
					60	CO3	Correlate with diagnostic & therapeutic procedures & its outcome.	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L
					60	CO4	Apply it practically when visiting hospitals during postings	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L
					60	CO1	Aable to perform Hemodialysis processing efficiently	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H	Moderate-M	Weak-L
37	SEM III	401210318	T4136	Principles of Haemodialysis I	60	CO2	They will able to use Machine operation	Moderate-M	Moderate-M	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L
					60	CO3	Student will be able to communicate with patient, they can nderstand aseptic techniques, Safety precautions, Maintaining data etc	Moderate-M	Strong-H	Strong-H	Moderate-M	Moderate-M	Strong-H	Weak-L
					60	CO1	Describe the role of buffers and electrolytes in dialysis fluids.	Moderate-M	Strong-H	Moderate-M	Moderate-M	Strong-H	Strong-H	Weak-L
38	SEM III	401210319	T4967	Theory and Principles of Dialysis	60	CO2	Understand calculation of fluid loss using dialyser co-efficient, venous pressure and dialysate pressure, dialysis related complications & importance of sterilization.	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H	Weak-L
					60	CO3	Understand & perform Pre dialysis education of the patient, Initiation of haemodialysis, monitoring, adequacy, basic nursing, etc	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Strong-H	Weak-L
					60	CO4	Knowledge of function of different types of dialyser membrane, their construction and efficiency, etc.	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO1	To enable the students to understand different imaging techniques & procedures & to take X -rays of optimum quality as required by the radiologist.	Strong-H	Strong-H	Moderate-M	Moderate-M	Strong-H	Moderate-M	Weak-L
39	SEM III	401210320	T4963	Conventional Radiographic Techniques and Procedures	60	CO2	Student Should be able to Develop/process x-ray film nad Change the position of tube	Strong-H	Moderate-M	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L
					60	CO3	Students must know all the radiograwphic positions and techniques.	Moderate-M	Strong-H	Moderate-M	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO1	Interpret the radiographic images & find out the pathologies/abnormalities if any like fractures, tumors etc.	Strong-H	Moderate-M	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L
40	SEM III	401210321	T4959	Applied Clinical Sciences & Image Interpretation	60	CO2	Understanding of the medical conditions and this will help them to perform their duties more efficiently	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L	Moderate-M
					60	CO1	Understand image processing & dark room techniques.	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L	Moderate-M	Weak-L
41	SEM III	401210322	T4961	Fundamentals of Medical Image Processing	60	CO2	Able to Select the cassette size and Insert image plate for processing	Moderate-M	Moderate-M	Strong-H	Strong-H	Moderate-M	Moderate-M	Weak-L
					60	CO3	Thorough knowledge of processing steps and its use.	Strong-H	Strong-H	Weak-L	Weak-L	Moderate-M	Moderate-M	Weak-L
					60	CO1	Understand image processing & dark room techniques.	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L	Moderate-M	Weak-L

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42	SEM III	401210323	T4962	Physics & Instrumentation of X- ray & USG	60	CO1	Know each & every function, & if some problem occurs, they should be able to report it correctly to company engineers.	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H	Weak-L
					60	CO2	Knowledge of working principle of X-Ray and its components.	Moderate-M	Strong-H	Moderate-M	Moderate-M	Weak-L	Moderate-M	Weak-L
					60	CO3	Knowledge of working principle of USG and its components.	Moderate-M	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-M	Weak-L
					60	CO4	Understand the optimisation of parameters for image quality and patient dose.	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Weak-L
43	SEM III	401210324	T4960	Radiation Physics and Protection - Basic	60	CO1	To have thorough knowledge of radiation physics	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Weak-L
					60	CO2	Relate effects of ionising radiation and its mode of interaction.	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H	Weak-L
					60	CO3	Knowledge of regulatory principles and philosophies of AERB.	Weak-L	Strong-H	Weak-L	Strong-H	Weak-L	Strong-H	Weak-L
					60	CO4	Proper use of personal monitoring and area monitoring devices.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Weak-L
44	SEM III	401210333	T4971	Pre Operative Preparation & Anaesthetic Management of Surgical Procedures	60	CO1	Knowledge on preoperative complications in the recovery room	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L	Moderate-M	Weak-L
					60	CO2	Confidently assist anesthesiologist	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L
45	SEM III	401210334	T4969	Applied Clinical Sciences (Operation Theatre and Anaesthesia)	60	CO1	Should describe the applied Anatomy & Physiology	Strong-H	Strong-H	Moderate-M	Weak-L	Moderate-M	Weak-L	Weak-L
					60	CO2	Correlate it with the technical procedures	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Weak-L
					60	CO3	Correlate with diagnostic & therapeutic procedures & its outcome.	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L
					60	CO4	Apply it practically when visiting hospitals during postings	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L
46	SEM III	401210335	T4970	Fundamentals Concepts and Procedures Related to Operation Theatre	60	CO1	Understand image processing & dark room techniques.	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L	Moderate-M	Weak-L
