



PES Institute of Medical Sciences & Research

Kuppam- 517 425, Chittoor Dist., Andhra Pradesh

Tel: 08570 - 277999, 277799, 277666

Email: principal@pesimsr.pes.edu Web: www.pesimsr.pes.edu

NAAC Criterion 1: Curricular Aspects

1.2 Academic Flexibility

1.2.1: Percentage of interdisciplinary / inter-departmental courses /training across all the Programmes offered by the College during the last five years



1.2.1: Percentage of interdisciplinary / interdepartmental courses/ training across all the Programmes offered by the College during the last five years

1.2.1.1 Number of interdisciplinary /interdepartmental courses / training offered during the last five years				
2023-24	2022-23	2021-22	2020-21	2019-20
130	130	130	130	130

1.2.1.2 Number of courses offered by the institution across all programs during the last five years				
2023-24	2022-23	2021-22	2020-21	2019-20
133	133	133	133	133

Percentage of inter-disciplinary / inter-departmental courses/ training		
Number of interdisciplinary / interdepartmental courses / training offered during the last five years	Total number of courses offered by the institution across all programs during the last five years	Percentage
130	133	97.74%





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**List of Interdisciplinary /interdepartmental courses/
training across all the the programmes offered by the
University during the last 5 years**



LIST OF INTERDISCIPLINARY/INTERDEPARTMENTAL COURSES/TRAINING ACROSS THE PROGRAMMES OFFERED BY THE COLLEGE DURING THE LAST FIVE YEARS.

SNO	YEAR	PROGRAMME	INTER DEPARTMENTAL TRAINING
1.	2023-2024	MBBS	HORIZONTAL INTERGRATION
			VERTICAL INTERGRATION
		MD/MS	PERIPHERAL POSTINGS/DISTRICT RESIDENCY PROGRAMME
2.	2022-2023	MBBS	HORIZONTAL INTERGRATION
			VERTICAL INTERGRATION
		MD/MS	PERIPHERAL POSTINGS/DISTRICT RESIDENCY PROGRAMME
3.	2021-2022	MBBS	HORIZONTAL INTERGRATION
			VERTICAL INTERGRATION
		MD/MS	PERIPHERAL POSTINGS/DISTRICT RESIDENCY PROGRAMME
4.	2020-2021	MBBS	HORIZONTAL INTERGRATION
			VERTICAL INTERGRATION
		MD/MS	PERIPHERAL POSTINGS/DISTRICT RESIDENCY PROGRAMME
5.	2019-2020	MBBS	HORIZONTAL INTERGRATION
			VERTICAL INTERGRATION
		MD/MS	PERIPHERAL POSTINGS/DISTRICT RESIDENCY PROGRAMME




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Criteria 1.2.1 – Academic Flexibility

Alignment and Integration (AIT)

First quarter January to March 2024

Sr No	Phase	Date	Department	Competency Addressed	Integrating Department	Number of Hours	Type of Integration Nesting/Sharin Temporal coordination
1	Phase I	14.02.2024	Biochemistry	4.2	Medicine	1Hour	Vertical(Sharing)
2	Phase I	21.02.2024	Biochemistry	3.9	Medicine	1Hour	Vertical(Sharing)
3	Phase I	18.03.2024	Biochemistry	3.2,4.2,3.1	Physiology	1Hour	Horizontal(Sharing)
4	Phase I	22.03.2024	Biochemistry	5.3,5.4	Pediatrics	1Hour	Vertical(Sharing)
5	IMBBS2023-24	22.02.2024	Anatomy	AN 54.1	Radiology	2hours	X-RAYS ABDOMEN PLAIN & CONTRAST Vertical integration
6	IMBBS2023-24	23.02.2024	Anatomy	AN 54.1	Radiology	2hours	X- RAYSDOMENPLAI N&CONTRAST Vertical integration
7	IMBBS2023-24	24.02.2024	Anatomy	AN 54.1	Radiology	2hours	X- RAYSDOMENPLAI N&CONTRAST Vertical integration
8	IMBBS2023-24	07.03.2024	Anatomy	AN 53.2	OBG	2hours	BONYPELVIS AN 53.2 Vertical integration
9	IMBBS2023-24	08.03.2024	Anatomy	AN 53.2	OBG	2hours	BONYPELVISAN53.2 Vertical integration
10	IMBBS2023-24	09.03.2024	Anatomy	AN 53.2	OBG	2hours	BONYPELVIS AN 53.2 Vertical integration
11	Phase II	11/03/2024	Pharmacology	Ph:1.13 (Introduction To Ans)	Physiology	1	Sharing
12	FIRST	18.03.2024	PHYSIOLOGY	PY4.4	BIOCHEMISTRY	1HOUR	HORIZONTAL (SHARING)
13	FIRST	11.03.2024	PHARMACOLOGY	PY 10.5	PHYSIOLOGY	1HOUR	VERTICAL(SHARING)



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14	FIRST	25.03.2024	PHARMACOLOGY	PY3.4 PY3.5	PHYSIOLOGY	1HOUR	VERTICAL (SHARING)
15	FIRST	29.03.2024	PATHOLOGY	PY2.7 PY2.8	PHYSIOLOGY	1HOUR	VERTICAL (SHARING)
16	Phase II	25/03/2024	Pharmacology	Ph:1.15 (Skeletal Muscle Relaxants)	Physiology	1	Sharing
17	Phase II	29.03.2023	Pathology	Pa6.4b	Physiology	01Hour	Nesting
18	Phase II	01.03.2024	Microbiology	Mi1.6 Antimicrobial Agents And Antimicrobial Resistance	Pharmacology	1	Sharing
19	Phase II	05.03.2024	Microbiology	Mi1.1,1.3Normal Human Microbiota,EpidemiologyO fInfectiousDiseases	Community Medicine	1	Sharing
20	Phase II	22.03.2024	Microbiology	Mi1.8 Components Of Immune System: Organs, Cells And Products	Pathology	1	Sharing
21	Phase II	22.03.2024	Microbiology	Mi1.8 Components Of Immune System: Organs, Cells And Products	Paediatrics	1	Sharing
22	Phase III Part I	12-3-24	FMT	FM 14.6	Pathology	2	Horizontal
23	Phase III Part I	14.2.24	Community Medicine	15.1, 15.2,15.3	Psychiatry	1hour	Sharing
24	Phase III Part I	21.2.24	Community Medicine	19.1, 19.2,19.3	Pharmacology	1hour	Sharing
25	Phase III Part I	28.2.24	Community Medicine	13.3	General Surgery ,General Medicine	1hour	Sharing
26	Phase III Part I	23.03.2024	Community Medicine	AETCOM3.3	OBG		Sharing – informed consent
27	II MBBS (2022 -23)	17.02.2024	General Medicine	IM9.1,IM9.2IM9.7,IM9.8I M 9.13IM9.10 IM9.9-Hematology - IrondeficiencyAnemia	Pathology	1Hour	Vertical integration




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28	II MBBS (2022-23)	16.03.2024	General Medicine	IM9.17,IM9.18- Blood component therapy	Pathology	1Hour	Vertical Integration
29	II MBBS (2022-23)	30.03.2024	General Medicine	IM23.1,IM23.4- Nutrition & metabolism - Introduction,assessment,enteral and parenteral nutrition	Physiology & Biochemistry	1Hour	Vertical Integration
30	Final MBBS Part-I (2021-22)	12.03.2024	General Medicine	IMS.5IMS.16IMS.11,IM5.12,IM5.2,IM5.3- Alcohol liver disease and acute alcohol intoxication	Pathology & Physiology	1Hour	Vertical Integration
31	Final yr Part1	16.02.2024	DVL	DR9.1	H-MIC,COM	1	Temporal co-ordination
32	Final yr Part1	23.02.2024	DVL	DR1.1,1.3		1	Temporal co-ordination
33	Final yr Part1	01.03.2024	DVL	DR 11.1	H-MIC	1	Temporal co-ordination
34	Final yr Part1	08.03.2024	DVL	DR 5.1,5.3,6.1	H-PH	1	Temporal co-ordination
35	Final yr Part1	15.03.2024	DVL	DR9.4	H-PH	1	Temporal co-ordination
36	Final yr Part1	22.03.2024	DVL	DR 14.1,14.5	H-PH	1	Temporal co-ordination
37	Final yr Part1	29.03.2024	DVL	DR 9.5,9.6	H-PH	1	Temporal co-ordination
38	Phase I	23.2.24	Radiology	AN54.2	Anatomy	2	Sharing
39	Phase I	23.2.24	Radiology	AN54.3	Anatomy	2	Sharing
40	Final MBBS Part-I (2021-22)	29.03.2024	OBG	Describe the mechanisms, prophylaxis, fetal complications, diagnosis and management of Rh isoimmunization in pregnancy.	Pediatrics		Vertical Integration
41	Final MBBS Part-I (2021-22)	14.02.2024	Ophthalmology	OP1.1 Describe the Physiology of vision	Physiology	1Hour	Vertical Integration




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42	Final MBBS Part-I (2021-22)	21.02.2024	Ophthalmology	OP2.1 Enumerate the causes, describe and discuss the aetiology, clinical presentations and diagnostic features of common conditions of the lid and adnexa including Hordeolum externum/internum, blepharitis, preseptal cellulitis, dacryocystitis, hemangioma, dermoid, ptosis, entropion, lid lag. Lagophthalmos.	Anatomy	1Hour	Vertical Integration
43	Final MBBS Part-I (2021-22)	19.02.2024	ENT	EN.4.1 OME, Discharge in ear	Physiology	1Hour	Vertical Integration
44	Final MBBS Part-I (2021-22)	26.02.2024	ENT	EN.4.7,4.8 Middle ear diseases	Physiology	1Hour	Vertical Integration
45	Final MBBS Part-I (2021-22)	30.09.2024	ENT	EN.4.7,4.8 CSOM ADD & TTD	Physiology	1Hour	Vertical Integration
46	Final MBBS Part-I (2021-22)	18.09.2024	ENT	EN.4.12 hearing loss	Pathology	1Hour	Vertical Integration
47	I MBBS (2023-24)	27.12.2023	General Surgery	SU2.1, SU2.2, SU2.3, SU2.4, SU2.5, SU2.6, SU2.7 AN2.1, AN2.2, AN2.3, AN2.4, AN2.5 - LUMP IN THE BREAST	Anatomy	01hour	Vertical Integration
48	I MBBS (2023-24)	28.12.2023	General Surgery	SU2.1, SU2.2, SU2.3, SU2.4, SU2.5, SU2.6, SU2.7 AN2.1, AN2.2, AN2.3, AN2.4, AN2.5, LUMP IN THE BREAST	Anatomy	01hour	Vertical Integration
49	I MBBS (2023-24)	29.12.2023	General Surgery	SU2.1, SU2.2, SU2.3, SU2.4, SU2.5, SU2.6, SU2.7 AN2.1, AN2.2, AN2.3, AN2.4, AN2.5, LUMP IN THE BREAST	Anatomy	01hour	Vertical Integration




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Alignment and Integration (AIT)-Second quarter April to June 2024

Sr No	Phase	Date	Dept	Competency Addressed	Integrating Department	Number Of hours	Type Of Integration Nesting/Sharing/ Temporal Coordination
1	I MBBS	04.04.2024	Anatomy	AN56.2	Physiology	1hour	CSF - formation & Circulation Applied Aspects
2	I MBBS	18.04.2024	PHYSIOLO GY	PY8.2,8.4	MEDICINE	1HOUR	VERTICAL(SHARING)
3	I MBBS	22.04.2024	PHYSIOLO GY	PY8.1	ORTHOPAE DICS	1HOUR	VERTICAL(SHARING)
4	I MBBS	30.05.2024	PHYSIOLO GY	PY10.7	MEDICINE	1HOUR	VERTICAL (SHARING)
5	I MBBS	3.06.2024	PHYSIOLO GY	PY10.8	PHARMACO LOGY	1HOUR	VERTICAL(SHARING)
6	I MBBS	7.06.2024	PHYSIOLO GY	PY2.8	PHARMACO LOGY	1HOUR	VERTICAL(SHARING)
7	I MBBS	15.06.2024	PHYSIOLO GY	PY10.1	ANATOMY	1HOUR	HORIZONTAL (SHARING)
8	I MBBS	24.04.2024	BIOCHEMI STRY	6.11	PHYSIOLOG Y	0.5 HOURS	HORIOZNTAL (SHARING)
9	I MBBS	24.04.2024	BIOCHEMI STRY	6.12	MEDICINE	0.5 HOURS	VERTICAL(SHARING)
10	I MBBS	24.04.2024	BIOCHEMI STRY	6.12	PATHOLOGY	0.5 HOURS	HORIZONTAL (SHARING)
10	2 nd MBBS	4/4/2024	Pharmacology	PH1.58 Pharmacotherapy of glaucoma	Ophthalmology	1	Vertical/Sharing



