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Sr. No.	GA No.	Graduate Attributes	PO No.	Programme Outcomes
1	GA1	Scholarship: research, inquiry and lifelong learning	PO1	To mentor students in the technological aspects of Assisted reproduction and related medical field with a robust 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 groom students to competently assist the Clinician and IVF experts, especially in high-tech medical procedures to cater to the health care industry globally.
3	GA1	Scholarship: research, inquiry and lifelong learning	PO3	To coach the students to adapt to the continuous & emerging advancements in the field of Assisted reproduction Technology.
4	GA1	Scholarship: research, inquiry and lifelong learning	PO4	To train students in developing their research interests.
5	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	PO5	To develop the teaching ability and improve their interest in academics.
6	GA2	Global citizenship: ethical, social and professional understanding	PO6	To refine 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 hone the practical skills to make them industry ready.
8	GA3	Eco-literate: sensitivity towards a sustainable environment	PO8	To cultivate the sensitivity towards society & empathy towards the patients.

Sr. No.	Semester	Institute Course Code	Catalog Course Code	Title	Target	Course Outcome No	Course Outcome Statement	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
	SEM I	040143110 - PP	T4818	Biochemistry	60	CO1	To learn about the instruments (i.e. biochemical analyzer) in the clinical laboratory.	Strong-H	Weak-L	Strong-H	Moderate-M	Strong-H	Weak-L	Strong-H	Strong-H
					60	CO2	To gain deep knowledge of the use of biochemical reaction in testing in the clinical laboratory	Strong-H	Weak-L	Strong-H	Moderate-M	Strong-H	Weak-L	Strong-H	Strong-H
					60	CO3	To be able to use the knowledge for conducting various biochemical tests in the clinical laboratory	Strong-H	Weak-L	Strong-H	Moderate-M	Strong-H	Weak-L	Strong-H	Strong-H
					60	CO4	Learn to interpret the result of biochemical test in the clinical laboratory.	Strong-H	Weak-L	Strong-H	Moderate-M	Strong-H	Weak-L	Strong-H	Strong-H
4	SEM I	040143104 - PP	T4495	IT Applications for Allied Health Care	60	CO1	Learn IT applications in medicine and allied health care field	Moderate-M	Moderate-M	Moderate-M	Strong-H	Strong-H	Weak-L	Strong-H	Strong-H
4					60	CO2	Introduction to health informatics	Weak-L	Strong-H	Strong-H	Moderate-M	Moderate-M	Strong-H	Weak-L	Strong-H
1	SEM I	040143101 - PP	T2225	Biostatistics & Basic Epidemiology	60	CO1	To explain various concepts in epidemiology	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
1					60	CO2	Contribution to students intellectually and professionally	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H
1					60	CO3	To make them experts in rational approach in with analytical mind for all problems	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderate-M	Strong-H	Strong-H

1					60	CO4	To make students aware of the recent trend in the subject taught	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
2	SEM I	040143102 - PP	T4497	Research Methodology		CO1	To understand the importance & Methodology for research	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
2						CO2	To understand& able to do review of Literature & hypothesis	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
2						CO3	To learn in detail about sampling,probability,and sampling distribution,significance tests,corelation.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
2						CO4	To have an idea of how to read,interpret and write a scientific document	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
	SEM I	401460107	TH4356	Semenology Techniques-I	60	CO1	To understand general Semenology techniques.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO2	To be able to learn ,demonstrate and understand SOP's of techniques.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO3	To understand and be able to perform the semen analysis consisting of a series of tests that evaluate the quality and quantity of the sperm.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO4	To demonstrate skills to assist Embryologist.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
	Sem I	401460108	T4498	IT Applications for Allied	60	CO1	Learn IT applications in medicine and allied health carte field	Moderat e-M	Moderat e-M	Moderat e-M	Strong-H	Strong-H	Weak-L	Strong-H	Strong-H
					60	CO2	Introduction to health informatics	Weak-L	Strong-H	Strong-H	Moderat e-M	Moderat e-M	Strong-H	Weak-L	Strong-H
		401460109	T4499	Medical Physics	60	CO1	To provide basic knowledge of physics in medicine	Moderat e-M	Weak-L	Weak-L	Moderat e-M	Moderat e-M	Moderate-M	Moderate-M	
					60	CO2	Physical principles & its interaction with tissue	Strong-H	e-M	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