					60	CO2	Able to Select the cassette size and Insert image plate for processing	Moderate-M	Moderate-M	Strong-H	Strong-H	Moderate-M	Moderate-M	Weak-L
					60	CO3	Thorough knowledge of processing steps and its use.	Strong-H	Strong-H	Weak-L	Weak-L	Moderate-M	Moderate-M	Weak-L
47	SEM III	401210336	T4488	Instrument Trays for Surgical Procedure	60	CO1	Able to work in the operation theatre, per operative preparation room, endoscopy clinic etc.	Strong-H	Moderate-M	Strong-H	Moderate-M			
					60	CO2	Identify various surgical instruments for different surgeries	Strong-H	Strong-H	Strong-H	Strong-H			
48	SEM III	401210341	T4819	Cardio-Pulmonary Diseases- Basic	60	CO1	diagnose the cardio pulmonary disease by examination of patient & relevant	Strong-H	Moderate-M	Strong-H	Weak-L	Strong-H	Weak-L	Weak-L
					60	CO2	To diagnose a disease after taking history of the patient and with the help of various investigative reports.	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Moderate-M
					60	CO3	To diagnose the cardiopulmonary disease from pathological specimen, Charts, CD Video etc.	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M
49	SEM III	401210343	T4517	Cardio-Pulmonary Pharmacology -	60	CO1	The student will have knowledge about the different drugs / medicines to be given in pulmonary diseases and how much doses and mode of administration.	Strong-H	Moderate-M	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-M

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49	SEM III	401210343	T4452	Basic	60	CO2	Students will understand the problems related to overdose of drugs, side effect and reactions occurring due to the intake of the wrong medication.	Strong-H	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H	Strong-H
50	SEM III	401210344	T4452	Respiratory Therapy Technology-I	60	CO1	To have the basic understanding and applications of Medical gas laws in respiratory equipments	Strong-H	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L	Weak-L
					60	CO2	To be able to perform delivery of medical gas to the patients in ICU	Moderate-M	Weak-L	Moderate-M	Moderate-M	Weak-L	Weak-L	Weak-L
					60	CO3	To know the basic indications & contraindications of various respiratory care procedure	Moderate-M	Moderate-M	Strong-H	Weak-L	Weak-L	Moderate-M	Moderate-M
					60	CO4	To be able to perform basic respiratory therapy interventions	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L	Weak-L	Strong-H
					60	CO5	To be able to interpret various diagnostic reports such as ABG etc	Strong-H	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
51	SEM IV	401210401	T8000	Service Learning	60	CO1	Develop sensitivity towards community issues	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H
					60	CO2	To serve the community and enhancing the learning experience	Weak-L	Weak-L	Weak-L	Weak-L	Moderate-M	Moderate-M	Strong-H
					60	CO1	Acquire knowledge and skills to make meaningful and lasting behaviour change.	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L

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52		401220402	T4771	Fitness and Lifestyle Management	60	CO2	Participate in physical activity programs to enhance health, fitness & lifestyle.	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L
					60	CO3	Select and adopt personalized strategies including activities, programs, and events that promote health and wellbeing	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L
53	SEM IV	401210403	T4447	Personality Development for Allied Health Professionals - II	60	CO3	Develop good interpersonal skills, a positive attitude and the ability to resolve conflicts amicably	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L	Moderate-M
					60	CO4	Demonstrate these skills while interacting with patients	Moderate-M	Weak-L	Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H
54	SEM IV	401220404	T4775	Self Defence	60	CO1	Develop defensive preventive attitude and views of ones lifestyle	Weak-L	Weak-L	Weak-L	Weak-L	Moderate-M	Moderate-M	Weak-L
					60	CO2	Recognize and avoid potentially dangerous situations.	Weak-L	Weak-L	Weak-L	Weak-L	Moderate-M	Moderate-M	Weak-L
					60	CO3	Psychologically prepare the student for the possibility of an attack.	Weak-L	Weak-L	Weak-L	Weak-L	Moderate-M	Moderate-M	Weak-L
					60	CO4	Develop working knowledge of basic self-defense techniques from various disciplines.	Weak-L	Weak-L	Weak-L	Weak-L	Moderate-M	Moderate-M	Weak-L
					60	CO4	Acquire self-confidence, to instill the need and desire for physical conditioning, and a willingness to take affirmative action if actually assaulted.	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Moderate-M	Moderate-M
55	SEM IV	401220405	T4777	Yoga	60	CO1	To experience good physical health & physique, to improve stamina, to release the mental stress & awaken the creativity, to release the emotional stress and ability to concentrate and experiencing the positive quality	Weak-L	Weak-L	Weak-L	Weak-L	Moderate-M	Moderate-M	Moderate-M
					60	CO2	To introduce the practical aspects of yoga to experience the benefits on their personal, student and professional life	Weak-L	Weak-L	Weak-L	Weak-L	Moderate-M	Moderate-M	Moderate-M
					60	CO3	To discuss and finding out their Potential Positive Quality (PPQ)	Weak-L	Weak-L	Weak-L	Weak-L	Moderate-M	Moderate-M	Moderate-M
56	SEM IV	401220406	T4005	Integrated Disaster Management	60	CO1	To create awareness of various aspects of disasters, its preparedness and management.	Weak-L	Weak-L	Weak-L	Weak-L	Moderate-M	Moderate-M	Strong-H
					60	CO2	To instill knowledge on reducing disasters and capacity building through community participation.	Weak-L	Weak-L	Weak-L	Weak-L	Moderate-M	Moderate-M	Strong-H
					60	CO3	To train students to perform First aid and CPR in an emergency..	Weak-L	Weak-L	Weak-L	Weak-L	Moderate-M	Moderate-M	Strong-H