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11	II MBBS	8/4/2024	Pharmacology	PH1.16 Prostaglandin analogues	OBG	1	Vertical/ Sharing
12	II MBBS	25/4/2024	Pharmacology	PH1.16 Rheumatoid Arthritis	Orthopedics	1	Vertical/ Sharing
13	II MBBS	9/05/2024	Pharmacology	PH1.28 Ischemic Heart Disease	Medicine	1	Vertical/ Sharing
14	II MBBS	20/05/2024	Pharmacology	PH1.29Heart failure	Medicine	1	Vertical/ Sharing
15	II MBBS	27/05/2024	Pharmacology	PH1.18 General Anesthesia	Anesthesia	1	Vertical/ Sharing
16	II MBBS	03/06/2024	Pharmacology	PH1.19 Sedative Hypnotics	Physiology	1	Vertical/ Sharing
17	II MBBS	7/06/2024	Pharmacology	PH1.25 Coagulants & anticoagulants	Physiology	1	Vertical/ Sharing
18	II MBBS	17/06/2024	Pharmacology	PH1.19 Antipsychotic drugs	Psychiatry	1	Vertical/ Sharing
19	II MBBS	24/06/2024	Pharmacology	PH 1.22/1.23 Drugs of abuse & addiction	Psychiatry	1	Vertical/ Sharing
20	II MBBS	19.4.24	PATHOLOGY	PA 22.4 Enumerate blood components and describe their clinical uses. PA 22.5.Enumerate and describe infections transmitted by blood transfusion.	H- Microbiology	1 hour	NESTING





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21	2 ND MBBS	30/5/24 & 31-05-24	PATHOLOGY	PA7.4 Describe the effects of tumour on the host including paraneoplastic syndrome PA 7.5 Describe immunology and the immune response to cancer	H- Microbiology	2 hours	NESTING
22	2 ND MBBS	04-06-24 & 5/6/24	PATHOLOGY	PA8.1 Describe the diagnostic role of cytology and its application in clinical care.	V-Surgery	2 hours	NESTING
23	2 ND MBBS	06-06-24 & 7/6/2024	PATHOLOGY	PA8.2 Describe the basis of exfoliative cytology including the technique & stains used	V-Surgery	2 hours	NESTING
24	2 ND MBBS	13/6/24 & 14/6/24	PATHOLOGY	PA9.1 Describe the principles and mechanisms involved in immunity PA 9.2 Describe the mechanism of hypersensitivity reactions	H- Microbiology	2 hours	SHARING
	2 ND MBBS	19/6/24 & 20/6/24	PATHOLOGY	PA 10.1 Define and describe the pathogenesis and pathology of malaria. PA 10.2 Define and describe the pathogenesis and pathology of cysticercosis	H-Microbiology, V-Medicine	2 hours	NESTING




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26	2 nd MBBS	26/6/24 & 27/6/24	PATHOLOGY	PA 10.4 Define and describe the pathogenesis and pathology of common bacterial, viral, protozoal and helminthi diseases.	H- Microbiology V-Medicine	2hours	NESTING
27	2 nd MBBS	23.04.2024	Microbiology	MI1.10 Hypersensitivity	Paediatrics	1	Sharing
28	2 nd MBBS	26.04.2024	Microbiology	MI1.10 Autoimmunity	Paediatrics	1	Sharing
29	2 nd MBBS	10.05.2024	Microbiology	MI1.9 Immunoprophylaxis	Paediatrics	1	Sharing
30	2 nd MBBS	14.05.2024	Microbiology	MI8.5,8.6 Biomedical Waste Management	Community Medicine	1	Sharing
31	2 nd MBBS	29.05.2024	Microbiology	MI2.1,2.2 Cardiovascular System Infections: Infective Endocarditis and Acute Rheumatic Fever	General Medicine	1	Sharing
32	2 nd MBBS	03.06.2024	Microbiology	MI2.4 Bloodstream Infections	Pathology	1	Sharing
33	2 nd MBBS	05.06.2024	Microbiology	MI3.3 Enteric Fever	Pharmacology General Medicine	1	Sharing
34	2 nd MBBS	17.06.2024	Microbiology	MI 2.7 HIV/AIDS	Pathology General Medicine	1	Sharing




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35	2 nd MBBS	24.06.2024	Microbiology	MI2.5 Malaria, Babesiosis	General Medicine	1	Sharing
36	II MBBS	7-5-24	FMT	FM8.10	PHARMA	01	HORIZONTAL
37	Final MBBS part 1	24-04-24	Community Medicine	8.1	paediatrics	1hour	Sharing Integration
38	Final MBBS part 1	22-05-24	Community Medicine	8.2	General medicine	1hour	Sharing Integration
39 to 47	Final MBBS Part-I (2021-22)	19.2.2024	ENT	EN.4.1 OME, Dis chargineear Middle ear diseases EN.4.7,4. 8CSOM ADD and TTD EN.4.12 Hearing	Physiolog y	1hour	Vertical integrator
	Final MBBS Part-I (2021-22)	26.2.2024	ENT		Physiolog y	1hour	Vertical integrator
	Final MBBS Part-I (2021-22)	11.3.2024	ENT		1hour	Vertical integrator	
	Final MBBS Part-I (2021-22)	18.3.2024	ENT		1hour	Vertical integrator	
	Final MBBS Part-I	25.3.2024	ENT		1hour	Vertical integrator	



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	(2021-22)	1.4.2024	ENT	loss		1hour	Vertical integration
	Final MBBS Part-I (2021-22)	8.4.2024	ENT		-		
	Final MBBS Part-I (2021-22)	15.4.2024	ENT	EN.4.13 Otosclerosis		1hour	Vertical integration
	Final MBBS Part-I (2021-22)	22.4.2024	ENT	EN.4.20 Menis's disease		1hour	Vertical integration
	Final MBBS Part-I (2021-22)			EN.4.19,4. 21Tinnitus and vertigo EN.4.3,4.31Tumors of naso pharynx diseases of nasopharynx including		1hour	Vertical integration
				EN.28.17 Stridor			
48	Final MBBS Part-I (2021-22)	24.04.2024	Ophthalmology	OP4.1+ OP4.2 Enumerate, describe and discuss the types and causes of corneal ulceration. Enumerate	Microbiology	1Hour	Vertical Integration
				and discuss the differential diagnosis of infective keratitis			




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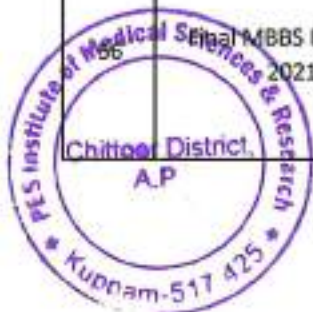
49	Final MBBS Part-I (2021-22)	29.05.2024	Ophthalmology	OP7.1+ OP7.2+ OP7.3 a. Describe the surgical anatomy and the metabolism of the lens. b. Describe and discuss the aetio-pathogenesis, stages of maturation and complications of cataract. Demonstrate the correct technique of ocular examination in a patient with cataract	Anatomy	1Hour	Vertical Integration
50	IIMBBS 2022-23	06.04.2024	General Medicine	IM 23.2, IM23.3&I M23.2, IM23.3- Nutrition & metabolism- Fat soluble vitamins & Water soluble vitamins and minerals	Physiology, Biochemistry	1hour	Vertical integration




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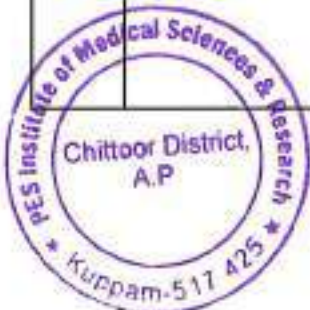
51	IIMBBS 2022-23	13.04.2024	General Medicine	IM14.1, IM14.2, IM14.3, IM14.4, IM14.5, IM14.10, IM14.13, IM14.14, IM14.15- Nutrition &metabolism- Obesity	Pathology	1hour	Vertical integration
52	IIMBBS 2022-23	11.05.2024	General Medicine	IM4.1,IM 4.2,IM4.4, IM4.5,IM 4.7-Infectious diseases-Septic	Pathology, Microbiology	1hour	Vertical integration
53	Final MBBS Part-I 2021-22	03.04.2024	General Medicine	IM5.5,IM5.16I M5.11,IM5.12 ,IM5.2, IM5.3-Alcohol ic liver disease and acute alcohol intoxication	Pathology &Physiology	2hours	Vertical integration
54	Final MBBS Part-I 2021-22	04.04.2024	General Medicine	IM5.5,IM5.16I M5.11,IM5.12 ,IM5.2, IM5.3-Alcohol ic liver disease and acute alcohol intoxication	Pathology Physiology	2hours	Vertical integration
55	Final MBBS Part-I 2021-22	29.04.2024	General Medicine	IM3.1,IM3.2, IM3.3-Pneum onia	Anatomy, Pathology &Microbiology	1hour	Vertical integration
	Final MBBS Part-I 2021-22	08.05.2024	General Medicine	IM16.1,IM16. 3, O,16.12, IM16.13, IM16.14- Chronic	Pharmacology &Microbiology	2hours	Vertical integration



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				Diarrhoea- Malabsorption syndromesand IBS			
57	FinalMBBSPart-I 2021-22	09.05.2024	General Medicine	IM16.1,IM16. 3, O,16.12, IM16.13, IM16.14- Chronic Diarrhoea- Malabsorption syndromesand IBS	Pharmacology &Microbiology	2hours	Verticalintegration
58	FinalMBBSPart-I 2021-22	15.05.2024	General Medicine	IM16.15, IM16.16, IM16.17-Infla mmatory BowelDisease	Pathology &Pharmacology	2hours	Verticalintegration
59	FinalMBBSPart-I 2021-22	16.05.2024	General Medicine	IM16.15, IM16.16, IM16.17-Infla mmatory BowelDisease	Pathology &Pharmacology	2hours	Verticalintegration
60	FinalMBBSPart-I 2021-22	13.06.2024	General Medicine	IM7.1,IM7.2,I M7.8,IM7.9,I M7.10,IM7.13 ,IM7.14,IM7.1 9,IM7.23,IM7 .27-Dermatom yositis /Polymyositis	Pharmacology	2hours	Verticalintegration
61	FinalMBBSPart-I 2021-22	17.06.2024	General Medicine	IM7.1,IM7.2,I M7.8,IM7.9,I M7.10,IM7.13 ,IM7.14,IM7.1 9,IM7.23,IM7 .27-RA	Orthopedics	1hour	Verticalintegration



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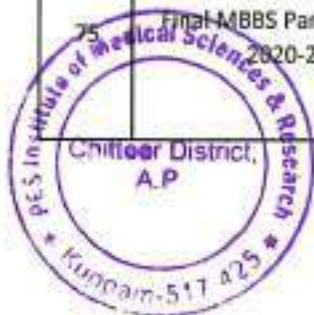
				-Rheumatoid arthritis			
62	Final MBBS Part-I 2021-22	19.06.2024	General Medicine	IM7.1,IM7.2,I M7.8,IM7.9,I M7.10,IM7.13 ,IM7.14,IM7.1 9,IM7.23,IM7 .27-Dermatom yositis /Polymyositis	Pharmacology	2hours	Vertical integration
63	Final MBBS Part-I 2021-22	24.06.2024	General Medicine	IM7.1,IM7.2,I M7.8,IM7.9,I M7.10,IM7.13 ,IM7.14,IM7.1 9,IM7.23,IM7 .27-Spondyloa rthropathies	Pharmacology ,Orthopedics	1hour	Vertical integration
64	Final MBBS Part-I 2021-22	27.06.2024	General Medicine	IM10.1, IM10.2, IM10.3, IM10.4-Nephr ology - AKI	Pathology	1hour	Vertical integration
65	Final MBBS Part-II 2020-21	15.04.2024	General Medicine	IM2.1,IM2.2, IM2.3,IM2.4, IM2.5-Acute Myocardial infarction/IH D	Physiology &Biochemistry	1hour	Vertical integration
66	Final MBBS Part-II 2020-21	18.04.2024	General Medicine	IM2.20, IM2.23-Acute Myocardial Infarction – Treatment &Complications	Pharmacology	1hour	Vertical integration
67	Final MBBS Part-II 2020-21	02.05.2024	General Medicine	IM17.1,IM17. 6, IM 17.14-Primary Headache	Anatomy	1hour	Vertical integration




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68	Final MBBS Part-II 2020-21	07.05.2024	General Medicine	IM17.4,IM17. 7,IM17.9,IM1 7.13-Bacterial meningitis	Microbiology, Pathology	1hour	Vertical integration
69	Final MBBS Part-II 2020-21	10.05.2024	General Medicine	IM18.1-CVS- Vascular supplyof brain	Anatomy	1hour	Vertical integration
70	Final MBBS Part-II 2020-21	20.05.2024	General Medicine	IM19.2IM19. 2, IM19.3, IM19. 4, IM 19.5, IM19.6, IM19. 7-Hyperkinetic movement disorders	Anatomy &Physiology	1hour	Vertical integration
71	Final MBBS Part-II 2020-21	21.05.2024	General Medicine	IM6.1,IM6.2,I M6.6,IM6.7-C NS infection in HIV	Pathology &Microbiology	1hour	Vertical integration
72	Final MBBS Part-II 2020-21	06.06.2024	General Medicine	IM12.1,12.2, 12.5,12.6, 12.7,12.8, 12.11-Hypothyroidism	Pathology, Physiology	1hour	Vertical integration
73	Final MBBS Part-II 2020-21	07.06.2024	General Medicine	IM12.1,12.2, 12.5, 12.6,12.7,12.8 12.11-Hyperthyroidism	Pathology, Physiology	1hour	Vertical integration
74	Final MBBS Part-II 2020-21	10.06.2024	General Medicine	IM14.1, 14.2,14.3,14.4 ,14.5-Obesity and its management	Pathology, Comm. Medicine	1hour	Vertical integration
75	Final MBBS Part-II 2020-21	11.06.2024	General Medicine	IM11.1,11.2,1 1.3-T2DM- Classification, Path physiology, Diagnosis	Pathology	1hour	Vertical integration




