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1.2.3 List of interdisciplinary courses offered in the institute

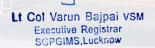
	Due anno 1		Name of the		Courses
Serial	Pro	ogramme name	Department (Subject)	No	Content of the course
1				1	Basic Sciences related to the subject
2			Clinical	2	Practice of Clinical Immunology& Rheumatology
		DM	Immunology &	3	Practice of Clinical Immunology& Rheumatology
3			Rheumatology		including therapeutics, allied specialities
4				4	Recent Advances in Clinical Immunology &
				1	Rheumatology Basic Gastroenterology Sciences
5				2	Clinical Gastroenterology
6	2	DM	Gastroenterolog	3	
7			У		Clinical and investigative Gastroenterology
8				4	Recent advances in Gastroenterology
9			Pediatric	1	Basic Ped Gastroenterology Sciences
10		DM	Gastroenterolog	2	Clinical Ped Gastroenterology
11			y	3	Clinical and investigative Ped Gastroenterology
12	3			4	Recent advances in Ped Gastroenterology
13		DM	Clinical Hematology	1	Basic and applied haematology
14	4			2	Laboratory Haematology
15	4			3	Clinical Haematology
16				4	Recent Advances in Haematology
17				1	Basic Genetics
18	5	DM	Medical Genetics	2	Clinical Genetics
19	5		Medical Genetics	3	Applied and Laboratory Genetics
20				4	Recent evidences in Medical Genetics
21				1	Basic medical sciences related to CCM
22		514	Critical Care	2	Clinical-etiology, Diagnosis, Treatment of diseases related to CCM
23	6	DM	Medicine	3	Procedures, Interventions, Ethics, Research Methods
24				4	Recent advances
25				1	Basic Science of Endocrinology
26				2	Clinical Endocrinology and diagnosis of endocrinology and metabolism disorder
27	- 7 DM	DM	Endocrinology	3	Therapeutic aspect of endocrinology and metabolism and laboratory technology
28			4	Laboratory and Experimental Endocrinology	
29				1	Basic Sciences as applied to Cardiology
30			ALC INTE	2	Clinical Cardiology
31	8	DM	Cardiology	3	Laboratory Testing
32				4	Recent advances
33				1	Basic Sciences of Neurology
33	9	DM	Neurology	2	Clinical Neurology -1
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35				3	Clinical Neurology -2
36				4	Recent Advances in Neurology
37				1	Basic Sciences in Nephrology
38	- 10 DM			2	Clinical Nephrology
39		DM	Nephrology	3	Dialysis, Transplantation, Nephro-urology
40				4	Recent advances in Nephrology
41				1	Basic sciences as applied to pulmonary medicine
42			2	Clinical pulmonary medicine -1	
43	11	11 DM	Pulmonary Medicine	3	Clinical pulmonary medicine -2
44				4	Recent advances in pulmonary medicine and lung transplantation
45				1	Basic sciences as applied to neonatology and perinatology
46	12	DM	Neonatology	2	Core neonatology
47		DM		3	Neonatology and allied specialities
48				4	Recent advances in neonatology
49				1	Basicsciences as applied to surgical gastroenterology
50			Surgical	2	Clinical and operative surgical gastroenterology
51	13	МСН	Gastroenterolog y	3	Surgical gastroenterology including transplantation and minimal access surgery
52				4	Recent advances in surgical gastroenterology
53				1	Basic science of endocrine and breast surgery
54			Endocrine	2	Clinical endocrine surgery Part 1
55	14	МСН	Surgery	3	Clinical endocrine surgery Part II
56				4	Recent advances in Endocrine and breastsurgery
57				1	Cardiac Surgery (thoracic surgery, vascular surgery)
58			Cardio-vascular	2	Adult Cardiac Surgery
59	15	МСН	& Thoracic	3	Critical Care
60			Surgery	4	Cardiovascular engineering, transplant and circulatory support, recent advances in cardiovascular and thoracic surgery
61				1	Basic sciences of central nervous system
62				2	Applied clinical neurosurgery
63	16	MCH	Neurosurgery	3	Advanced clinical and operative neurosurgery
64				4	Recent advances in neurosurgery
65				1	Basic sciences in Paediatric surgery, Trauma and Transplantation
	17 MCH			2	Regional paediatric surgery, paediatric oncosurgery
66		Pediatric Surgery	3	Regional paediatric surgey	
67			-	4	Recent advances in Paediatric Surgery
68		fills .			
69			Plastic &	1	General priciples and basic sciences relevant to plastic and reconstructive surgery
70	18	мсн	Reconstructive	2	Clinical Part 1
71			Surgery	3	Clinical Part 2
72		-0-,		4	Recent advances in plastic and reconstructive surgery