		401460111	T4577	Research Proposal Writing	60	CO1	To develop the presentation skills& research teaching ability among students.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Moderate-M	Strong-H
					60	CO2	To help students to discuss concepts and writing of research proposals.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
	sem II	401460201	TH4087	Review of Literature	60	CO1	To conduct a literature review on the topic that has been finalized	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Moderate-M	Strong-H
					60	CO2	To finalized the literature review that can be in reasearch proposal	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
	sem II	401460202	TH4346	Developmental Biology	60	CO1	To understand th concepts of embryo development.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO2	To understand methodologies specifically used to study the process of embryonic development in humans.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO3	To make them experts in rational approaches with an analytical mind for all problems in embryo development.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO4	Learn to interfere the result of development biology test in the clinical laboratory.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
	sem II	401460203	TH4348	Instrumentation in Assisted Reproduction (ART) & Embryology	60	CO1	The objective of this course is to provide a comprehensive understanding of the concepts of embryo development.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO2	To able methodologies specifically used to study the process of embryonic development in humans	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO3	To make them experts in rational approaches with an analytical mind for all problems in instrumentation.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H

					60	CO4	To make them experts in rational approaches with an analytical mind for all problems in instrumentation.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
sem II	401460204	T2216	Business Statistics		60	CO1	To explain various concepts in statistics in business.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
					60	CO2	To Contribution to students intellectually and professionally	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
sem II	401460205	T4023	Pathology and Case Presentation-I		60	CO1	To develop the Case presentation skills & teaching ability among students.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H
					60	CO2	To Contribution to students intellectually and professionally on case presentation.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
sem II	401460207	TH4357	Semenology Techniques- II		60	CO1	To understand general Semenology techniques.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO2	To be able to learn ,demonstrate and understand SOP's of techniques.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO3	To understand and be able to perform the semen analysis consisting of a series of tests that evaluate the quality and quantity of the sperm.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO4	To demonstrate skills to assist Embryologist.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
sem II	401460208	TH4462	Nutrition and Fertility		60	CO1	To Learn the role of nutrients, foods, and diet on human fertility.	Moderat e-M	Strong-H	Strong-H	Weak-L	Strong-H	Strong-H	Weak-L	Strong-H
					60	CO2	Understand the association between nutrition and fertility in Humans.	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L	Weak-L	Strong-H	Moderate-M
sem II	401460209	TH4488	Pharmacology in Gynaecological Disorders		60	CO1	To Give a comprehensive understanding of the drugs used in managing fertility.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO2	Understand the important drugs used in managing fertility.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
sem II	401460210	T4006	Integrated Disaster Management		60	CO1	To understand methodologies specifically for Disaster management	Moderat e-M	Strong-H	Strong-H	Weak-L	Strong-H	Strong-H	Weak-L	Strong-H
					60	CO2	It will help to perform the management among students.	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L	Weak-L	Strong-H	Moderate-M
sem III	401460211	T4438	Computer Language		60	CO1	To give a knowledge about concept of computer and to build a strong backgrounds language.	Moderat e-M	Strong-H	Strong-H	Weak-L	Strong-H	Strong-H	Weak-L	Strong-H
					60	CO2	It will help to perform the computer competency among students.	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L	Weak-L	Strong-H	Moderate-M
sem III	401460212	T4501	Emerging Trends in Allied Health Care		60	CO1	To be aware of the emerging trends would empoeer the students understand the mechanics of various newer activities in the hospital.	Strong-H	Moderat e-M	Strong-H	Strong-H	Strong-H	Moderat e-M	Moderate-M	Moderate-M