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				&Clinical features			
76	Final MBBS Part-I (2021-22)	20.04.2024	General Surgery	SU3.1- Describe the indications and appropriate use of blood and blood products and complication of blood transfusion.	Pathology	1Hour	Vertical Integration
77	Final MBBS Part-I (2021-22)	25.04.2024	General Surgery	SU5.1- Describe normal wound healing and factors affecting healing	Pathology	1Hour	Vertical Integration
78	Final MBBS Part-I (2021-22)	27.05.2024	General Surgery	SU25.3- Describe the etiology, pathogenesis, clinical features, investigations and principles of treatment of benign and malignant tumours of breast	Radio diagnosis	1Hour	Vertical Integration
79	Second MBBS (2022 – 2023)	04.06.2024	General Surgery	SGDPA8.1- Describe the diagnostic role of cytology and its application in clinical care	Pathology	2Hours	Vertical Integration




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80	Second MBBS (2022 – 2023)	05.06.2024	General Surgery	SGDPA8.1- Describe the diagnostic role of cytology and its application in clinical care	Pathology	2Hours	Vertical Integration
81	Second MBBS (2022 – 2023)	06.06.2024	General Surgery	SGDPA8.2- Describe the basis of exfoliative cytology including the technique & stains used	Pathology	2Hours	Vertical Integration
82	Second MBBS (2022 – 2023)	07.06.2024	General Surgery	SGDPA8.2- Describe the basis of exfoliative cytology including the technique & stains used	Pathology	2Hours	Vertical Integration
83	ThirdPhase2	23.04.24	Paediatrics	M11.10	MICRO BIOLOGY	30mints	Vertical Integration
84	ThirdPhase2	26.04.24	Paediatrics	M11.10	MICRO BIOLOGY	30mints	Vertical Integration
85	ThirdPhase2	27.05.24	Paediatrics	OG18.1	OBG	30mints	Vertical Integration
86	IIMBBS2020-21	4.4.2024	Orthopaedics	Describe and discuss the aetiopathogen- esis, clinical features, investigations, and principles of management Of soft tissue injuries (OR- 1.3)		Theory1. Hour	Vertical Integration




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87	II MBBS 2020-21	5.4.2024	Orthopaedics	Describe and discuss the mechanism of injury, clinical features, investigations and principles of management of fracture of shaft of humerus and intercondylar fracture humerus with emphasis on neurovascular deficit (OR- 2.4)	Theory1 Hour	Vertical integration
88	II MBBS 2020-21	12.4.2024	Orthopaedics	Describe and discuss the aetiopathogenesis, mechanism of injury, clinical features, investigations and principles of management of pelvic injuries with emphasis on Hemodynamic instability (OR-2.7)	Theory1. Hour	Vertical integration
89	II MBBS 2020-21	18.4.2024	Orthopaedics	Describe and discuss the mechanism of injury, Clinical features, investigations and principle of management of acetabular fracture (OR-2.9)	Theory 1 Hour	Vertical integration




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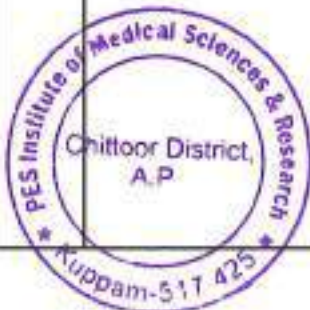
90	II MBBS 2020-21	19.4.2024	Orthopaedics	Describe and discuss the aetiopathogenesis, mechanism of injury, clinical features, investigations and principles of management of fractures of proximal femur (OR-2.10)	Theory 1. Hour	Vertical integration
91	II MBBS 2020-21	25.4.2024	Orthopaedics	Describe and discuss the aetiopathogenesis, Mechanism of injury, clinical features, investigations and principles of management of (a) Fracture patella (OR 2.11)	Theory 1. Hour	Vertical integration
92	II MBBS 2020-21	26.4.2024	Orthopaedics	Describe and discuss the aetiopathogenesis, mechanism of injury, clinical features, investigations and principles of management of (b) Fracture distal femur (OR-2.11)	Theory 1. Hour	Vertical integration
93	II MBBS 2020-21	2.5.2024	Orthopaedics	Describe and discuss the aetiopathogenesis, mechanism of injury, clinical features, investigations and principles of management of (c) Fracture proximal tibia (OR 2.11)	Theory 1. Hour	Vertical integration




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94	II MBBS 2020-21	3.5.2024	Orthopaedics	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of Fracture shaft of femur in all age groups and therecognition and management of fat embolismasa complication (OR2.12.)	Theory1. Hour	Vertical integration
95	II MBBS2020-21	9.5.2024	Orthopaedics	Describe and discuss the aetiopathogenesis, clinical features, investigations andprinciples of management of various inflammatory disorder of joints (OR 5.1)	Theory1. Hour	Vertical integration
96	II MBBS 2020-21	10.5.2024	Orthopaedics	Describe and discuss the aetiopathogenesis, clinical features, investigation and principles of management of metabolic bone disorders in particular (A) osteoporosis, (OR7.1A)	Theory1. Hour	Vertical integration
97	IIMBBS2020-21	16.5.2024	Orthopaedics	Describe and discuss the aetiopathogenesis, clinical features, investigation and principles ofmanagement of metabolic bonedisorders in particular (B) osteomalacia (OR7.1B)	Theory1. Hour	Vertical integration




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98	IIMBBS2020-21	17.5.2024	Orthopaedics	Describe and discuss the aetiopathogenesis, clinical features, investigation And principles Of management of metabolic bone disorders in particular (C)Rickets (OR7.1C)	Theory1. Hour	Vertical integration
99	II MBBS 2020-21	23.5.2024	Orthopaedics	Describe and discuss the aetiopathogenesis, clinical features, investigation and principles of management of metabolic bone disorders in particular (D)Paget's disease (OR7.1.D)	Theory1. Hour	Vertical integration
100	II MBBS2020-21	24.5.2024	Orthopaedics	Describe the clinical features, evaluation, diagnosisand management of disability following traumatic brain injury (OR 8.1.)	Theory1. Hour	Vertical integration
101	II MBBS2020-21	30.5.2024	Orthopaedics	Describeand discuss the aetiopathogenesis, clinical features, investigations andprinciples of management of peripheral nerve injuries in diseases likefootdrop, (OR 11.1)	Theory1. Hour	Vertical integration
102	II MBBS 2020-21	31.5.2024	Orthopaedics	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of peripheral nerveinjuries in diseases like Wrist Drop (OR 11.1.b)	Theory1. Hour	Vertical integration
103	II MBBS 2020-21	7.6.2024	Orthopaedics	Describe and discuss the aetiopathogenesis, clinical features, investigations andprinciples of management of peripheral	Theory1. Hour	Vertical integration




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				nerveinjuries in diseases like Claw hand		
104	II MBBS2020-21	7.6.2024	Orthopaedics	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of peripheral nerve injuries in diseases like Palsies of Radial Nerve	Theory1. Hour	Vertical integration
105	IIMBBS2020-21	13.6.2024	Orthopaedics	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of peripheral nerve injuries in diseases like Palsies of Ulnar Nerve	Theory1. Hour	Vertical integration
106	IIMBBS2020-21	14.6.2024	Orthopaedics	Describe and discuss the aetiopathogenesis	Theory1. Hour	Vertical integration
				esis, clinical features, investigations and principles of management of peripheral nerve injuries in diseases like Palsies of Medial Nerve		
107	II MBBS2020-21	20.6.2024	Orthopaedics	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of peripheral nerve injuries in diseases like Lateral Popliteal and Sciatic Nerves	Theory1. Hour	Vertical integration
108	II MBBS2020-21	21.6.2024	Orthopaedics	Describe and discuss the clinical features, investigations and principles of management of Congenital And acquired malformations and deformities of Scoliosis	Theory1. Hour	Vertical integration




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109	II MBBS2020-21	27.6.2024	Orthopaedics	Describe and discuss the clinical features, investigations and principles of management of Congenital and acquired malformations and deformities of spinal bifida	Theory1. Hour	Vertical integration
110	II MBBS2020-21	28.6.2024	Orthopaedics	Describe and discuss the clinical features, investigations and principles of management of Congenital and acquired malformations and deformities of Congenital dis location of HIP	Theory1. Hour	Vertical integration
111	IMBBS2021-22	1.4.2024	Orthopaedics	Describe and discuss the Principles of management of soft tissue injuries (OR-1.4)	Theory1. Hour	Vertical integration
112	I MBBS 2021-22	8.4.2024	Orthopaedics	Describe and discuss the aetiopathogenesis, clinical features, investigations, and principles of management of dislocation of major joints, shoulder, knee, hip (OR-1.5)	Theory1. Hour	Vertical integration
113	IMBBS2021-22	15.4.2024	Orthopaedics	Plan and interpret the investigations to diagnose complications of fractures like malunion, non-union, infection, compartmental syndrome (OR 2.1..5)	Theory1. Hour	Vertical integration
114	IMBBS2021-22	22.4.2024	Orthopaedics	Describe and discuss the aetiopathogenesis, clinical	Theory1. Hour	Vertical integration




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				features, investigations and principles of management of Bone and Joint infections a) Acute Osteomyelitis b) Subacute osteomyelitis (OR3.1ab)		
115	I MBBS 2021-22	29.4.2024	Orthopaedics	Describe and discuss the aetiopathogenesis, mechanism of injury, clinical features, investigations and principles of management of spine injuries with emphasis on mobilisation of the patient (OR-2.8)	Theory1 Hour	Vertical integration
116	I MBBS 2021-22	26.4.2024	Orthopaedics	Participates as a member in team for aspiration of joints under supervision (OR-3.2) (1to75)	Theory2 Hours	Vertical integration
117	I MBBS 2021-22	3.5.2024	Orthopaedics	Participates as a member in team for aspiration of joints under supervision (OR-3.2) (76to150)	Theory2 Hours	Vertical integration
118	I MBBS 2021-22	6.5.2024	Orthopaedics	Describe and discuss the aetiopathogenesis, clinical features, investigation and principles of management of: (a) Fracture both bones leg (OR-2.13a)	Theory1 Hour	Vertical integration
119	I MBBS 2021-22	10.5.2024	Orthopaedics	Describe and discuss the clinical features, investigation and principles of management of Tuberculosis affecting major joints (Hip, Knee) including cold abscess and Caries spine (OR4.1) (1to 75)	Theory2 Hours	Vertical integration




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120	I MBBS 2021-22	13.5.2024 (Classin cancelled Election)	Orthopaedics	Describe and discuss the aetiopathogen esis, clinical features, Investigation and principles of management of ankle fractures ((OR-2.14)	Theory1. Hour	Vertical integration
121	I MBBS 2021-22	17.5.2024	Orthopaedics	Describe and discuss the clinical features, Investigation and principles of management of Tuberculosis affecting major joints (Hip, Knee) including cold abcess and caries spine (OR 4.1) (76to 150)	Theory2 Hours	Vertical integration
122	I MBBS 2021-22	20.5.2024	Orthopaedics	Plan and interpretthe investigations to diagnose complications of fractures likemalunion, non-union, infection, compartmental syndrome (OR 2.15)	Theory1. Hour	Vertical integration
123	I MBBS2021-22	24.5.2024	Orthopaedics	Describe and discuss the aetiopathogen esis, clinical features, investigations andprinciples of management ofbenignand malignant bonetumours and pathological fractures (OR-10.1)(1to75)	Theory2 Hours	Vertical integration
124	I MBBS2021-22	27.5.2024	Orthopaedics	Describe and discuss the clinical features, Investigation andprinciples of management of Acute Suppurative	Theory1. Hour	Vertical integration




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				arthritis (b) Septic arthritis & HIV infection (OR-3.1c,d)			
125	I MBBS2021-22	31.5.2024	Orthopaedics	Describe and discuss the aetiopathogenesis, clinical features, investigations and principles of management of benign and malignant bone tumours and pathological fractures (OR-10.1) (76 TO 150)		Theory 2 Hours	Vertical integration
126	I MBBS2021-22	7.6.2024	Orthopaedics	Describe and discuss the clinical features, investigation and principles of management of Acute Suppurative arthritis (b) Septic arthritis & HIV infection (OR-3.1c,d)		Theory 2 Hours	Integration
127	I MBBS2021-22	14.6.2024	Orthopaedics	Demonstrate the ability to convince the patient for referral to a higher centre in various orthopedic illnesses, based on the detection of warning signals and need for sophisticated management (OR - 14.3)		Theory 2 Hours	Vertical integration
128	IMBBS2021-22	21.6.2024	Orthopaedics	Demonstrate the ability to convince the patient for referral to a higher centre in various orthopedic illnesses, based on the detection of warning signals and need for sophisticated management (OR - 14.3)		Theory 2 hours	Vertical integration
	I MBBS2021-22	22.4.2024	Orthopaedics	Diseases related to calcium and phosphate metabolism (PY-8.2PY 8.4)	Dept of Physiology	Theory 30 minutes	Vertical integration




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130	IM88S2021-22	25.4.2024	Orthopaedics	Rheumatoid Arthritis	Dept of Pharmacology	Theory1 Hour	Vertical integration
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COMPETENCY BASED UNDERGRADUATE CURRICULUM FOR THE INDIAN MEDICAL GRADUATE

Knows Knows how Shows Shows how Performs

Describe

Enumerate

Observe

Demonstrate

Assist

Counsel

Prescribe

Analyse

Integrate

Guide

Communicate

Correlate

Interpret

Critique

Collaborate

Module 4

Alignment and Integration

Clinician

Communicator

Team Leader

Professional

Lifelong Learner

Knowledge

Skills

Attitude

Values

Responsiveness

Communication

Curriculum Implementation Support Program

Alignment and Integration
Module for
Undergraduate Medical Education
Program
2019



Medical Council of India
Pocket-14, Sector-8, Dwarka,
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दूरभाष/Phone: 25367033, 25367035, 25367036

फैक्स/Fax : 0091-11-25367024

ई-मेल/E-mail: mci@bol.net.in

वेबसाइट/Website: www.mciindia.org



पॉकेट - 14, सेक्टर - 8,

द्वारका पोस्ट- 1, नई दिल्ली-110077

Pocket- 14, Sector- 8, Dwarka,

Phase-1, New Delhi-110077

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Foreword

Alignment and Integration

Subject based education has tremendous advantages. It provides learners with the opportunity to dwell deep into the learning matter and acquire strong fundamental concepts and the ability to build on it and attain scholarship. However, the unique needs of medical education necessitate both an understanding of "interconnectedness" between subjects and their ultimate application to the patient. In an attempt to address the need for enhancing the "wholesomeness" of education in the competency based curriculum while retaining the inherent strength and flavour of subject-based instruction, the Expert Group has recommended the use of two strategies: (a) alignment of related subject matter in a temporally coordinated fashion, and (b) use of three integration concepts that will enhance prior recall, application and emphasis of interconnectedness namely **sharing, nesting and correlation**.