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73				1	Basic sciences of urinary tract system
74				2	Applied clinical urology
75	19	МСН	Urology	3	Advanced clinical and operative urology
76				4	Recent advances in urology
77				1	Basic sciences as applied to Anaesthesiology
78				2	Practice of Anaesthesiology
10	20	MD	Anesthesiology	3	Anaesthesia in relation to
79	20		Anestnesiology		subspecialities/superspecialities
				4	Intensive Care Medicine, Pain Medicine, Recent
80				1	advances
81				1	Basic Medical Sciences, General Emergency Medicine, Disaster preparedness
01				2	Infectious diseases, Critical Care, Paediatrics, Toxicology
82			_		
83	21	MD	Emergency Medicine	3	Respiratory Medicine, Emergencies, Surgical procedures
				4	Nephrology,Endocrinology, Haematology,Occupational Diseases, Recent advances
84				1	
85	-			1	Nuclear Physics
86	22	MD	Nuclear	2	Diagnostic Nuclear Medicine
87	-		Medicine	3	Therapeutic uses of radionucleotide
88				4	Recent advances in Nuclear Medicine
89	23	MD	Missekislam	1	General Microbiology and Immunology
90				2	Clinical/Systemic Microbiology I
91			Microbiology	3	Clinical/Systemic Microbiology II
92				4	Applied Microbiology & Recent Advances
93				1	Principles of radiotherapy allied specialities
94	24	MD	Radiotherapy	2	Related specialities: Surgical oncology and medical oncology
95	24		Πασιοτησιαργ	3	Clinical management of Tumours
96				4	Recent advances and special topics
97				1	Basic sciences including general pathology,immunopathology, genetics clinical pathology,tropical pathology and applied microbiology
	25	MD	Bathology	2	Systemic pathology including surgical pathology and
98	25		Pathology		cytopathology
99	_		-	3	Haematology including transfusion medicine and clinical biochemistry
100				4	Recent advances in pathology
101		ill.	P	1	Basic sciences (immunology,medical genetics,hemostasis,physiology of formed elements of blood)
102	26	MD	Transfusion Medicine	2	Immunohaematology/blood grou serology/compatibility testing
103				3	Blood collection/Blood center/ Component Testing
104				4	Clinical Transfusion Service



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105				1	Basic sciences related to Radiology
106				2	Chest, CVS, CNS,Eye,ENT,Musculoskeletal,Paediatric and Breast
106 107	27	MD	Radiodiagnosis	3	Abdominal imaging, GU, Endocrinology, Obstetric and Gynaecology, Interventional radiology
107				4	Recent advances, Nuclear Medicine, radiology related to clinical specialist
109				1	Basic sciences related to Ophthalmology,Optics and Refraction
110				2	Clinical Ophthalmology
111	28	MS	Ophthalmology	3	Systemic diseases in relation to Ophthalmology
112				4	Recent advances in Ophthalmology and Community Ophtalmology
113				1	Basic sciences pertaining to intensive care medicine including pharmacology
	29	PDAF	Intensive Care Medicine	2	Clinical-etiology, Diagnosis, T; Recent advancesreatment of diseases related to intensive care
114				3	Clinical and recent advances
115				1	Basic sciences as related to Cardiac Anaesthesia
116	30	0 PDAF	Cardio-vascular & Thoracic Anesthesia	2	Clinical aspects as related to cardiac anaesthesia
117	50			3	Recent advances in Cardiac Anaesthesia
118				1	Basic sciences as related to Organ Transplant
119			Organ Transplant Anesthesia	1	Anaesthesia
120	31	PDAF		2	Clinical sciences related to organ transplant anaesthesia
121				3	Recent advances in organ transplant anaesthesia
122			Neuro	1	Basic sciences as related to Neuroanaesthesia
123	32	PDAF	Anaesthesia and Neuro Critical	2	Clinical aspectsof Neuroanaesthesia
124			Care	3	Recent advances in Neuroanaesthesia
125				1	Basic sciences as related to pain and palliative care
126	33	PDAF	Pain and Pallitive Care Medicine	2	Clinical sciences as related to pain and palliative care
127				3	Recent advances in pain and palliative care
128	34	PDCC	Apheresis Technology & Blood	1	Basic sciences such asimmunology,genetics pertinent to blood components, apheresis,instrumentation,automation,computerizatio n and record, legal,ethical and administrative aspect
129		(B ₁)	Component Therapy	2	Application of blood component in clinical practice, donor apheresis and therapeutic plasma exchange, good practice, recent advances
130	35	35 PDCC	Breast Surgery	1	Basic sciences as applied to breast
131	33		breast Surgery	2	Clinical mastology
132	36	PDCC	Clinical	1	Basic sciences related to genetics
133	30	PULL +	Molecular	2	Applied genetics and recent advances