					60	CO1	To make the students interpret various growth models available to India over the centuries.	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L

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57	SEM IV	401220407	T6284	Contemporary India and The World	60	CO2	To demonstrate these models, their adaptability and suitability and also show impact upon India's developmental strategy.	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO3	To relate the transition from a colonial to a post-colonial society through the medium of literature	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO4	To write, discuss and debates upon the newly created identities like diaspora and third Worldism	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO5	To show the students the cultural connotations of the globalism and localism of India in contemporary world.	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L
58	SEM IV	401220408	T6507	Introduction to Social Justice	60	CO1	To introduce the students to the concepts and practice of social justice in India as is	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO2	To critically examine the issues and practice of social justice in the context of specific	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO3	To locate issues and challenges to the practice of social justice in the present social, political and economic context.	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L
59	SEM IV	401220409	T6604	Political Science	60	CO1	This course will provide students with the background of some of the important theoretical concepts which make up contemporary world.	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO2	The course will help the students in understanding the concepts and also to look critically at some of the major debates that have shaped the contours of these concepts and ideas.	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO3	The course will help the students in engaging with the happenings in the world at large with the aid of these ideas in their institutional practices.	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L
60	SEM IV	401220411	T6477	Theater	60	CO1	To relate to theatre as literature & performing arts.	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO2	To interpret the various elements involve in making	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO3	To use the inputs offered & to write once own prospective.	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO4	To choose to watch a show	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO5	To prepare view point while attempting	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L

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					60	CO6	To practice this form of theatre	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L
61	SEM IV	401220412	T6475	Creative Writing	60	CO1	To Explore classic and modern styles and techniques of writing across genres.	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L
					60	CO2	To Appreciate the aesthetics of selected excerpts.	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L
					60	CO3	To Experiment with ones own writing style.	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L
62	SEM IV	401220413	T6491	Cyber Law	60	CO1	To interpret various types of Cyber crimes	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO2	To apply teaching ways of securing from being a victim of cyber crime	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO3	To relate laws relating to cyber-crimes, social media use, etc.	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L
63	SEM IV	401220414	T6487	Film Appreciation	60	CO1	To demonstrate skills related to watching and listening, to films, comprehension, critical thinking and expression.	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L
					60	CO2	To illustrate the how to understand films.	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L
					60	CO3	To demonstrate a critical grasp on cinematic practices.	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L
64	SEM IV	401220415	T6476	World Music	60	CO1	summarize & Apply debates related to world music, accounting for both their strengths and limitations.	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO2	formulate a unique critical perspective that brings these debates forward	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO3	define and identify the basic elements of musical style, such as scale, rhythm, meter, mode etc	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L
65	SEM IV	40121416	T4973	Introduction to Medical Devices & Instruments (Cardiac Care)	60	CO1	Understand the use the cardiac machines and about the principle, construction, care and maintenance of its various parts.	Weak-L	Strong-H	Weak-L	Moderate-M	Moderate-M	Weak-L	Weak-L
					60	CO2	Aware about the radiation section which is hazardous, if we don't take proper precautions while performing any radiological procedures.	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L	Strong-H	Weak-L
					60	CO3	Handle different machines.	Moderate-M	Moderate-M	Strong-H	Weak-L	Strong-H	Strong-H	Weak-L
					60	CO4	Use and maintain equipment.	Weak-L	Moderate-M	Moderate-M	Weak-L	Moderate-M	Moderate-M	Weak-L
					60	CO5	Complete knowledge about the instrument in cardiac units.	Strong-H	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
66	SEM IV	40121417	T4972	Electrocardiography-II	60	CO1	Understand the use the cardiac machines and about the principle, construction, care and maintenance of its various parts.	Weak-L	Strong-H	Weak-L	Moderate-M	Moderate-M	Weak-L	Weak-L
					60	CO2	Aware about the radiation section which is hazardous, if we don't take proper precautions while performing any radiological procedures.	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L	Strong-H	Weak-L