This is a novel and challenging approach that has been suggested to further the goal of the competency driven curriculum that will require considerable planning, collaboration and team work amongst learners, teachers, planners and administrators in institutions. We believe that this investment is necessary to prepare learners to confront, adapt and be successful in the challenging environment of medical care. In addition to meeting the needs outlined, this approach will foster self - directed learning, team work, collaboration and inquiry. Importantly, the patient centricity that this approach will bring into the curriculum from year one will ensure that learners always have a connect with the ultimate goal of the MBBS program.

This booklet is intended to help institutions and teachers to design curriculum incorporating the approach suggested by the Expert Group. It is richly illustrated with examples on how to create an aligned and integrated timetable. We hope that this will be a useful guide.

We are grateful to the members of the Expert Group and the Academic Cell for painstakingly putting this booklet together. We hope that teachers and institutions will benefit from the suggestions provided herein and can successfully adapt and apply them into their own environment. We aspire to learn more and share with the nation the best practices that abound in all the medical colleges across the country. The ultimate aim of this exercise is to create a generation of doctors who will provide standard health care to the nation while becoming excellent scientists and scholars.

Chairman, Board of Governors

Phone : 25367033, 25367035, 25367036
दूरभाष : 25367033, 25367035, 25367036
Fax : 0091-11-25367024
E-mail : mci@bol.net.in
Website : www.mciindia.org



पॉकेट - 14, सेक्टर - 8,
द्वारका फेज - 1
नई दिल्ली-110 077
Pocket- 14, Sector- 8,
Dwarka Phase - I
New Delhi-110077


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Foreword

Alignment and Integration

This booklet provides a suggested pattern for alignment and integration of related competencies encapsulated in different subjects for teaching competency based MBBS program which commenced on August 1, 2019 across the country. Alignment of related topics to the extent feasible is a major thrust of the competency based curriculum. The Regulations in Graduate Medical Education 2019 (GMER 2019) also suggests integration to the extent of 20% of the subject-based curriculum through horizontal and vertical integration. This booklet is in alignment with the GMER 2019 part II document and provides institutions and curriculum planners a step by step approach to create a timetable for teaching, incorporating the principles of alignment and integration.

This booklet has been developed by experts invited by the Board of Governors in supersession of the Medical Council of India and incorporates their vast expertise and experience. The Council acknowledges their time and effort dedicated in creating this guide that can be used by institutions to develop their own learning process and content. Appreciation is also due to the efforts of the Academic Cell of the Council and faculty at the various Regional and Nodal Centres of MCI who worked tirelessly to ensure that the new competency driven curriculum and its various unique components are implemented faithfully and flawlessly across the medical colleges in this country from August 2019.


(Dr. R.K. Vats)
Secretary General

Expert Group

1. **Dr. Avinash Supe**
Former Director (ME and MH) and Dean, Emeritus Professor,
Departments of G I Surgery and Medical Education
Seth GS Medical College and KEM Hospital, Mumbai – 400012
2. **Dr. Krishna G. Seshadri**
Member, Board of Management
Visiting Professor
Departments of Endocrinology, Diabetes and Medical Education
Sri Balaji Vidyapeeth, Puducherry - 607 403
3. **Dr. R. Sajith Kumar**
Professor and Head,
Departments of Infectious Disease and Medical Education
Convener, MCI Nodal Centre for Faculty Development
Government Medical College, Kottayam, Kerala – 686008
4. **Dr. P.V. Chalam**
Principal and Professor, Department of Surgery
Bhaskar Medical College, RR Dist., Telangana – 500075
5. **Dr. Praveen Singh**
Professor and Head, Departments of Anatomy and Medical Education
Convener, MCI Nodal Centre for Faculty Development
Pramukhswami Medical College, Karamsad, Gujarat - 388325
6. **Dr. Tejinder Singh**
Professor, Department Medical Education
Sri Guru Ram Das Institute of Medical Sciences and Research
Amritsar, Punjab – 143501
7. **Dr. P.V. Vijayaraghavan**
Convener, MCI Nodal Centre,
Vice Chancellor and Professor of Orthopedics,
Sri Ramachandra Medical College and Research Institute,
Porur, Chennai-600116.
8. **Dr. Subir K. Maulik**
Professor, Department of Pharmacology
All India Institute of Medical Sciences, New Delhi-110029
9. **Dr. M Rajalakshmi**
Chief Consultant, Academic Cell, Medical Council of India,
Pocket 14, Sector 8, Dwarka, New Delhi 110077.

Curriculum Implementation Support Program

Module – 4

ALIGNMENT AND INTEGRATION

Alignment and Integration

Introduction

The purpose of the MBBS program is to facilitate the medical student to become a primary caregiver to patients. Learning in the various basic and clinical science subjects is predominantly directed towards achieving this purpose. The volume and details required by the student to master each subject that comprises the overall MBBS program is considerable. Subject based instruction provides an opportunity for the student to acquire both vast and deep knowledge of each subject. This structure of instruction, however, may lead to lack of appreciation by the student of the interconnected nature of knowledge in the various subjects, their relatedness, and importantly their relevance to patient care. Additionally study in silos alone may lead to redundancy in instruction.

Several innovative methods have been developed over the years to address these challenges including various levels of integration of instruction that diminishes and removes boundaries within subjects both horizontally in a phase and vertically across phases. While appreciating the value of these approaches, the proposed Graduate Medical Education Regulations (GMER) 2019 has sought to strike a balance that will retain the strength of traditional subject-based teaching and the reality of subject based assessment while providing the relevance, opportunity to understand the interconnectedness and reduce redundancy in the subjects being taught.

In order to achieve this, the MBBS curriculum will become a) aligned to the extent possible - meaning that as much as possible topics in different subjects in the same phase that have similar threads will be grouped together in the timetable and b) integrated to a limited extent both vertically and horizontally. The purpose of horizontal integration (within a phase) is to remove redundancy and provide interconnectedness. In the earlier phases, the purpose of vertical integration (across phases) is to emphasise the applicative use of the basic science concept taught. In the later phases, its purpose is to utilise and build on prior knowledge and emphasise the foundations of clinical practice.

This document is meant to guide institutions, Curriculum Committee, MEU members, and teachers on how to create a timetable that incorporates the principles that have been laid down above reflecting the spirit of the proposed GMER document 2019.

Objective

The participant must be able to:

Facilitate the development of an aligned and integrated curriculum in his/her institution as envisaged in the GMER 2019 document.

Glossary of terms used

For the purposes of this document -

Alignment implies the teaching of subject material that occurs under a particular organ system/disease concept from the same phase in the same time frame i.e., temporally.

Integration implies that concepts in a topic/ organ system that are similar, overlapping or redundant are merged into a single teaching session in which subject based demarcations are removed. For the purpose of this document, topics from other phases that are brought into a particular phase for the purpose of reinforcement or introduction will also be considered as integrated topics. In the GMER 2019, time for integrated teaching is clearly demarcated.

Linker is a session that allows the learner to link the concepts presented in an aligned and integrated topic.

Curricular element or Program addressed

Alignment and Integration

Relevant Extracts from GMER 2019

10.1 Preamble: The salient feature of the revision of the medical curriculum in 2019 is the emphasis on learning which is competency-based, integrated and student-centered acquisition of skills and ethical & humanistic values.

Each of the competencies described below must be read in conjunction with the goals of the medical education as listed in items 2 and 3 of the GMER.

It is recommended that didactic teaching be restricted to less than one third of the total time allotted for that discipline. Greater emphasis is to be laid on hands-on training, symposia, seminars, small group discussions, problem-oriented and problem-based discussions and self-directed learning. Students must be encouraged to take active part in and shared responsibility for their learning.

10.2 Integration must be horizontal (i.e. across disciplines in a given phase of the course) and vertical (across different phases of the course). As far as possible, it is desirable that teaching/learning occurs in each phase through study of organ systems or disease blocks in order to align the learning process. Clinical cases must be used to integrate and link learning across disciplines.

Subject specific competencies with appropriate alignment and integration are available in the new competency based UG Curriculum document uploaded in the Medical Council of India website.

Description of the curricular program

Alignment

Teaching related systems or topics from different subjects in the same phase is strongly recommended. This is the principal method to be followed while creating the phase-wise timetable or calendar and is called alignment (see figure 1).

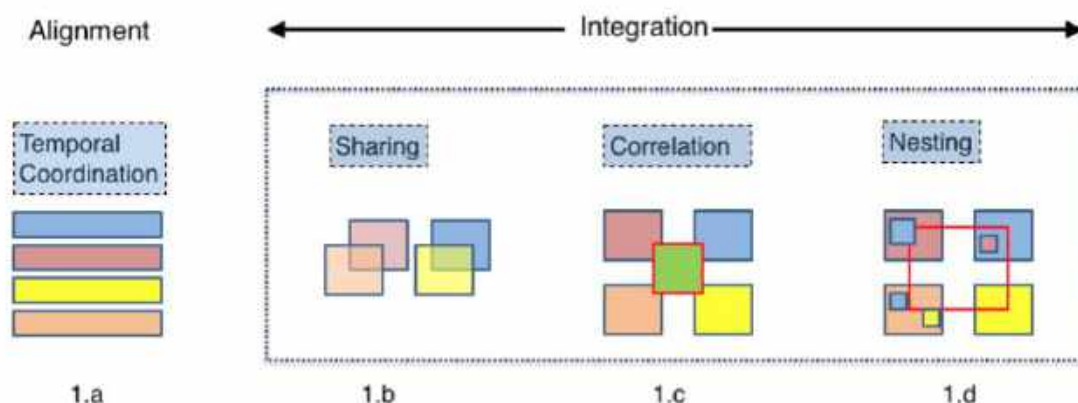


Figure 1: Integration concepts framed in the GMER 2019. Coloured boxes represent subjects. **1a. Alignment** - Temporal coordination: The timetable is adjusted so that topics within the subjects or disciplines which are related, are scheduled at the same time. **1b. Sharing**: Two disciplines may agree to plan and jointly implement a teaching program. **1c. Correlation**: The emphasis remains on disciplines or subjects with subject-based courses taking up most of the curriculum time. Within this framework, an integrated teaching session or course is introduced in addition to the subject-based teaching (green box with red border). **1d. Nesting**: the teacher targets, within a subject-based course, skills relating to other subjects (*Adapted from Harden R Med Edu 2000. 34; 551*).

Alignment is recommended for the majority of the curriculum allowing similar systems or topics in different subjects to be learnt separately but during the same time frame.

Aligning could be done as organ system based (figure 2a) or topic/disease based (figure 2b) or both (figure 2c)

Example: Syllabi in Cardiovascular system or Respiratory system in anatomy, physiology and biochemistry can be scheduled simultaneously in the timetable (figure 2a).

Example: A topic such as acute myocardial infarction or Tuberculosis can be created with the relevant learnings that will lead to the understanding of these topics

If desired, the major alignment can be organ system based with incorporation of some specific topics that will lend itself to integration (see below).

For eg. – In CV organ system the major alignment is with two topics, Acute Myocardial Infarction and Heart failure.

These topics or organ systems that are going to be aligned should be identified by the Curriculum Committee of the teaching institution and must be taught in an aligned fashion in each phase.

The method to derive topic objectives and sessions from competencies is outlined further in this booklet.