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			Genetics & Genomics		
134	37	PDCC	Critical Care	1	Basic sciences
135	57	FDCC	Medicine	2	Clinical sciences
136		PDCC	Correlative	1	Basic sciences experiment
137	38	PDCC	Imaging	2	Clinical experiments
138			Radionuclide	1	Basice sciences related to radionucleide therapy
139	39	PDCC	Therapy	2	Therapeutic and recent advances in radionucleide therpy
140			Resuscitative	1	Basic sciences of emergency medicine
141	40	PDCC	Emergency Medicine	2	Systemic medicne and recent advances of all organ systems
142		PDCC	Hemato-	1	Basic haemato-oncology
143	41	FDCC	Oncology	2	Applied and recent advances in haemato-oncology
144			Pediatric	1	Basic Paediatric Haematology
145	42	PDCC	Hematology	2	Applied and recent advances related to paediatric haematology
146		PDCC	Hemato-	1	Basic haemato-pathology
147	43	Thee	Pathology	2	Applied haematopathology
148	44	PDCC	Infectious	1	General aspects of infectious diseases and basic sciences
149			Disease	2	Recent advances in diagnosis and managemnet of infectiuous disease
150		PDCC	Maternal and	1	Basic sciences as applied to Maternal and Foetal Medicine
151	45		Fetal Medicine	2	Applied sciences and recent advances in Maternal and Foetal Medicine
152	-	PDCC	Neonatology	1	Basic aspects of the subject Neonatology
153	46	1000	Neonacology	2	Recent advances in Neonatology
154	47	PDCC	Neuro Otology	1	Basic sciences: Principles and practices
155	47	TDCC	Neuro Otology	2	Recent advances in neuro-otology
156	48	PDCC	Neuro-	1	Basic sciences: Refraction and optics
157	40	TDCC	Ophthalmology	2	Systemic diseases and recent advances
158	49	PDCC	Pediatric	1	Basic sciences of pediatrics and endocrinology
159	43		Endocrinology	2	Clinical aspect, Diagnosis, Recent advances
160			Pediatric	1	Basic Sciences
161	50	PDCC	Gastroenterolog y	2	Clinical Sciences and recent advances
162	51	PDCC	Pediatric Clinical Immunology and	1	Basic sciences related to clinical immunology and rheumatology
163			Rheumatology	2	Practice of clinical immunology and rheumatology
164	52		Renal Pathology	1	Basic sciences of renal pathology
165		PDCC	- F	2	Applied and recent advances in renal disorders
166		PDCC	Hepato- pathology	1	Basic sciences of hepatobiliary pathology and liver transplant pathology
167	53	TOT GET	putriology	2	Applied and recent advances in hepatobiliary disorders



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168				1	Basic aspect of Sleep Medicine
169	54	PDCC	Sleep Medicine	2	Applied and recent advances in Sleep Medicine
170				1	Basic Sciences
171	55	PDCC	Gastro-radiology	2	Clinical Sciences
172		PDCC		1	Basic Sciences
173	56	PDCC	Neuro-radiology	2	Clinical Sciences
174			Vascular	1	Basic of vascular system, pharmacology
175	57	PDCC	radiology	2	Intervention of vascular system
176				1	Bichemistry, Genetcis, Molecular biology, Basic Human biology, Practical concepts
177	58	M.Sc.	M.Sc. Medical	2	Cell & stem cell biology, Microbiology, Bioanalytic research techniques,
178	58	IVI.SC.	Bio-technology (Hematology)	3	Genetic engineering, Diagnostic and therapeutic of human diseases, Gneomics, proteomics, research methodology
179				4	Presentation of research project, Dissertation
180				1	Introduction to medical genetics, cytogenetics, chromosomal diorders, principles of genetic councelling
181	59 M.Sc.	M.Sc.	M.Sc. Genetic Counselling	2	Common presentations in genetics, molecular genetics, genetic councelling,
182			3	Genetic disorders, pre-natal genetics and fetal medicine	
183				4	Genetic disorder, genomic medicine and research, prevnetive genetics, dissertation
184			M.Sc. Medical Laboratory	1	Basic microbiology
185	60	M.Sc.	Technology	2	Basic virology
186			(Medical	3	Immunology and cellular structure
187			Virology)	4	Virology techniques, Epediology, Biostatistics
188			B.Sc. Medical	1	Introduction to healthcare delivery system, basic computer and information sciences, pateint safety, communication, soft skill
189			Laboratory Technology- Transfusion	2	Medical terminology, record keeping, medical law, ethics,
190	61	B.Sc	Transfusion Medicine Technology	3	Pathology, microbiology, research methodology, biostatistics
191			(Earlier it was	4	Advance research methodology
192			MSc)	5	Hemotherapy, blood & components, blood bank equipmnets, quality control
193				6	Apharesis, recent advances
194	62	M.Sc.	M.Sc. Molecular Medicine &	1	Introduction to molecular medicine, cell & developmental biology, immune response in health and disease, intrumentation, analytical techniques
195			Biotechnology	2	Omics approaches in molecular medicine, research methodology, ethics, biosafety, IPR, recombinnat DNA technology