					60	CO2	To be able to do a cost benefit analysis of these trends	Moderat e-M	Strong-H	Moderat e-M	Moderat e-M	Moderat e-M	Strong-H	Strong-H	Strong-H
sem III	401460301	TH4345	Cytogenetics		60	CO1	To understand of the concepts of embryo development.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO2	methodologies specifically used to study the process of embryonic development in humans	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO3	To make them experts in rational approaches with an analytical mind for all problems in embryo development.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO4	Understand the association between cells and fertility in Humans.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
sem III	401460302	TH4490	Procedures used in Assisted Reproduction Technology		60	CO1	To understand different procedures used in Assisted Reproduction Technology and train students accordingly.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO2	To understand and perform In vitro procedures.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO3	To understand and perform In vitro procedures and technicalities.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO4	To learn training in the hospital and working with patients.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H

	sem III	401460303	TH4355	Semen Washing Techniques	60	CO1	To understand of the concepts of embryo development.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO2	methodologies specifically used to study the process of embryonic development in humans	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO3	To make them experts in rational approaches with an analytical mind for all problems in embryo development.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO4	Understand the association between cells and fertility in Humans.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
	sem III	401460304	TH4340	Applied Management in Embryology Clinic	60	CO1	Work in the operation theatre, pre operative preparation room, post operative room and endoscopy clinic etc.	Moderat e-M	Strong-H		Strong-H	Strong-H	Moderat e-M	Moderate-M	Moderate-M
					60	CO2	Work in the postoperative recovery room, surgical ICU.	Strong-H	Strong-H	Moderat e-M	Weak-L	Weak-L	Moderat e-M	Moderate-M	Moderate-M
					60	CO3	Understand & perform sterilization procedure efficiently as per the requirements of Operation Theatre.	Strong-H	Moderat e-M	Strong-H	Strong-H	Moderat e-M	Moderat e-M	Moderate-M	Moderate-M
					60	CO4	Practice universal safety precautions in Embryology clinic and maintaining Data	Moderat e-M	Strong-H	Strong-H	Moderat e-M	Moderat e-M	Strong-H	Moderate-M	Moderate-M
	sem III	401460305	T4043	Pathology and Case Presentation-II	60	CO1	The subject will discuss different approaches to judgment and decision making from an analytical perspective.	Moderat e-M	Strong-H	Strong-H	Weak-L	Strong-H	Strong-H	Weak-L	Strong-H
					60	CO2	Students will be exposed to tools that they can use in their professional practice to make and evaluate their judgment and decision making	Strong-H	Strong-H	Strong-H	Weak-L	Weak-L	Weak-L	Strong-H	Moderate-M
					60	CO3	Abnormality Recognition, Judgment and decision making regarding lab techniques, its protocols, clinical indications, pathology shown and patient management.	Strong-H	Strong-H	Strong-H	Moderat e-M	Moderat e-M	Weak-L	Strong-H	Moderate-M
	sem III	401460306	T4902	Summer Internship	60	CO1	Cultivate ability to manage various operations.	Strong-H	Moderat e-M	Moderat e-M	Strong-H	Moderat e-M	Strong-H	Moderate-M	Moderate-M
					60	CO2	To prepare the candidate for taking up actual work assignment after placement.	Moderat e-M	Strong-H	Strong-H	Moderat e-M	Moderat e-M	Moderat e-M	Moderate-M	Moderate-M
					60	CO3	To promote experiential learning with application of theoretical knowledge acquired to actual working environment.	Moderat e-M	Moderat e-M	Strong-H	Strong-H	Moderat e-M	Moderat e-M	Moderate-M	Strong-H
	sem III	401460307	T4497	Teaching Methodology - I	60	CO1	To develop the presentation skills& teaching ability among students	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Moderate-M	Strong-H
					60	CO2	To help students to discuss concepts	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO3	To encourage students in detail studies and analysis of subject thought	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO4	To make students aware of the recent trend in subject taught	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
	sem III	401460308	TH4489	Follicle Monitoring and Stimulation Protocols	60	CO1	The objective of this course is to provide a comprehensive understanding of the follicle monitoring & stimulation.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO2	Students taking this course must develop a critical appreciation of methodologies specifically used to study the process of follicle stimulation in humans.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