					60	CO3	Handle different machines.	Moderate-M	Moderate-M	Strong-H	Weak-L	Strong-H	Strong-H	Weak-L
					60	CO4	Use and maintain equipment.	Weak-L	Moderate-M	Moderate-M	Weak-L	Moderate-M	Moderate-M	Weak-L
					60	CO5	Complete knowledge about the instrument in cardiac units.	Strong-H	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L

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67	SEM IV	40121418	T4937	General Biochemistry	60	CO1	Educates the students about the instruments (i.e. Biochemical analyzer) in the clinical laboratory.	Weak-L	Moderate-M	Strong-H	Moderate-M	Weak-L	Strong-H	Weak-L
					60	CO2	Builds strong background and to educate the use of biochemical reaction in testing biochemical abnormality and disease in the clinical laboratory and its importance	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L	Moderate-M	Weak-L
					60	CO3	Educates the students and make them capable of giving result of biochemical abnormality and disease in the clinical laboratory.	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Weak-L	Weak-L
68	SEM IV	40121319	T4981	Bacteriology	60	CO1	Know the structural and biochemical details of the bacterial pathogens.	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L	Weak-L
					60	CO2	Be able to perform preliminary analysis of microscopy and Staining such as Gram staining	Strong-H	Strong-H	Moderate-M	Strong-H	Moderate-M	Weak-L	Weak-L
					60	CO3	Identify the bacteria using different and specialized cultural media, cultural methods and Biochemical tests.	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L
					60	CO4	Understand the functioning of the clinical lab and the role of clinical technicians	Weak-L	Strong-H	Moderate-M	Weak-L	Moderate-M	Strong-H	Strong-H
					60	CO5	Know the importance and standard protocols of Biomedical Waste Management	Strong-H	Strong-H	Weak-L	Weak-L	Moderate-M	Moderate-M	Moderate-M
69	SEM IV	401210420	T4982	Diagnostic Microbiology- Basic	60	CO1	To isolate an organism from clinical samples to obtain pure cultures.	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L	Weak-L
					60	CO2	Differentiate pathogenic and non pathogenic bacteria using culture media, biochemical tests and various other tests.	Strong-H	Moderate-M	Moderate-M	Strong-H	Strong-H	Weak-L	Weak-L
					60	CO3	Have the knowledge of antibiotic resistance and be able to perform, interpret the same using antibiotic sensitivity tests	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L
					60	CO4	Associate different pathogens with systemic microbial infections.	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L
					60	CO5	Link pathogens with various diseases and conditions.	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L

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70	SEM IV	401210421	T4978	Introduction to Equipment & Instruments (Clinical Laboratory)	60	CO1	Understand the principle of working, construction, operation & uses of equipment & instruments used in Clinical Laboratory	Strong-H	Weak-L	Strong-H	Moderate-M	Weak-L	Moderate-M	Weak-L
					60	CO2	To know cleaning, handling, care, common troubleshooting, maintenance etc. of these equipment. & instruments	Strong-H	Weak-L	Strong-H	Moderate-M	Weak-L	Moderate-M	Weak-L
71	SEM IV	401210422	T4980	Introduction to Medical Devices and Instruments (Dialysis)	60	CO1	Experts in working, construction, cleaning, trouble shooting maintenance of hemodialysis and peritoneal dialysis equipments	Weak-L	Weak-L	Strong-H	Strong-H	Strong-H	Strong-H	Weak-L
					60	CO2	Confident to conduct routine equipment management procedures including calibration, validation prior to clinical use.	Weak-L	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H	Weak-L
72	SEM IV	401210423	T4979	Principles of Haemodialysis II	60	CO1	Perform haemodialysis processing efficiently	Weak-L	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L
					60	CO2	Must be aware of the principles of operation and function of different dialysis machines.	Weak-L	Strong-H	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L
					60	CO3	Empathetic communication with patients	Weak-L	Moderate-M	Strong-H	Strong-H	Weak-L	Strong-H	Weak-L
					60	CO4	Understand the safety precautions in the dialysis procedure	Weak-L	Weak-L	Strong-H	Moderate-M	Weak-L	Strong-H	Weak-L
					60	CO5	Be able to handle complications during dialysis	Moderate-M	Weak-L	Moderate-M	Strong-H	Weak-L	Moderate-M	Weak-L
73	SEM IV	401210431	T4984	Introduction to Medical Devices and Instruments (Operation Theatre & Anaesthesia)	60	CO1	Able to work in Operation Theater, recovery room, surgical I.C.U. etc.	Strong-H	Weak-L	Moderate-M	Strong-H	Weak-L	Strong-H	Weak-L
					60	CO2	Aware of electrical hazards	Strong-H	Weak-L	Weak-L	Moderate-M	Moderate-M	Moderate-M	Weak-L
					60	CO3	Proper arrangement of surgical & anesthesia equipment to see that they are in working order	Moderate-M	Weak-L	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L
74	SEM IV	40121432	T4983	Procedures Prior & During Anaesthesia	60	CO1	Able to administer pre anaesthesia medication and offer psychological support to patient pre â€“ operatively.	Moderate-M	Strong-H	Strong-H	Weak-L	Moderate-M	Weak-L	Weak-L
					60	CO2	Understand and evaluate the risks involved in anaesthesia	Weak-L	Moderate-M	Strong-H	Strong-H	Weak-L	Strong-H	Weak-L
					60	CO3	Preoperative monitoring during anesthesia for safe outcome of surgery.	Weak-L	Weak-L	Strong-H	Strong-H	Strong-H	Strong-H	Weak-L
					60	CO4	Manage Postoperative pain.	Weak-L	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Weak-L
					60	CO5	Maintain I.V. line, oxygen therapy etc. in surgical I.C.U.	Weak-L	Moderate-M	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L