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196				3	Molecular basis of disease, diagnostic and therapeutics, regenerative medicine,
197				4	Translation researhc approaches, dissertation
198				1	Fundamentals of radiation physics, Human anatomy, Human physiology, General priciples of hospital practice and care
199	63	M.Sc.	M.Sc. Nuclear Medicine Technology (Nuclear	2	Radio-isotope application, radiation safety, radiation biology, fundamentals of biostatistics and computer application
200			Medicine)	3	Nuclear medicine imaging, principles of radiological protection, PET cyclotron and other intrumnettaion
201				4	Principles of radipharmacy, recent advances, dissertation
202				1	Fundamentals of radiation physics, basic radio- chemistry, radio-pharmacy, nuclear medicine instrumentation and imaging
203	64	M.Sc.	M.Sc. Radio pharmacy and Molecular	2	Isotope production, basics of human biology and laboratory aanimals in biomedical research, PET radiochemistry
204			Imaging (Nuclear Medicine)	3	Nuclear pharmacy-design and regulation, clinical application of radiopharaceuticls, bioinformatics, IPR, biostatistics
205				4	Advancemnet in radiopharmacy, principles of molecular targets and imaging, dissertation
206				1	Anatomy I, physiology I, biochemistry, health care delivery system, basic computer and infornation science, english communication, soft skills, yoga, community orientation and clinical visits
207				2	Anatomy II, physiology II, psychology, basic principles of biomechanics, medical terminology and record keeping
208			Deckslarist	3	pathology, microbiology, pharmacology, biomechanics kinesiology, exercise therapy, therapeutics massage, quality, patient safety
209	65	B.Sc.	Bachelor of Physiotherapy (B.P.T)	4	Exercise tehrapy, biophysics, electrotherapy, medical law and ethics
210			()	5	Clinical orthopedics, traumatology, general surgery, burn, plastic surgery, OBG, Pediatrics, Psychiatric, community medicine, Diagnostic imaging
211				6	Physiotherapy in orthopedics and sports, clinical neurology and neurosurgery, professionalism, values
				7	Physiotherapy in neurology and psychosomatic disorders, biostatistics, research methodology, health promotion, fitness- clinical cardiovascular and pulmonary

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213				8	Physiotherapy in cardiovascular, pulmonary, intensive care, community physiotherapy and rehabilitation, evidence based physiotherapy, research project, teaching skills	
214				1	Anatomy I, physiology I, biochemistry, health care delivery system, basic computer and infornation science, english communication, soft skills, yoga, community orientation and clinical visits	
215			B.Sc. Operation	2	Anatomy II, physiology II, psychology, medical terminology and record keeping, medical law, ethics, professionalism, OT and anesthesia technology	
216	66	B.Sc.	Theter and Anesthesia Technology	3	Clinical microbiology, Medicine and introduction relevant to OT and anesthesia technology, principles of anesthesia	
217	-			4	Biostatitics, clinical pharmacology, basic techniques of anesthesia	
218				-	5	Research methodology, basics of surgical procedures, CSSD procedures, advance anesthesia technique, basic intensive care
219				6	Advance OT and anesthesia technology, specialized surgery, including robotics, minimal invasive surgery	
220	67 B.Sc.	B.Sc.	B.Sc. Medical	1	Anatomy I, physiology I, biochemistry, health care delivery system, basic computer and infornation science, english communication, soft skills, yoga, community orientation and clinical visits	
221				2	Anatomy II, physiology II, medical terminology and record keeping, medical law, ethics, professionalism, conventional radiography and equipment, physics of imaging equipment	
222			Radiology and Imaging Technology (Radio-diagnosis)	3	Pathology, microbiology, clinical radiography, radiographic an dimage processing, research methodology and biostatistics	
223			(הממוט־מומצווטטוט)	4	Clinical radiograhy II, quality control, radiation safety, regulatory requirements	
224				5	Physics of new imagig, techniques including patient care, hospital practice and care of patient, contrast and special radiography	
225			-	6	Physics of advance imaging technology, AERB guidelines, cross-sectional anatomy and physiology, advance imaging technology	
226	68	B.Sc.	B.Sc. Medical Laboratory Technology (Hematology)	1	Basic computer and information science, introduction to health care delivery, community orientation, quality and patient safety, environmental science, communication, soft skills, anatomy I, physiology I	