	sem III	401460309	T4571	Hospital Information System	60	CO1	Explain various concepts of information & information processing	Strong-H	Moderat e-M	Strong-H	Moderat e-M	Moderat e-M	Moderat e-M	Weak-L	Weak-L
					60	CO2	Illustrating principles of IT	Strong-H	Strong-H	Strong-H	Weak-L	Moderat e-M	Weak-L	Moderate-M	Weak-L
					60	CO3	Arrive at solutions to define roles & processes of IT	Strong-H	Moderat e-M	Strong-H	Weak-L	Weak-L	Weak-L	Moderate-M	Weak-L

	sem III	401460310	T4801	Community Project	60	CO1	Enables the student to understand the different strata of society and the need of medical education	Weak-L	Moderat e-M	Weak-L	Moderat e-M	Moderat e-M	Moderat e-M	Moderate-M	Weak-L
					60	CO2	Helps student to develop empathy towards society	Weak-L	Moderat e-M	Weak-L	Weak-L	Moderat e-M	Moderat e-M	Moderate-M	Weak-L
	sem III	401460311	T4506	Innovation and Entrepreneurship	60	CO1	Develops skills for evaluating, articulating, refining, and pitching a new product or service offering, either as a start-up business or a new initiative within an existing firm.	Moderat e-M	Moderat e-M	Moderat e-M	Moderat e-M	Moderat e-M	Strong-H	Strong-H	Moderate-M
	sem IV	401460401	TH4345	Counselling in infertility	60	CO1	To understand different approaches of counselling in infertility.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO2	To explore, understand and resolve issues arising from infertility and train students in the medical and psychological aspects of infertility.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO3	Develop effective counseling skills tailored to individuals and couples facing fertility issues.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO4	To serve as a foundation for a comprehensive and supportive counseling program tailored to the complexities of fertility issues.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
	sem IV	401460402	T4704	Dissertation	60	CO1	Introducing the concept of research to the students.	Strong-H	Moderat e-M	Strong-H	Moderat e-M	Strong-H	Moderat e-M	Strong-H	Moderate-M
					60	CO2	To developing methodology related to chosen research.	Moderat e-M	Moderat e-M	Strong-H	Moderat e-M	Moderat e-M	Strong-H	Moderate-M	Moderate-M
					60	CO3	To be able to analyze the data collected	Strong-H	Strong-H	Moderat e-M	Strong-H	Moderat e-M	Weak-L	Weak-L	Weak-L
				Ethics, Legal Aspects in Assisted Reproduction (ART) & Embryology	60	CO1	To learn and practice the guidelines of Ethics, Legal Aspects in Assisted Reproduction (ART) & Embryology	Strong-H	Moderat e-M	Moderat e-M	Strong-H	Moderat e-M	Strong-H	Moderate-M	Moderate-M
	sem IV	401460403	TH4348		60	CO2	To understand importance of quality management system & SPC for measurement, analysis and improvement in ART	Strong-H	Moderat e-M	Moderat e-M	Strong-H	Moderat e-M	Strong-H	Moderate-M	Moderate-M
					60	CO3	To understand the decision of quality in healthcare.	Strong-H	Moderat e-M	Moderat e-M	Strong-H	Moderat e-M	Strong-H	Moderate-M	Moderate-M
					60	CO4	to able understand National legislation guidelines.	Strong-H	Moderat e-M	Moderat e-M	Strong-H	Moderat e-M	Strong-H	Moderate-M	Moderate-M
	sem IV	401460404	T4902	On Job Training	60	CO1	Cultivate ability to manage various operations.	Strong-H	Moderat e-M	Moderat e-M	Strong-H	Moderat e-M	Strong-H	Moderate-M	Moderate-M
					60	CO2	To prepare the candidate for taking up actual work assignment after placement.	Moderat e-M	Strong-H	Strong-H	Moderat e-M	Moderat e-M	Moderat e-M	Moderate-M	Moderate-M
					60	CO3	To promote experiential learning with application of theoretical knowledge acquired to actual working environment.	Moderat e-M	Moderat e-M	Strong-H	Strong-H	Moderat e-M	Moderat e-M	Moderate-M	Strong-H
	sem IV	401460405	T4061	Pathology and Case Presentation-III	60	CO1	To discuss different approaches to judgment and decision making from an analytical perspective.	Strong-H	Moderat e-M	Moderat e-M	Moderat e-M	Moderat e-M	Moderat e-M	Moderate-M	Moderate-M
					60	CO2	To expose students to tools that they can use in their professional practice to make and evaluate their judgment and decision making	Moderat e-M	Strong-H	Moderat e-M	Moderat e-M	Moderat e-M	Moderat e-M	Moderate-M	Strong-H
					60	CO1	To understand the Quality Assurance and Accreditation standards such as NABL, JCI	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
	sem IV	401460405	TH4351	Quality Assurance, Standardization & Accreditation (Assisted Reproduction & Embryology)	60	CO2	To educate the the students and making capable of giving biochemical results in health and disease in the clinical laboratory.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H
					60	CO3	To perform periodic Quality Control Check the equipment and procedure.	Strong-H	Strong-H	Strong-H	Strong-H	Strong-H	Moderat e-M	Strong-H	Strong-H