75	SEM IV	401210435	T4975	Introduction to medical devices & Instruments (Respiratory Therapy)	60	CO1	To have knowledge of various respiratory care devices and equipments.	Strong-H	Moderate-M	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L
					60	CO2	Patient Response and Monitoring	Strong-H	Moderate-M	Weak-L	Strong-H	Moderate-M	Weak-L	Weak-L
					60	CO3	To be able to Calibrate and Handle Respiratory care devices	Strong-H	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L
					60	CO4	Should be able to perform various diagnostic procedure of respiratory care	Strong-H	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L
					60	CO5	To be able to interpret various diagnostic reports such as ABG etc	Strong-H	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L

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76	SEM IV	40121436	T4974	Respiratory Therapy Technology II	60	CO1	To have the basic understanding and applications of Medical gas laws in respiratory equipment	Weak-L	Weak-L	Strong-H	Strong-H	Weak-L	Strong-H	Weak-L
					60	CO2	To be able to perform delivery of medical gas to the patients in ICU	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L
					60	CO3	To know the basic indications & contraindications of various respiratory care procedure	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L	Weak-L
					60	CO4	To be able to perform basic respiratory therapy interventions	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L	Weak-L
					60	CO5	To be able to interpret various diagnostic reports such as ABG etc	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L	Weak-L
77	SEM V	401210514	T4992	Principles of Peritoneal Dialysis & other Procedures	60	CO1	Be able to describe the principles of peritoneal dialysis techniques	Weak-L	Strong-H	Weak-L	Strong-H	Strong-H	Strong-H	Weak-L
					60	CO2	Perform CAD	Strong-H	Moderate-M	Weak-L	Strong-H	Strong-H	Moderate-M	Weak-L
					60	CO3	Communicate with a patient about Peritoneal dialysis	Strong-H	Weak-L	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L
					60	CO4	Treatment options in intensive care settings	Strong-H	Strong-H	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L
78	SEM V	401210515	T4551	Applied Management in Renal Care Unit	60	CO1	The major components of management which will make then confident of handling day to day activities and management in a much more confident way and it will prepare to take up managerial responsibility of diagnostic division	Moderate-M	Strong-H	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-M
					60	CO2	It will help to perform the management	Strong-H	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M
79	SEM V	401210516	T4993	Water Treatment in Dialysis	60	CO1	Describe different types of water sources and methods of treatment employed for water treatment.	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L
					60	CO2	Knowledge of classification of contaminants. Potable water regulations and necessity to treat potable water for use in dialysis.	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L
					60	CO3	Need for chemical limits.	Strong-H	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L
					60	CO4	Evaluation of water quality, including hardness and Disinfection & monitoring of water treatment.	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L	Weak-L
					60	CO5	Flow characteristics of distribution systems	Strong-H	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L
					60	CO6	Methods of sanitization of the water treatment system and Rinsing protocols.	Strong-H	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L
80	SEM V	401210517	T4989	Operations of Magnetic Resonance Imaging	60	CO1	The course should help the students have a basic working knowledge of the main imaging modalities and also help them actually use it in practice. It should help them achieve a level so that they can function as technologists.	Weak-L	Moderate-M	Weak-L	Strong-H	Strong-H	Weak-L	Weak-L
					60	CO2	The course will help students to handle the patients.	Weak-L	Moderate-M	Strong-H	Strong-H	Strong-H	Weak-L	Moderate-M
					60	CO3	This course will help students to use modality efficiently.	Weak-L	Weak-L	Moderate-M	Strong-H	Strong-H	Weak-L	Weak-L

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81	SEM V	401210518	T4094	Applied Management in Radiology Unit	60	CO1	Provides major components of management which will make them confident of handling day to day activities and management in a much more confident way in Radiology unit.	Moderate-M	Strong-H	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-M
					60	CO2	Prepare a student to take up managerial responsibility of diagnostic division or Radiology unit.	Strong-H	Moderate-M	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M
82	SEM V	401210519	T4988	Physics and Instrumentation of Magnetic Resonance Imaging	60	CO1	Understand basic physics and working principles of MRI.	Strong-H	Moderate-M	Weak-L	Moderate-M	Weak-L	Moderate-M	Weak-L
					60	CO2	Develop the knowledge of instrumentation utilized in MRI.	Strong-H	Moderate-M	Moderate-M	Strong-H	Weak-L	Weak-L	Weak-L
					60	CO3	Make use of encoding and sequences for data collection for clinical image formation.	Weak-L	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO4	Knowledge of different phenomena in MRI and latest modalities with its applications.	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L
83	SEM V	401210526	T4994	Advanced Sterilization Techniques & Infection Control in Operation Theatre	60	CO1	Understand the concept & importance of infection control and hospital acquired infection	Strong-H	Strong-H	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L
					60	CO2	Implement the infection control practices in the OT	Moderate-M	Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H	Weak-L