Mon	Tues	Wed	Thurs	Fri	Sat
Intro	An	An	An	Bi	Ass
Ph	Ph	An	An/Rad	An	Ass
Bi	Ph	P	Ph	An	SDL
An	An	Ph/Bi	Ph	Ph	
Ph	Ph/Bi	An	Ph	An	
CM	Ph	Bi	AETCOM	An	

Mon	Tues	Wed	Thurs	Fri	Sat
An	An	An	An	Bi	Ass
Ph	Intro	Ph	Intro	An/Rad	Ass
Bi	Ph	An	Ph/Med	Ph	SDL
An	An	Sh Ph/Bi	Ph/Mic	Ass	
Ph	Ph/Bi	Ph/Bi	Ph/Pher	Ph	
CM	Ph	Bi	AETCOM	An	

	CV system
	Respiratory System
	Unaligned sessions
	Shared sessions
	Nested sessions
An	Anatomy
Ph	Physiology
Bi	Biochemistry
Rad	Radiology
Intro	Introduction
Ass	Assessment

Representative timetable using showing how alignment can be done using an organ system based timetable

Figure 2a: Creating an aligned timetable using organ systems (six hours per day basis)

Mon	Tues	Wed	Thurs	Fri	Sat
An	An	An	An	Bi	Ass
Ph	Intro	An	An/Rad	An	Ass
Bi	Ph	Ph/Bi	Ph/Med	An	SDL
An	An	Ph/Bi	Ph	Ph	
Ph	ECE	An	Ass	An	
CM	Ph	Bi	AETCOM	An	

Mon	Tues	Wed	Thurs	Fri	Sat
An	An	Intro	An	Bi	Ass
Ph	Intro	Ph	Intro	An/Rad	Ass
Bi	Ph	An	Ph/Med	Ph	SDL
An	An	Bi	Ph/Mic	Ass	
Ph	ECE	Ph	Ph/Phar	Ph	
CM	Bi	Bi	AETCOM	An	

	AITO MI
	AITO Tuberculosis
	Unaligned sessions
	Shared sessions
	Nested sessions
An	Anatomy
Ph	Physiology
Bi	Biochemistry
Rad	Radiology
Intro	Introduction
Ass	Assessment

Representative timetable using showing how alignment can be done using a Aligned and Integrated Topic Based timetable

Figure 2b: Creating an aligned timetable using Topics

Mon	Tues	Wed	Thurs	Fri	Sat
Intro	An	An	An	Bi	Ass
Ph	Ph	Intro	An/Rad	An	Ass
Bi	Ph	Ph/Bi	Ph/Med	An	SDL
An	An	Ph/Bi	Ph	Ph	
Ph	Ph/Bi	An	Ass	An	
CM	Ph	Bi	AETCOM	An	

Mon	Tues	Wed	Thurs	Fri	Sat
An	An	An	An	Bi	Ass
Ph	Intro	Ph	Intro	An/Rad	Ass
Bi	Ph	An	Ph/Med	Ph	SDL
An	An	Sh Ph/Bi	Ph/Mic	Ass	
Ph	Ph/Bi	Ph/Bi	Ph/Phar	Ph	
CM	Ph	Bi	AETCOM	An	

	CV system
	AITO MI
	Respiratory System
	AITO Tuberculosis
	Unaligned sessions
	Shared sessions
	Nested sessions
An	Anatomy
Ph	Physiology
Bi	Biochemistry
Rad	Radiology
Intro	Introduction
Ass	Assessment

Representative timetable using showing how alignment can be done using system based timetable with use of topics in each system to improve integration

Figure 2c: Creating an aligned timetable using organ systems and topics

Integration

Integration is a learning experience that allows the learner to perceive relationships from blocks of knowledge and develop a unified view of its basis and its application. The GMER 2019 applies these principles to the extent that will retain the strengths of subject based education and assessment while providing experiences that will allow learners to integrate concepts.

Keeping this in mind, the Regulations recommend the adoption of temporal coordination (called **alignment** in this document) as the major method to be followed allowing similar topics in different subjects to be learnt separately but during the same time frame (Fig 1a).

Example: Pancreatic Beta cell anatomy and histology, Pancreatic Beta cell physiology and Insulin structure and synthesis in biochemistry are usually taught at different times of the year. An effort is made to group these related topics in different subjects during the same time frame in the calendar (figure 3a and 3b).

In a small proportion - not to exceed 20% of the total curriculum an attempt can be made to **share** (figure 1b) topics or **correlate** (figure 1c) topics by using an integration or linker session. The integration session most preferred will be a case-based discussion in an appropriate format ensuring that elements in the same phase (horizontal) and from other phases are addressed.

Example: Since there is significant overlap in liver function in physiology and bilirubin metabolism in biochemistry - two departments could **share** sessions thereby reducing redundancy in what is being taught. (Note that it is not essential for two teachers to teach but it is important that the session is planned to ensure that the objectives of both subjects are achieved) (figure 3c).

As much as possible, the necessary correlates from other phases must also be introduced while discussing a topic in a given subject - **Nesting** (figure 1d).

Example: In a session on bilirubin metabolism a patient (a paper case is sufficient) with Dubin Johnson syndrome is **nested** as a short discussion to provide an understanding of what can go wrong, how does it manifest and what is the relevance and future application of learning bilirubin metabolism (figure 3e).

Care must be taken to ensure that achievement of phase based objectives are given primacy - the integrative elements from other phases are used only to provide adequate recall and understand the clinical application of concepts. It must be emphasised that integration does not necessarily require multiple teachers in each class. Experts from each phase and subject may be involved in the lesson planning but not in its delivery unless deemed necessary.

Topics that cannot be aligned and integrated must be provided adequate time in the curriculum throughout the year. These concepts are summarised in table 1 and figure 3 (a-e).

Assessment will continue to be subject based. However, efforts must be made to ensure that phase appropriate correlates are tested to determine if the learner has internalised and integrated the concept and its application.

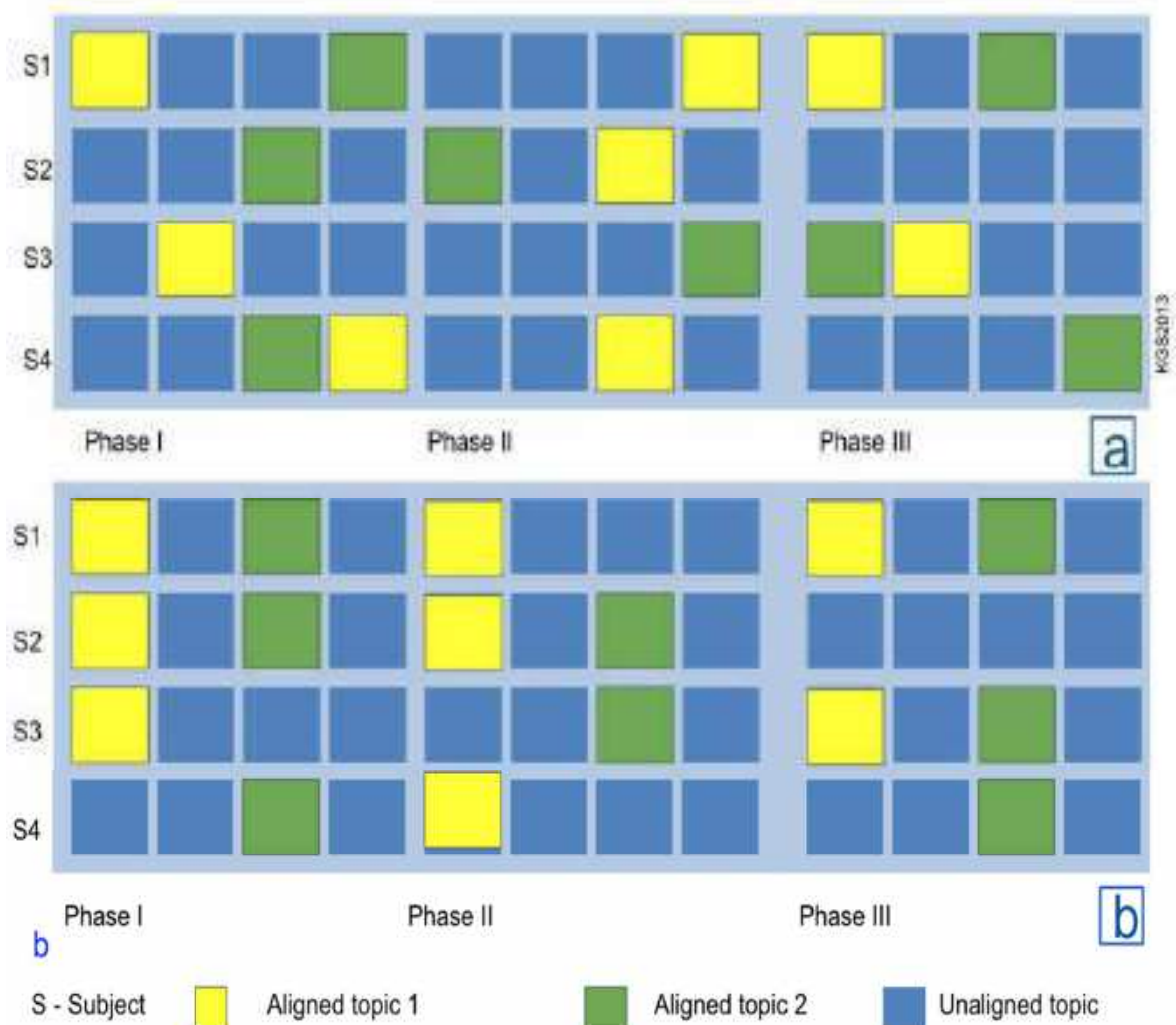
Table 1. Considerations for using alignment and integration in the curriculum

Competency /Objective	Same Phase	Different Phase
Cannot be aligned with a similar topic in a different subject eg. Lower limb anatomy and dissection	Teach separately	-
Can be taught together in different sessions in the same topic eg. Beta Cell histology in anatomy, Beta Cell function in physiology and structure and secretion of insulin, in biochemistry	Align	-
Can be taught in the same session in the same topic eg. Sharing - function of the hepatocyte, in physiology and bilirubin metabolism, in biochemistry eg. Nesting - Present the clinical features and laboratory data of patient with Dubin Johnson syndrome in a session on Bilirubin metabolism	Share	Nest
Can be used to link concepts taught in a particular topic eg. a patient with Type 1 Diabetes is used to understand the functions of the pancreatic islet - secretion and metabolism	-	Correlate

Figure 3: Pictorial illustration of alignment and integration concepts used in the GMER

Figure 3a: Traditionally topics which have the same core of ideas in different subjects are taught at different times.

Figure 3b: Alignment is teaching these related components of a topic from different subjects at the same time i.e, in a temporally coordinated fashion.



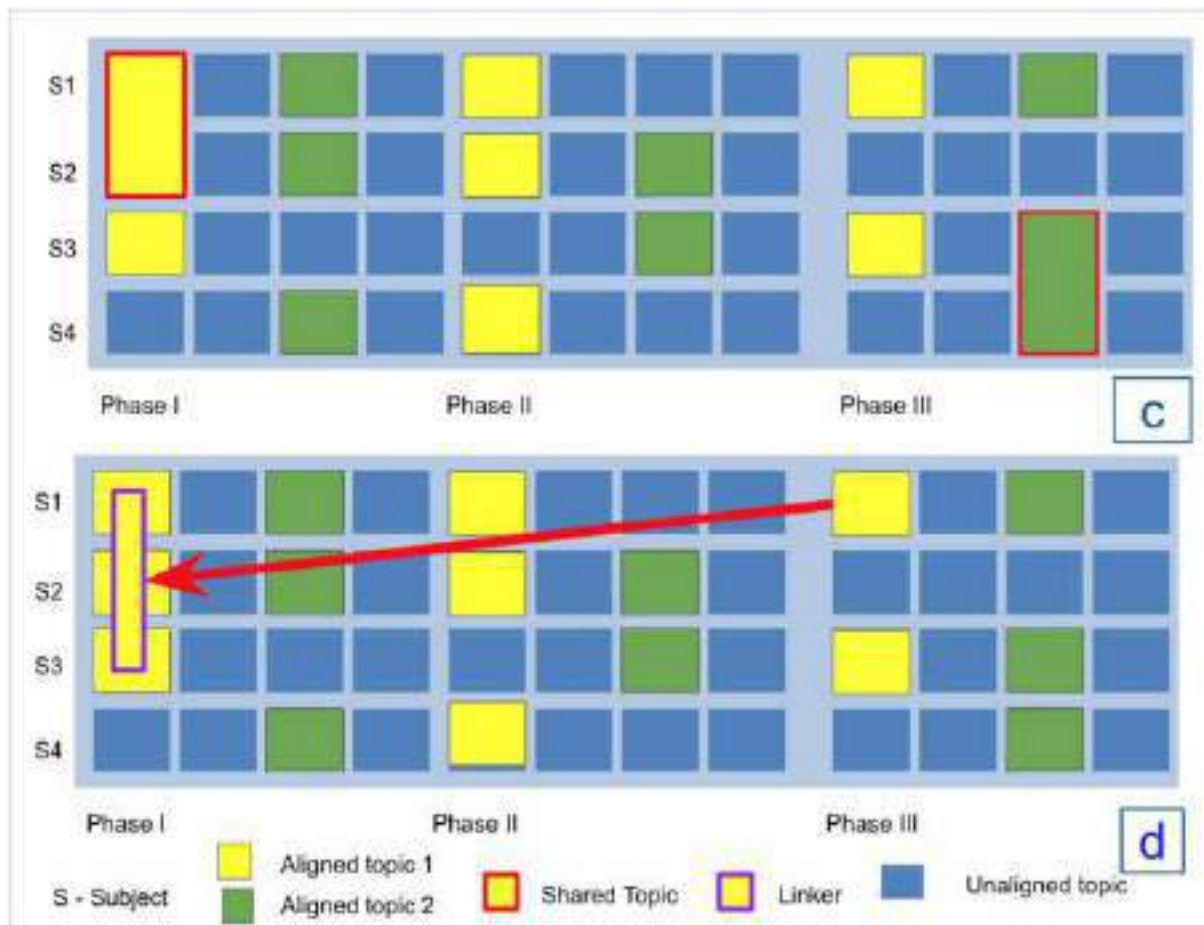


Figure 3c: Redundancy can be reduced by creating a session, merging session objectives from two or more subjects and creating a shared session (Box with red outline).