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					Anatomy II, Physiology II, medical sociology, medical
227				2	law and ethics, professionalism and values, medical terminology and record keeping, clinical biochemistry
228				3	Biostatistics and research, general pathology, microbiology, applied clinical biochemistry, biochemical metabolism, tarnsfusion and blood banking
229				4	Systematic bacteriology and virology, pathology, immunology, serology, applied clinical biochemistry
230				5	medical mycology, parasitology, entemology, applied hematology, histopathology, cytopathology, genetic and cytogenetic techniques
231				6	Laboratory automation and quality control, advance hematology and immunopathology, molecular genetic techniques
					Basic computer and information science, introduction to health care delivery, community orientation, quality and patient safety, environmental science, communication, soft skills, anatomy I, physiology I
232				1	
233		B.Sc. Perfusion	2	Anatomy II, Physiology II, medical sociology, medical law and ethics, professionalism and values, medical terminology and record keeping, laboratory technology related to perfusion technology	
234	69	B.Sc.	Technology	3	General pathology, microbiology, applied hematology, biophysics, research methodology and biostatistics I
235				4	research methodology and biostatistics II, perfusion techniques and technology, medicine and clinical application
236				5	Pediatric perfusion, neuropsychological assessmnet, cardiovascular perfusion
230				6	Mechanical circulatory support, perfusion for heart and lung transplantation
					Basic computer and information science, introduction to health care delivery, community orientation, quality and patient safety, environmental science, communication, soft skills, anatomy I, physiology I
238	70	B.Sc.	B.Sc. Dialysis Therapy	1	Anatomy II, Physiology II, medical sociology, medical
239		in the second se	Technology	2	law and ethics, professionalism and values, medical terminology and record keeping, laboratory technology related to dialysis technology
240				3	General pathology, microbiology, applied hematology, biophysics, research methodology and biostatistics I



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					research methodology and biostatistics II, dialysis
241				4	techniques and technology, medicine and clinical application
211					Pediatric dialysis, neuropsychological assessment,
242				5	cardiovascular perfusion
243				6	Mechanical circulatory support, perfusion for heart and lung transplantation
244				1	Basic computer and information science, introduction to health care delivery, community orientation, quality and patient safety, environmental science, communication, soft skills, anatomy I, physiology I, Radiation quantity- units and measurements
					Medical terminology, record keeping, medical law,
245			B.Sc.	2	ethics, professionalism, values, oncology science, radiotherapy techniques, basic radiation physics,
	71	B.Sc.	Radiotherapy		Pathology, microbiology, oncology science II,
246			Technology	3	radiotherapy equipment I, research methodology
047					Patient care, radiotherapy equipment II, quality
247				4	assurance, basic radio hielery physics,
248				5	Radiation safety, radio biology, biological effects of radiation, MOULD room, special RT techniques, recent advances
249				6	Radiographics anatomy, Imaging techniques in RT planning, RT treatment delivery and perational issues
250				1	Applied anatomy, physiology, sociology, psychology, communicative english
251				2	Applied biochemistry, nutrition, dietetics, nursing foundation, informatics and technology
252				3	Applied microbiology, infection control, pharmacology, pathology I, adult health nursing I, BCLS
253	72	B.Sc.	B.Sc. Nursing	4	Pharmacology II, Pathology II, Adult health nursing II, genetics, professionalism, ethics, palliative care, fundamentals of prescribing
				F	Child health nursing I, mental health nursing I, community health, nursing education, forensic nursing,
254				5	Indian laws
255				6	Child health nursing I, mental health nursing I, Nursing management, leadership, midwifery, OBG nursing I
256			-	7	Community nursing II, midwifery II, OBG II, nursing research and statistics
257	1		and the second	8	Intensive practical/ residency posting