					60	CO3	Understand & perform instrument and equipment cleaning, disinfection and sterilization techniques	Moderate-M	Strong-H	Moderate-M	Strong-H	Weak-L	Strong-H	Weak-L
					60	CO4	Be aware of the aspects of safety of the OT personnel	Weak-L	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L
					60	CO5	Be able to handle, segregate and dispose biomedical waste material as per the rules and regulations	Weak-L	Weak-L	Moderate-M	Weak-L	Moderate-M	Weak-L	Weak-L
84	SEM V	401210526	T4490	Advanced Sterilization Techniques	60	CO1	Knowledge of effective sterilization practices in the operation theaters which is an essential component in prevention of surgery associated infections.	Moderate-M	Moderate-M	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L
					60	CO2	The technologist will be aware of various aspects of surgical procedures & instruments that are necessary, the order in which they will be required & their sterilization	Moderate-M	Strong-H	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L
					60	CO3	Understand & perform various methods of sterilization efficiently and maintain the data as per the requirements of Operation Theatre	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H	Weak-L
					60	CO4	Must be aware of basic principles of microbiology & sterilization and perform sterilization procedure efficiently.	Weak-L	Weak-L	Moderate-M	Weak-L	Moderate-M	Weak-L	Weak-L
					60	CO5	Must be aware of microbiological surveillance in the OT	Strong-H	Moderate-M	Weak-L	Moderate-M	Weak-L	Moderate-M	Weak-L
				Applied Management in OT and	60	CO1	Students will learn the important aspects of managing the OT & anaesthesia department.	Moderate-M	Strong-H	Moderate-M	Moderate-M	Weak-L	Moderate-M	Strong-H

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91	SEM VI	40121602	T4568	Soft Skills for Allied Health Professionals - II	60	CO1	Students must reflect upon their own learning, performance and/or achievement and plan for their personal, educational and career development.	Strong-H	Strong-H	Weak-L	Strong-H	Moderate-M	Strong-H	Weak-L
					60	CO2	Become more effective, independent and confident self-directed learners;	Moderate-M	Strong-H	Weak-L	Weak-L	Weak-L	Moderate-M	Weak-L
					60	CO3	Improve their general skills for study and career management;	Strong-H	Moderate-M	Weak-L	Strong-H	Weak-L	Weak-L	Weak-L
					60	CO4	Articulate their personal goals and evaluate progress towards their achievement	Weak-L	Strong-H	Strong-H	Moderate-M	Weak-L	Strong-H	Weak-L
					60	CO5	Develop a positive attitude to learning throughout life.	Weak-L	Moderate-M	Strong-H	Strong-H	Strong-H	Strong-H	Weak-L
92	SEM VI	401210603	T4573	Biomedical Waste Management	60	CO1	To understand the importance of Biomedical waste and the legal implications of it	Strong-H	Weak-L	Weak-L	Moderate-M	Strong-H	Strong-H	Weak-L
					60	CO2	Understand and implement the correct methods of segregation of biomedical waste.	Moderate-M	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H	Weak-L
					60	CO3	Must know about the handling, disposal & treatment of biomedical waste.	Strong-H	Strong-H	Strong-H	Weak-L	Strong-H	Weak-L	Weak-L
					60	CO4	Follow precautions to prevent health hazards caused by biomedical waste.	Strong-H	Moderate-M	Moderate-M	Strong-H	Weak-L	Weak-L	Weak-L
93	SEM VI	401210604	T4574	Continuous Quality Improvement	60	CO1	Explain the concept of Continuous Quality improvement and its significance.	Moderate-M	Strong-H	Strong-H	Weak-L	Strong-H	Moderate-M	Weak-L
					60	CO2	Understand and describe the tools to achieve the continuous quality improvement .	Moderate-M	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L
					60	CO3	Understand the significance of implementation and monitoring of continuous quality improvement in the era of accreditation.	Weak-L	Strong-H	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L
					60	CO4	Correlate the processes with respect to continuous quality improvement	Strong-H	Weak-L	Weak-L	Strong-H	Weak-L	Strong-H	Weak-L
94	SEM VI	401210605	T4575	Research Proposal Writing	60	CO1	Describe the format of a research proposal	Weak-L	Weak-L	Weak-L	Strong-H	Strong-H	Weak-L	Weak-L
					60	CO2	Understand the key components of research proposal.	Weak-L	Weak-L	Weak-L	Moderate-M	Strong-H	Weak-L	Weak-L
					60	CO3	Understand the various effective writing styles.	Weak-L	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L	Weak-L
					60	CO4	Demonstrate the process of selecting a relevant problem.	Weak-L	Weak-L	Weak-L	Strong-H	Strong-H	Weak-L	Weak-L
95	SEM VI	401210606	T4997	Cardiac Catheterization - Basic	60	CO1	Work in the operation theatre, pre operative preparation room, post operative room and endoscopy clinic etc.	Strong-H	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Weak-L
					60	CO2	Work in the postoperative recovery room, surgical ICU.	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L
					60	CO3	Understand & perform sterilization procedure efficiently as per the requirements of Operation Theatre.	Strong-H	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M	Weak-L
					60	CO4	Practice universal safety precautions in Cardiac Catheterization Theatre and maintaining Data.	Moderate-M	Strong-H	Moderate-M	Moderate-M	Moderate-M	Moderate-M	Weak-L

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					60	CO5	Practice aseptic Techniques to assist for cardiac catheterization.	Moderate-M	Moderate-M	Moderate-M	Weak-L	Moderate-M	Weak-L	Weak-L
96	SEM VI	401210607	T4996	Advanced Cardiac Life Support (ACLS)	60	CO1	Perform effective CPR for infant, child and adult.	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO2	Should be able to use airway adjuncts, AED, Defibrillator	Moderate-M	Weak-L	Strong-H	Weak-L	Moderate-M	Weak-L	Weak-L
					60	CO3	Should be able to administer medications to emergency patients	Strong-H	Weak-L	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L