Figure 3d: Increased correlation can be achieved by using a Linker (Box with purple outline) - usually a case (with sufficient complexity) from the same topic from a higher phase is used to anchor the learning.

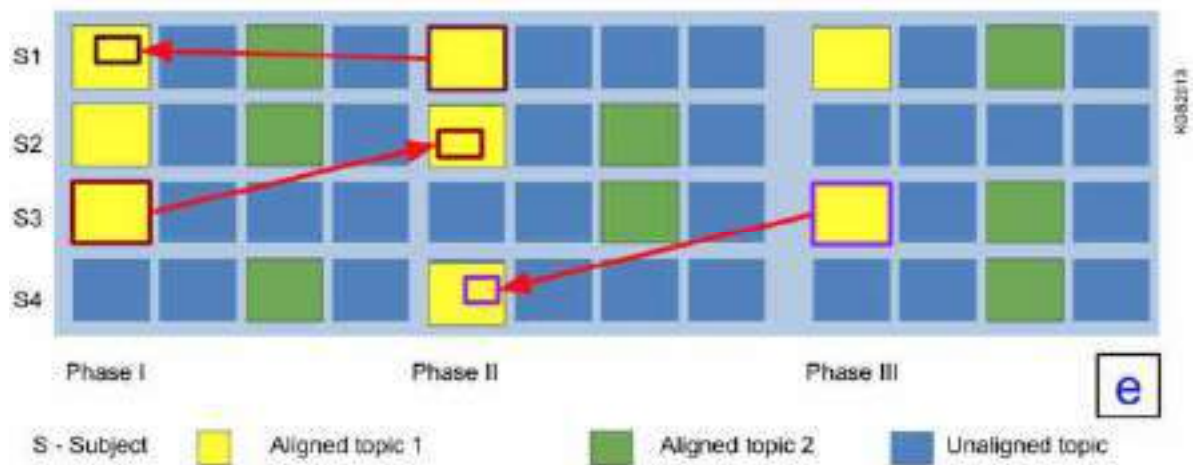


Figure 3e: Appropriate concepts from other phases can be brought into a phase: to increase relevance at a lower phase or increase prior recall or reinforce the fundamental basis at a higher phase. This is done by nesting some learning objectives from the topic in other phases into a learning session.

Steps in the development of Aligned and Integrated Topic (AITo) (Figure 4)

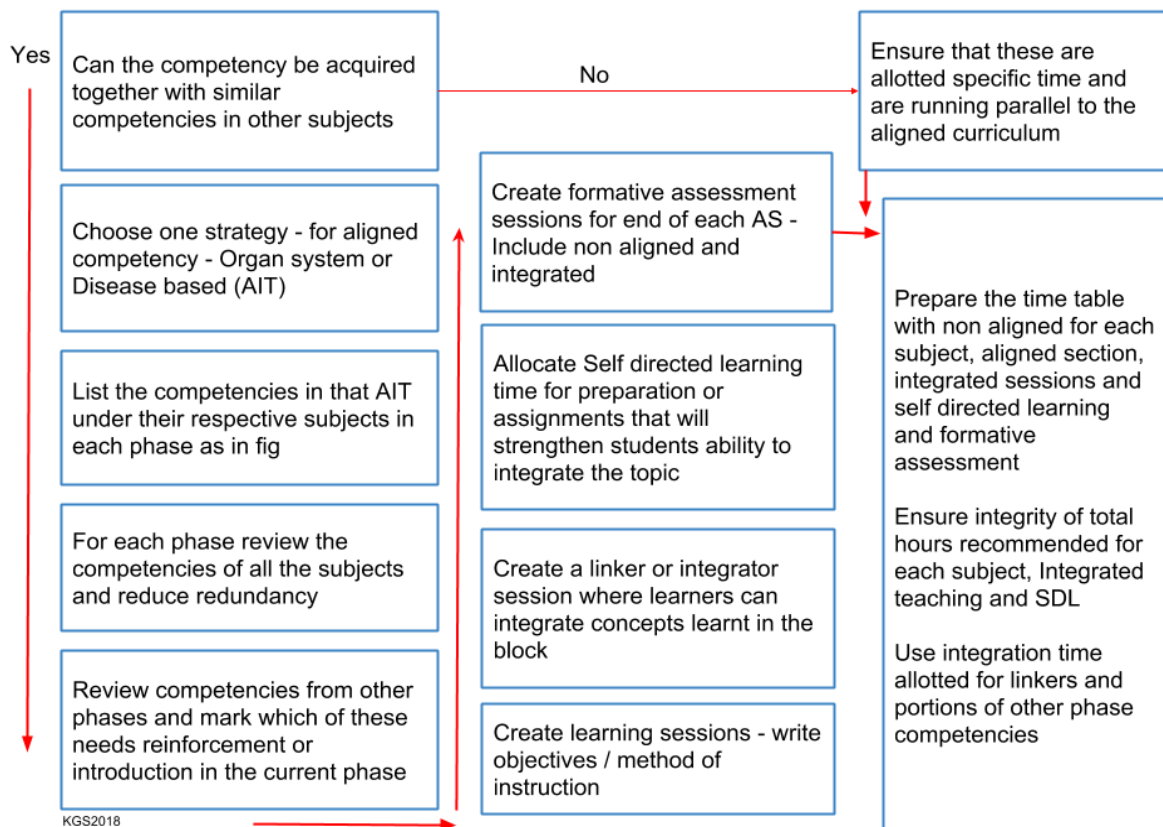


Figure 4: Overview of process to create an aligned and integrated topic

Step 1: Identify a list of topics or organ systems that will be accommodated in the timetable as aligned and integrated topics (AITo). Examples of such topics included: Anemia, Febrile illnesses, Trauma etc. are provided in Appendix 1 **of this book**. Examples of organ system are Cardiovascular System, Gastro-intestinal system, Endocrine system.

Step 2: From the subject-wise competency document book developed by the MCI, transfer the competences that address the topic into a template. Arrange these competencies according to phase and subject (see Appendix 3 for an example).

Examples for the topics are available in Appendix 1. A glossary to understand competency is available in Appendix 2. A comprehensive list of competency for the AITo Anemia is available in Appendix 3.

Step 3: For each competency, derive learning objectives, learning sessions and assessment methods.

- a. A learning session is created by putting together a bunch of objectives that can be accomplished in the allotted time and/or require a similar method of instruction.
- b. A bunch of learning sessions that are put together that address the topic from different subjects in the phase form an Aligned and Integrated Topic (AITo).

(See Figures 5-8 extracted from the Competency based UG curriculum document published by the Medical Council of India that illustrates this process).

Step 4: In each AITo of the phase, it is important to review competencies from the previous phase that will bear reinforcement in the current phase. Similarly, it is important to ensure that competencies in the next higher phases are reviewed to explore if some of these require introduction in this phase. Integration sessions allotted in each phase may be used to deliver these competencies.

- a. By reviewing objectives / competencies in a phase, redundant ones and those in each subject that can be taught together without a subject demarcation can be identified for horizontal integration (**Sharing**).
- b. Similarly, by reviewing objectives or competencies across phases, those with a common thread can be identified for vertical integration (**Nesting and Correlation**).
- c. Objective writing and session planning must be done with teachers of all subjects involved in the aligned and integrated topic (AITo) and their inputs taken for the integrated session.
- d. It is important to remember that ***the concept and not necessarily teachers*** have to be integrated. Using different teachers in each integrated session is nice but rarely required.

Step 5: Consider adding a **linker** to each AITo. A linker, as defined above, is a session that aptly links the various related stand-alone elements represented in an AITo and helps **Correlate**. In the medical curriculum, the linker is most commonly a case. A case that is creatively written can be used in each phase (often the same case) to allow students to correlate what they have learnt and apply into understanding disease process, diagnosis and care. Using a case-based discussion in small groups will, in addition, encourage collaborative and self-directed learning. Using the case discussion at different time points in AITo, will allow students to reinforce and link concepts appropriately.

An example of creating learning sessions with objectives incorporating principles of alignment, sharing, nesting and correlation is illustrated in figure 9 (1-8).

Step 6: Ensure that adequate time for the AITo is created in the time table. It is important to consider the inclusion of an end of block assessment that will count towards formative/internal assessment.

Important: While creating the timetable ensure that topics in each subject that cannot be aligned are also taught simultaneously in each subject and that the timetable accommodates these topics appropriately.

An example of timetable incorporating an aligned and integrated topic is available in Appendix 4. The functions of the AIT team in collaboration with phase-wise Curriculum subcommittee and Curriculum Committee in creating the AIT is illustrated in figure 11 in the section on governance.

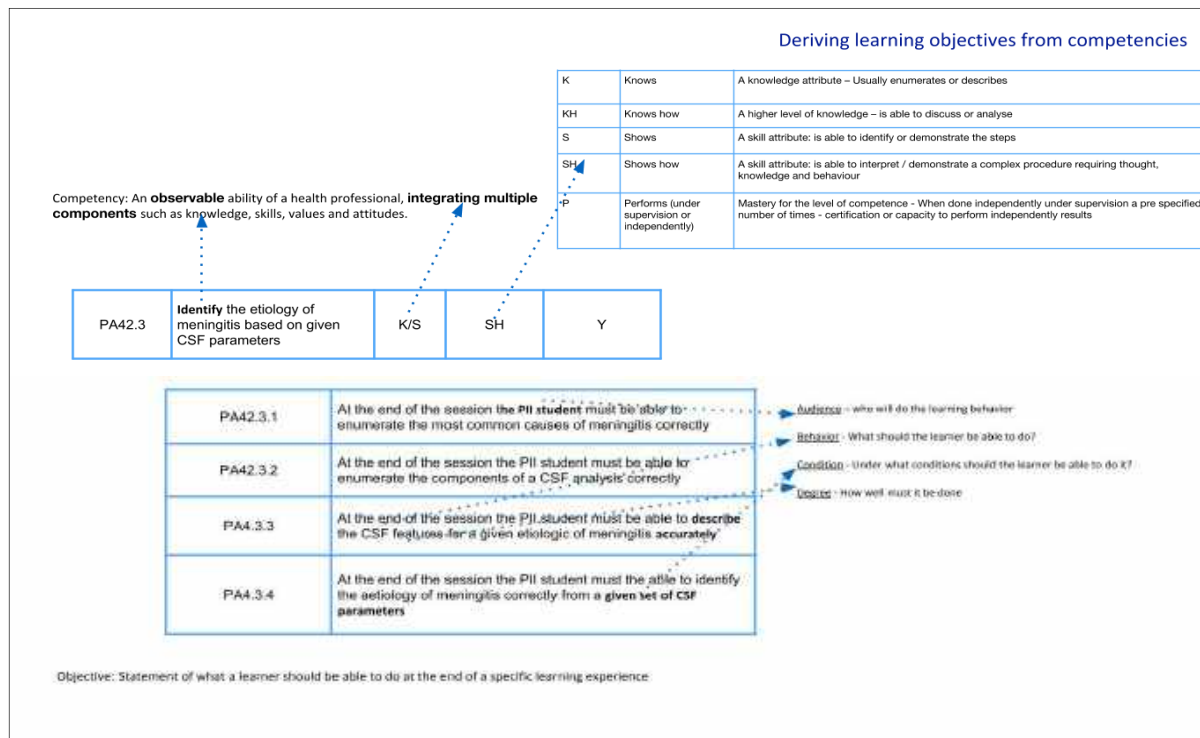


Figure 5 - Deriving learning objectives from competencies

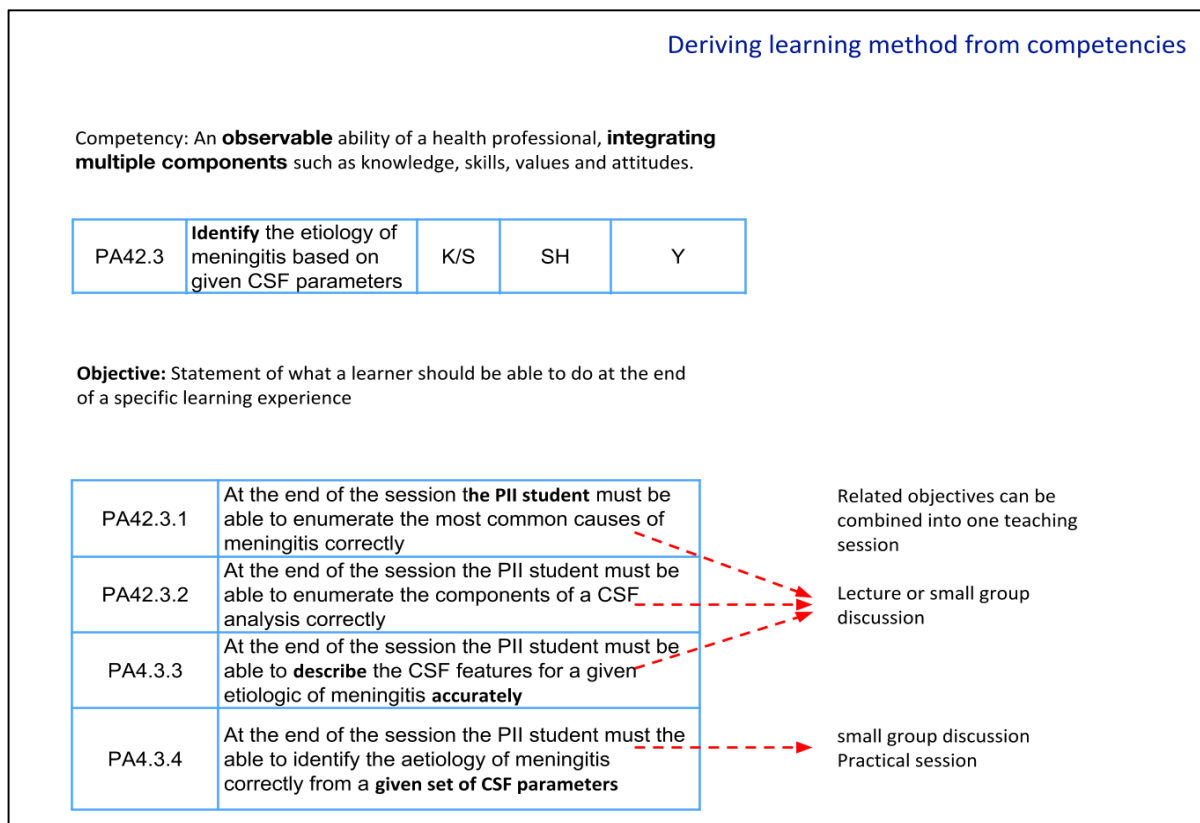


Figure 6. Deriving learning methods from competencies

Deriving assessment method from competencies

Competency: An **observable** ability of a health professional, **integrating multiple components** such as knowledge, skills, values and attitudes.