					60	CO4	Should be able to demonstrate megacodes and solve given case scenarios	Strong-H	Weak-L	Strong-H	Strong-H	Weak-L	Strong-H	Weak-L
					60	CO5	Should know the algorithms for Cardiac arrest, stroke, Acute Coronary syndrome	Strong-H	Weak-L	Strong-H	Strong-H	Weak-L	Strong-H	Weak-L
					60	CO1	Rebrush students knowledge about basic physics of radiation	Strong-H	Strong-H	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L
97	SEM VI	401210608	T4998	Nuclear Medicine Technology	60	CO2	Make use of physics principals and develop knowledge of radiation generating equipments and use of different detectors.	Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L
					60	CO3	Understand physical and chemical properties of different radiopharmaceuticals;their methods of generation and biological compatibility/applications	Moderate-M	Strong-H	Moderate-M	Weak-L	Strong-H	Weak-L	Weak-L
					60	CO4	Understand planning,quality assurance and waste management of Nuclear Medicine facility from radiation safety point of view.	Strong-H	Weak-L	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L
					60	CO5	Knowledge of instruments used in nuclear medicine and their working principles	Moderate-M	Moderate-M	Weak-L	Strong-H	Weak-L	Weak-L	Weak-L
					60	CO1	Should know the histopathological techniques for tissue processing and taking frozen sections	Weak-L	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L
98	SEM VI	401210609	TH4092	Histopathology & Cytology	60	CO2	Must be able to assist the pathologist during the processing, trimming and grossing of the tissues received for histopathological examination.	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H	Weak-L
					60	CO3	Should be able to perform basic tissue stains like H & E staining and special stains like Congo red, PAS, reticulin stain	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H	Weak-L
					60	CO1	Understand the concepts of Enzymology alongwith the Theoretical and practical details	Moderate-M	Moderate-M	Strong-H	Weak-L	Strong-H	Strong-H	Weak-L
99	SEM VI	401210610	TH4005	Enzymology and Advanced Techniques	60	CO2	Understand endocrine glands, the hormones secreted and their clinical significance.	Moderate-M	Moderate-M	Moderate-M	Strong-H	Strong-H	Weak-L	Weak-L
					60	CO3	Demonstrate the various analytical Techniques and instrumentation involved in diagnostic laboratory.	Weak-L	Weak-L	Moderate-M	Strong-H	Moderate-M	Strong-H	Weak-L
					60	CO4	Knowledge of the methods of evaluation, statistical techniques and informatics in laboratory operations	Moderate-M	Strong-H	Strong-H	Moderate-M	Moderate-M	Weak-L	Weak-L
					60	CO1	Understand the concepts of Enzymology alongwith the Theoretical and practical details	Moderate-M	Moderate-M	Strong-H	Weak-L	Strong-H	Strong-H	Weak-L

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100	SEM VI	401210611	TH4006	Basics of Diagnostic Immunology	60	CO1	Know the structure of immunological components such as Antigens, Antibodies, Complement system, Immune cells and organs.	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H	Weak-L	Weak-L
					60	CO2	Understand the antigen and antibody reactions, hypersensitivity reactions and autoimmune disorders.	Strong-H	Moderate-M	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L
					60	CO3	Know the principles and working of serological testing for various immunological tests used for detection of pathogens such as bacteria, viruses and protozoa.	Strong-H	Moderate-M	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L
					60	CO4	Be able to perform various serological tests and be able interpret the results as per standard guidelines	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L
					60	CO5	Keep updated with newer advances in the techniques and automation in immunology	Weak-L	Moderate-M	Moderate-M	Moderate-M	Strong-H	Weak-L	Weak-L
101	SEM VI	401210612	TH4007	Virology and Mycology - Basic	60	CO1	Perform various laboratory techniques for diagnosis of viral and fungal infections.	Strong-H	Strong-H	Weak-L	Weak-L	Weak-L	Strong-H	Weak-L
					60	CO2	Method of collection & preservation of different specimens & transportation to the laboratory .	Moderate-M	Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H	Weak-L
					60	CO3	Carry out macroscopic & microscopic examination of different specimens and perform a primary smear examination.	Moderate-M	Strong-H	Moderate-M	Strong-H	Weak-L	Strong-H	Weak-L
					60	CO4	Cultivate & identify the fungi and report preparation..	Weak-L	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L	Weak-L
					60	CO5	Understand various viral and fungal infections, mode of transmission and pathogenesis	Weak-L	Weak-L	Moderate-M	Weak-L	Moderate-M	Weak-L	Weak-L
102	SEM VI	401210613	TH4010	Safety Practices and Patient Care in Dialysis	60	CO1	Understand the health and safety regulations and follow the standard precautions	Strong-H	Strong-H	Weak-L	Strong-H	Strong-H	Strong-H	Weak-L
					60	CO2	Handling emergencies in nephrology like cardiac arrest, hemorrhage	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO3	Have knowledge about risks associated with dialysis and the preventive measures	Moderate-M	Weak-L	Strong-H	Weak-L	Moderate-M	Weak-L	Weak-L
					60	CO4	Handling complications during dialysis procedures.	Strong-H	Weak-L	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L
103	SEM VI	401210614	TH4009	Common Investigations in Dialysis	60	CO1	Knowledge of collection of proper specimen for investigations.	Moderate-M	Strong-H	Moderate-M	Strong-H	Strong-H	Strong-H	Weak-L
					60	CO2	Understanding the results & correlate it with the disease & dialysis.	Moderate-M	Strong-H	Moderate-M	Strong-H	Weak-L	Strong-H	Weak-L
104	SEM VI	401210615	TH4008	Quality Assurance	60	CO1	Understanding of Concept of Quality and Quality Standards applicable to dialysis.	Moderate-M	Strong-H	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L
					60	CO2	Understanding of auditing procedures	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H	Weak-L
					60	CO3	Well versed with Calculations for sets of data, including Mean, Mode, Median, Range and Standard Deviation, Graphical data presentation methods.	Weak-L	Weak-L	Moderate-M	Weak-L	Moderate-M	Weak-L	Weak-L

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					60	CO4	Understand the need for Quality Assurance in dialysis water systems.	Strong-H	Moderate-M	Weak-L	Moderate-M	Weak-L	Moderate-M	Weak-L
105	SEM VI	401210616	TH4003	Interventional Radiology	60	CO1	Able to assist intervention radiologist with different procedures like angiography, angioplasty and stenting.	Moderate-M	Weak-L	Strong-H	Weak-L	Moderate-M	Weak-L	Weak-L
					60	CO2	To be able to handle and assist in emergency situations during procedures	Moderate-M	Strong-H	Moderate-M	Weak-L	Weak-L	Moderate-M	Weak-L
					60	CO3	Knowledge about radiation protection principle, ALARA and radiation protection devices	Strong-H	Strong-H	Weak-L	Strong-H	Moderate-M	Moderate-M	Weak-L
					60	CO4	Knowledge about devices used during procedures	Strong-H	Strong-H	Moderate-M	Strong-H	Weak-L	Moderate-M	Weak-L
					60	CO1	Detailed knowledge of tools & techniques used in imaging sciences	Moderate-M	Moderate-M	Strong-H	Weak-L	Strong-H	Strong-H	Weak-L
106	SEM VI	401210617	TH4004	Latest Developments in Imaging	60	CO2	Students must be aware of the new technological advances in the field of imaging sciences	Moderate-M	Moderate-M	Moderate-M	Strong-H	Strong-H	Weak-L	Weak-L
					60	CO1	Able to interpret the radiographic images of CT & MRI	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M	Weak-L
107	SEM VI	401210618	TH4002	Cross Sectional Anatomy	60	CO2	Better understanding of the medical conditions to identify pathologies	Moderate-M	Weak-L	Strong-H	Weak-L	Moderate-M	Weak-L	Weak-L
					60	CO3	In-depth knowledge and understanding of cross sectional anatomy of various organs	Strong-H	Weak-L	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L
					60	CO1	Able to take care of the patient from the operative period till his complete recovery from anesthesia in all aspects.	Moderate-M	Weak-L	Strong-H	Strong-H	Strong-H	Strong-H	Weak-L
108	SEM VI	401210624	TH4011	Assistance in Speciality Surgical Procedures	60	CO2	Able to assist surgeons and anaesthesiologists by handling special equipment needed for Cardiothoracic, neuro, pediatric, orthopaedic surgery and anesthesia	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO1	Students should be able to monitor patients post operatively in the recovery room and surgical ICU	Strong-H	Strong-H	Weak-L	Strong-H	Strong-H	Strong-H	Weak-L
109	SEM VI	401210625	TH4012	Post Operative Care	60	CO2	Be able to handle monitors, ventilators, medical gases in the recovery area	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO3	Understand the importance of IV fluid therapy, Blood transfusion, pain therapy in post operative care	Moderate-M	Weak-L	Strong-H	Weak-L	Moderate-M	Weak-L	Weak-L
					60	CO1	Able to explain the concepts of microbiology, common pathogenic bacteria, hospital acquired infections.	Strong-H	Strong-H	Weak-L	Strong-H	Strong-H	Strong-H	Weak-L
110	SEM VI	401210628	T4177	Infection Control in Respiratory Care	60	CO2	Should practice various infection control methods.	Strong-H	Moderate-M	Strong-H	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO3	Understand importance of cleaning, equipment handling, patient handling & personal hygiene in infection control & practice them efficiently.	Moderate-M	Weak-L	Strong-H	Weak-L	Moderate-M	Weak-L	Weak-L
					60	CO4	Practice Biomedical waste segregation and disposal as per the rules and regulations	Strong-H	Weak-L	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L
					60	CO1	Able to explain the concepts of microbiology, common pathogenic bacteria, hospital acquired infections.	Strong-H	Strong-H	Weak-L	Strong-H	Strong-H	Strong-H	Weak-L

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111	SEM VI	401210629	TH4001	Neonatal and Pediatric Respiratory Care – Basic	60	CO1	Should have understanding & knowledge of fetal growth & development	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Weak-L
					60	CO2	To be able to perform the basic assessment of the neonate	Strong-H	Strong-H	Weak-L	Weak-L	Strong-H	Moderate-M	Weak-L
					60	CO3	To understand the basic knowledge of disease, its etiology & management.	Moderate-M	Strong-H	Moderate-M	Weak-L	Strong-H	Weak-L	Weak-L
					60	CO4	Should be able to perform mechanical ventilation and basic therapeutic interventions in Neonatal & pediatric ICU	Moderate-M	Strong-H	Moderate-M	Strong-H	Weak-L	Weak-L	Weak-L
					60	CO5	Should be able to assist various respiratory care procedures in Neonatal & pediatric ICU	Strong-H	Strong-H	Moderate-M	Weak-L	Weak-L	Weak-L	Weak-L
112	SEM VI	401210630	T4999	Pulmonary Rehabilitation and Home Care	60	CO1	To understand the scope of pulmonary rehabilitation and patient goals	Strong-H	Weak-L	Moderate-M	Moderate-M	Strong-H	Moderate-M	Weak-L
					60	CO2	To be able to achieve these goals through patient and family education, exercise training, psychosocial and behavioral intervention, and outcome assessment.	Weak-L	Strong-H	Strong-H	Weak-L	Weak-L	Weak-L	Weak-L
					60	CO3	Must carry out effective patient assessment and be able to decide on therapeutic interventions based on the assessment	Strong-H	Strong-H	Weak-L	Weak-L	Moderate-M	Weak-L	Weak-L
					60	CO4	Have a disease specific approach in pulmonary rehabilitation	Strong-H	Strong-H	Weak-L	Weak-L	Moderate-M	Moderate-M	Weak-L
					60	CO5	Be able to provide home respiratory care	Weak-L	Strong-H	Moderate-M	Strong-H	Strong-H	Moderate-M	Weak-L