PA42.3	Identify the etiology of meningitis based on given CSF parameters	K/S	SH	Y
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Objective: Statement of what a learner should be able to do at the end of a specific learning experience

PA42.3.1	At the end of the session the PII student must be able to enumerate the most common causes of meningitis correctly	Short note or part of structured essay: Enumerate 5 causes of meningitis based on their prevalence in India
PA42.3.2	At the end of the session the PII student must be able to enumerate the components of a CSF analysis correctly	Short note or part of structured essay: Enumerate the components tested in a CSF analysis
PA4.3.3	At the end of the session the PII student must be able to describe the CSF features for a given etiologic of meningitis accurately	Short note or part of structured essay: Describe the CSF findings that are characteristic of tuberculous meningitis
PA4.3.4	At the end of the session the PII student must be able to identify the aetiology of meningitis correctly from a given set of CSF parameters	Short note / part of the structured essay/ Skill station/ Viva: Review the CSF findings in the following patient and identify (write or vocalise) the most likely ethology

Figure 7: Deriving assessment methods from competencies

Deriving integration from competencies

Competency: An **observable** ability of a health professional, **integrating multiple components** such as knowledge, skills, values and attitudes.

MI2.4	List the common microbial agents causing anemia. Describe the morphology, mode of infection and discuss the pathogenesis, clinical course, diagnosis and prevention and treatment of the common microbial agents causing Anemia.	K	KH	Y	Didactic Small group	Written Viva	Medicine	Pathology
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Objective: Statement of what a learner should be able to do at the end of a specific learning experience

MI2.4.1	Enumerate the common microbial agents causing anaemia	<p>Integrate concept - not necessarily teachers Plan session with teachers of both subjects -Teachers from both subjects usually not needed to Ensure redundancy and duplication removed by reviewing both subjects</p> <p>Horizontally aligned and integrated with pathology</p> <p>Vertically integrated with general medicine</p> <p>Integrate concept - not necessarily teachers Plan session with teachers from both phases Make a decision on how much of the information needs to be brought to this phase to make it relevant Consider how a competency can ascend over phases. For eg - can be at a KH - know how in phase II but become a SH in phase III For vertical integration with clinical subjects use of a case to link the concept (a well written paper case is sufficient). Using teachers from both phases is rarely required</p>
MI2.4.2	Describe the morphology of agent (1,2 etc)	
MI2.4.3	Describe the mode of infection of agent in humans	
MI2.4.4	Discuss the pathogenesis of anemia caused by agent	
MI2.4.4	Describe the clinical course of infection by agent	
MI2.4.5	Enumerate the diagnostic tests to identify the aetiology of agent as a cause of anaemia	
MI2.4.6	Discuss the methods to prevent infection by agent	
MI2.4.7	Describe the treatment of infection by agent	

Figure 8: Marking objectives/ competencies for integration

Figure 9 (1-8) has used anemia as an example for creating an Aligned and Integrated topic.

Note: A comprehensive list of competencies for the topic anemia gleaned from the competency booklet is presented in Appendix 3.

For illustrative purposes only

AITO – Anemia	Step 1. Identify relevant competencies in each subject in the phase that can be taught in a temporally coordinated fashion under a topic	
Phase 1 Competencies	Physiology Describe and discuss the synthesis and functions of Haemoglobin and explain its breakdown. Describe variants of haemoglobin KH.	Biochemistry Describe the functions of haem in the body and describe the processes involved in its metabolism and arrangements associated with these. KH Describe the major types of haemoglobin and its derivatives found in the body and their physiological/ pathological relevance. KH

Figure 9.1 In this example two related competencies are identified from physiology (purple) and Biochemistry (Green) from the competency booklet

AITO – Anemia	Step 2. List session objectives for each subject that can be taught in a temporally coordinated fashion	
Phase 1 Competencies	Physiology Describe and discuss the synthesis and functions of Haemoglobin and explain its breakdown. Describe variants of haemoglobin KH.	Biochemistry Describe the functions of haem in the body and describe the processes involved in its metabolism and arrangements associated with these. KH Describe the major types of haemoglobin and its derivatives found in the body and their physiological/ pathological relevance. KH
Session Objectives	At the end of the session the student must be able to <ol style="list-style-type: none"> Enumerate the steps in the synthesis of hemoglobin Enumerate the steps in the breakdown of hemoglobin Describe the functions of hemoglobin Describe the process of oxygen carrying by hemoglobin Enumerate the major variants of hemoglobin Describe the structure function relationship of hemoglobin variants Describe the changes in function consequent to abnormalities in hemoglobin structure Describe the changes in function consequent to abnormalities in hemoglobin function 	At the end of the session the student must be able to <ol style="list-style-type: none"> Describe the functions of hemoglobin Describe the structure of hemoglobin Enumerate the major variants of hemoglobin Describe the alteration seen in the major variants of hemoglobin Describe the structure function relationship of variants of hemoglobin Describe the steps in the metabolism of hemoglobin Describe the changes in metabolism consequent to abnormalities or variance in hemoglobin structure / composition
		Purple: Physiology Green: Biochemistry Brown: Pathology
		Principle : Alignment

Fig 9.2 Session objectives are derived for each competency are identified

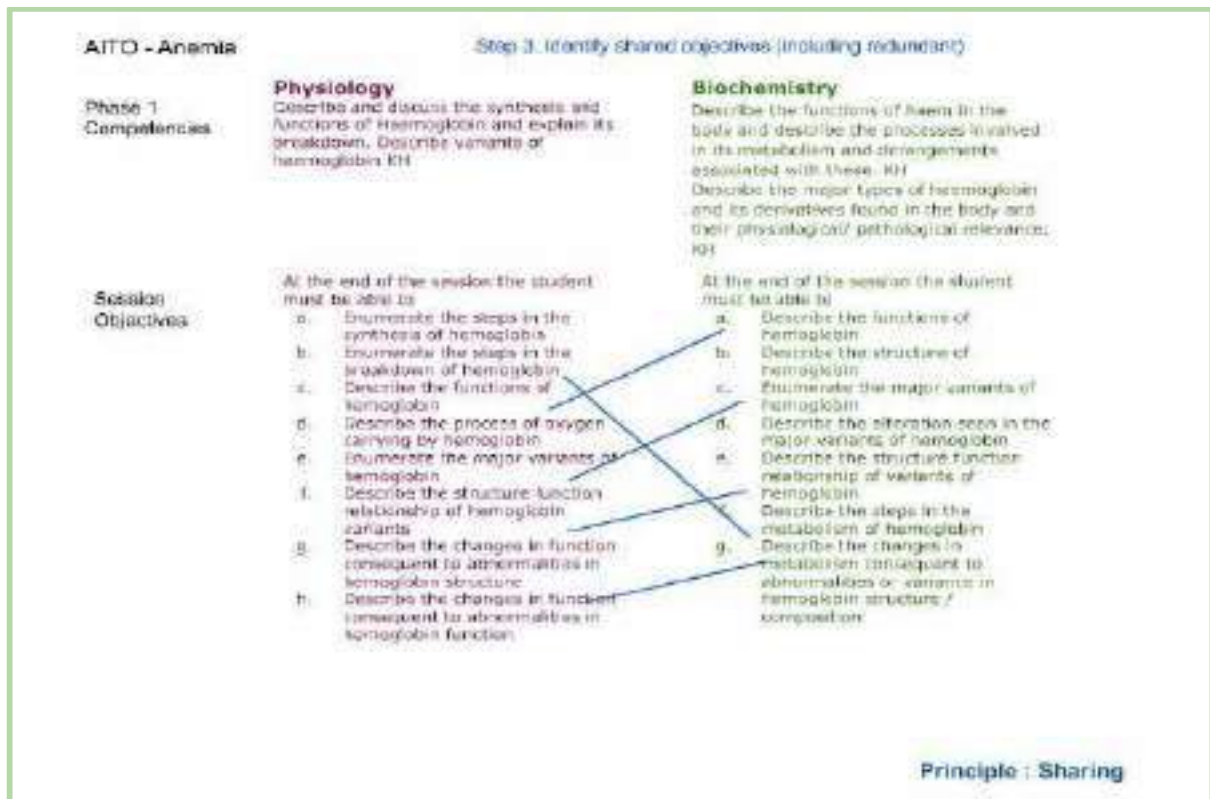


Fig 9.3 Objectives that are similar to both subjects are marked for redundancy and sharing

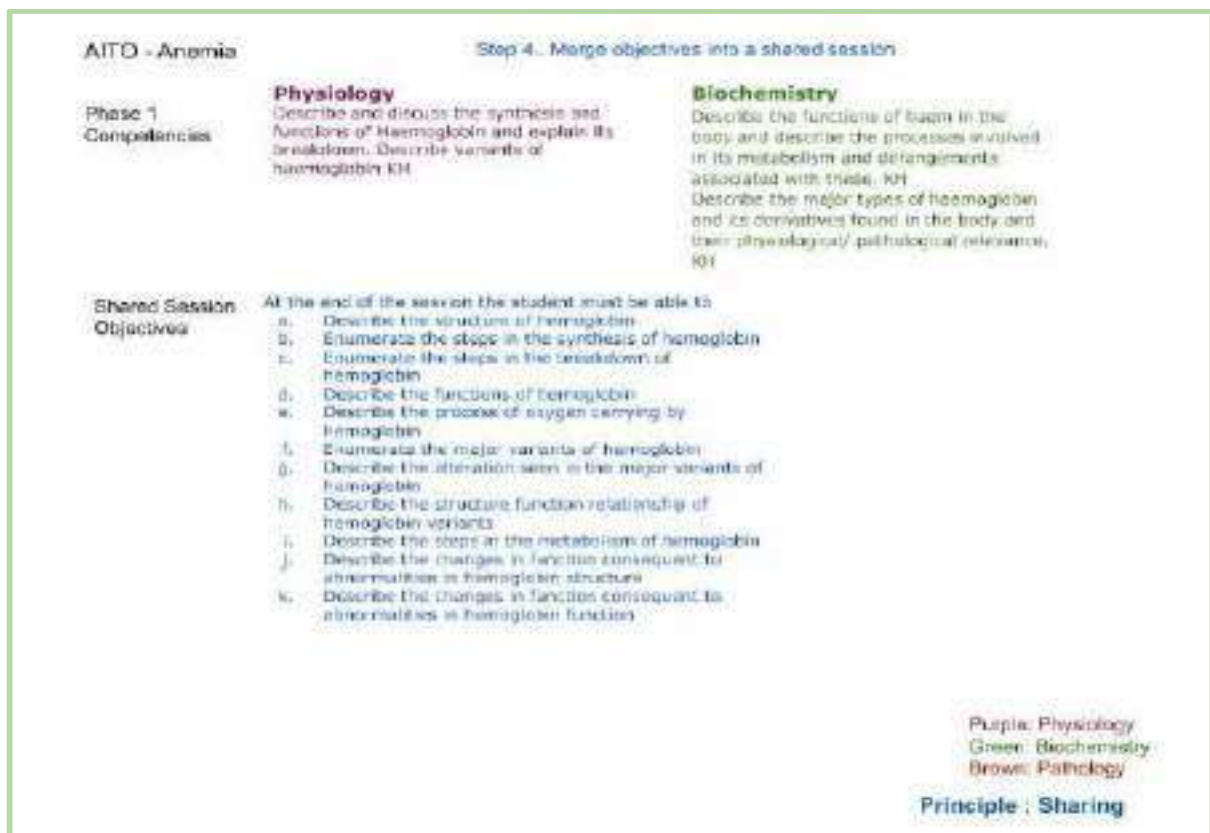


Fig 9.4 A new shared session is created merging the objectives from both subjects by removing redundancy

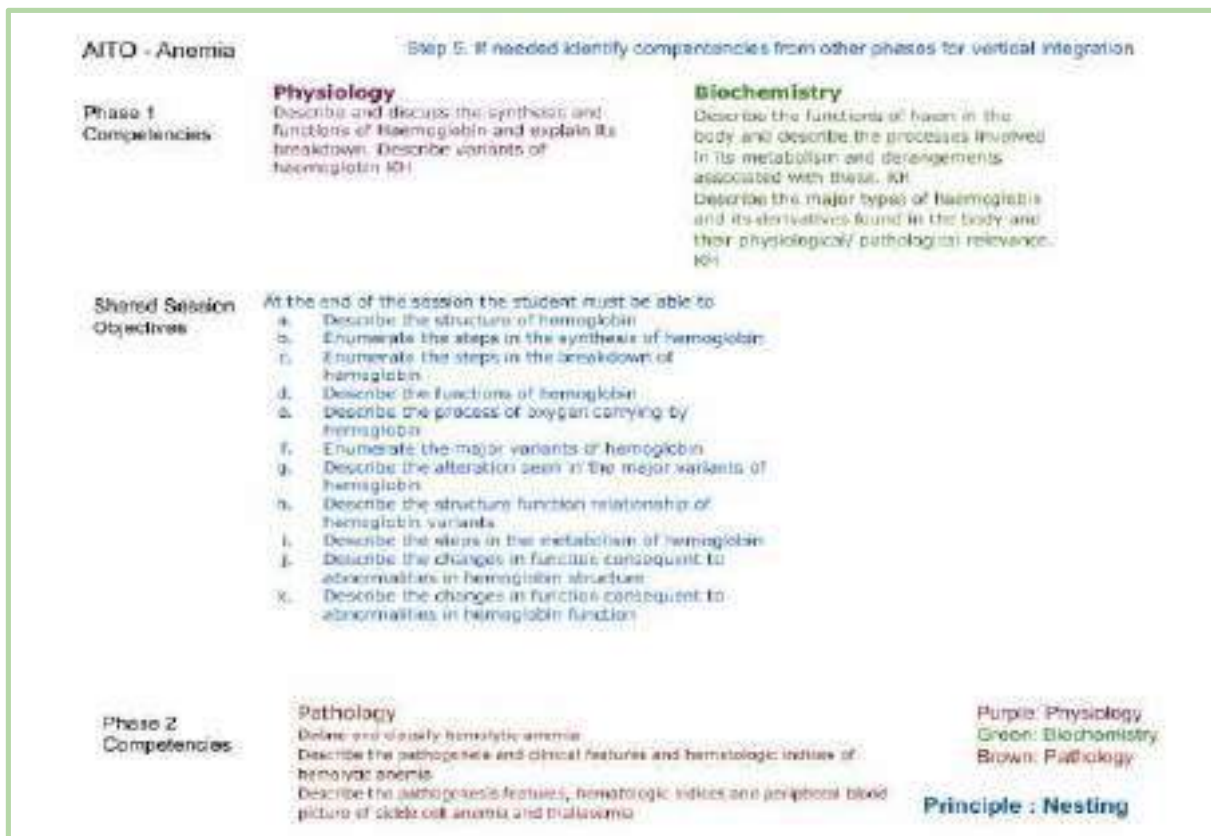


Fig 9.5 If desired, subjects from other phases are reviewed for competencies that will enhance the value of the learning session - in this instance a few competencies from pathology are brought into phase I to enhance the value of learning in the shared session.

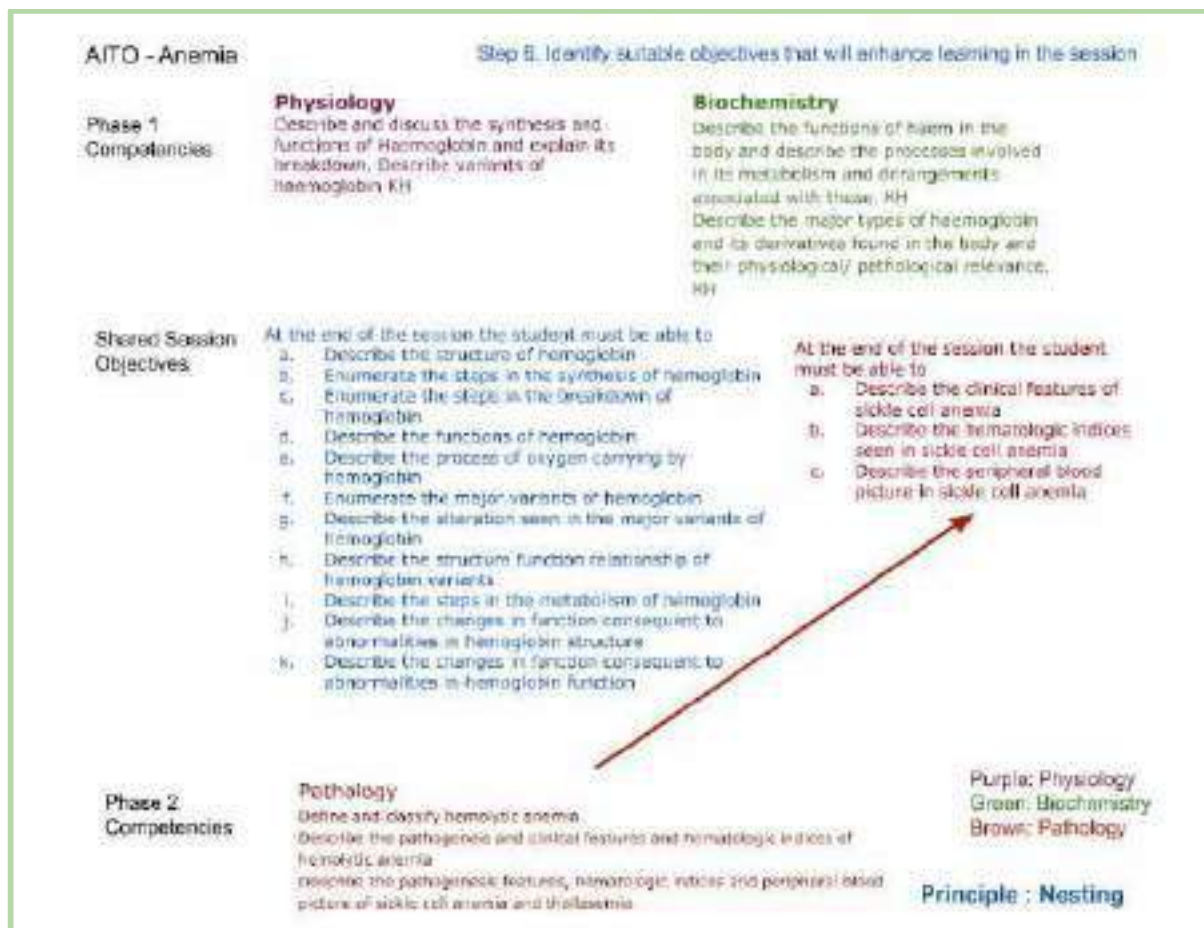


Fig 9.6 Objectives from the pathology (brown) competencies are listed



Fig 9.7: Selected objectives are “nested” to the shared session

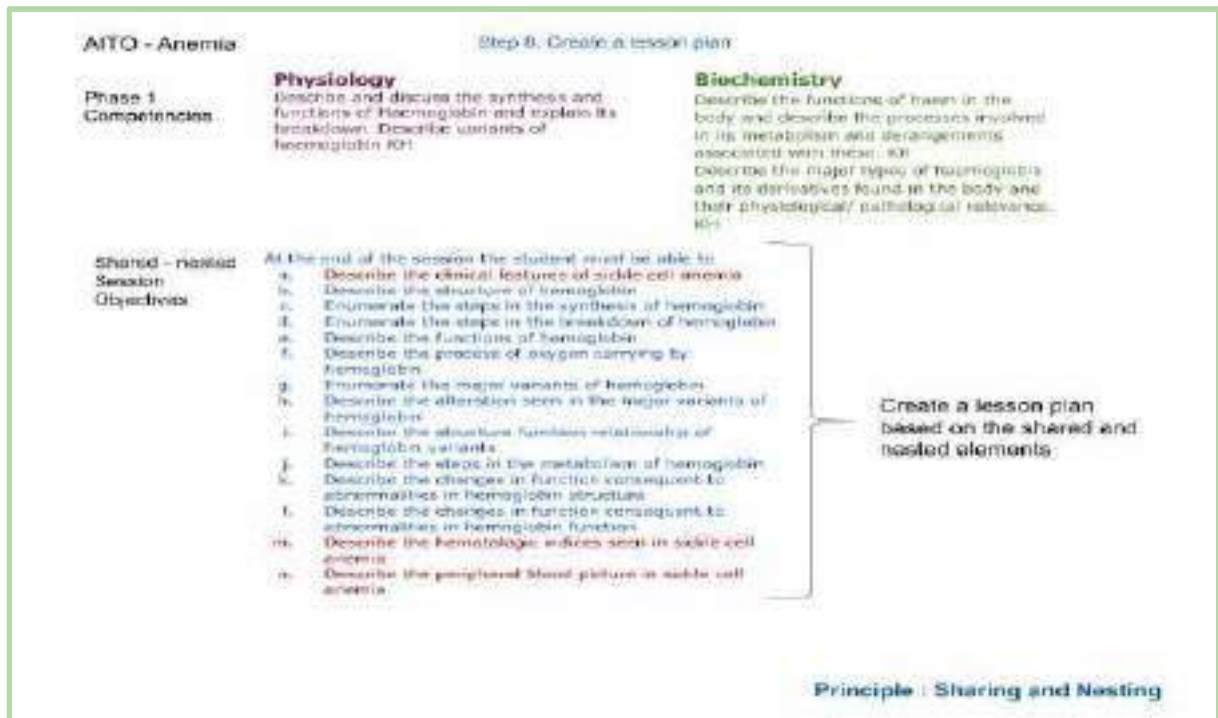


Fig 9.8 A lesson plan is created for the integrated session

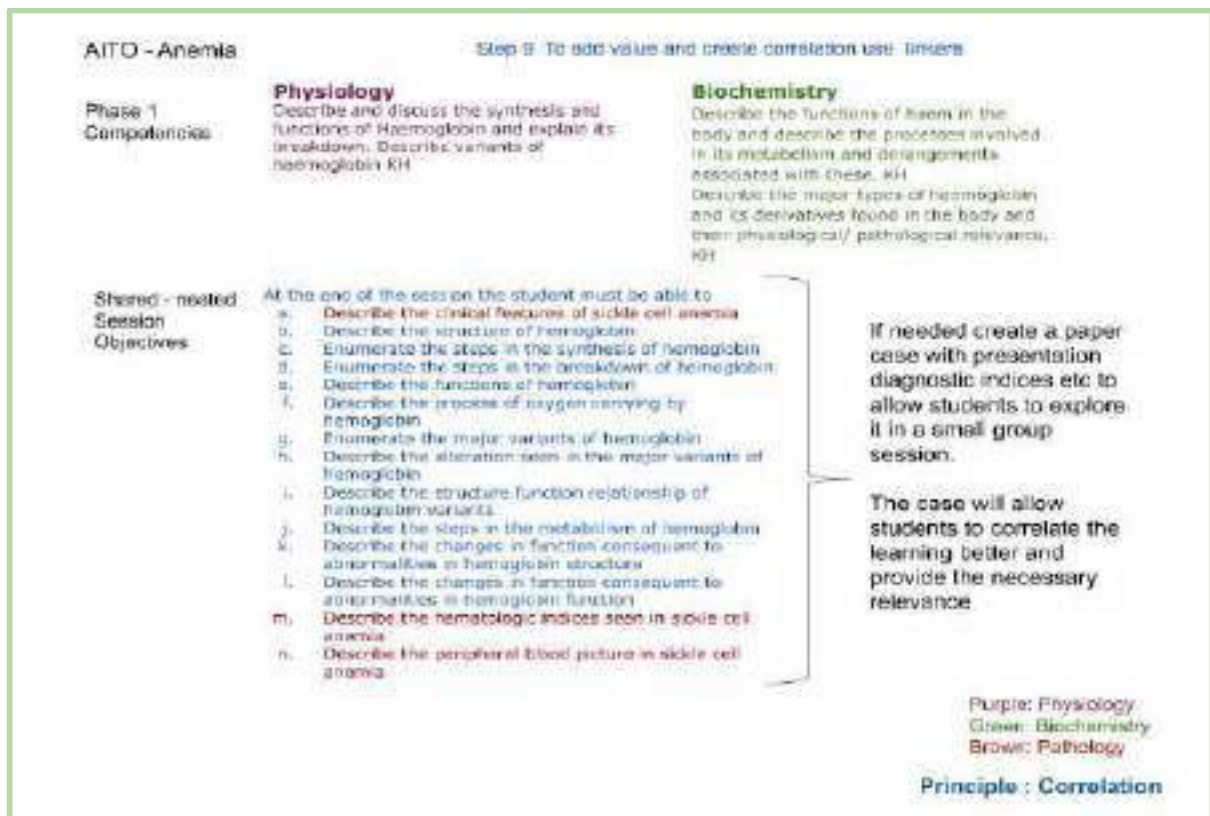
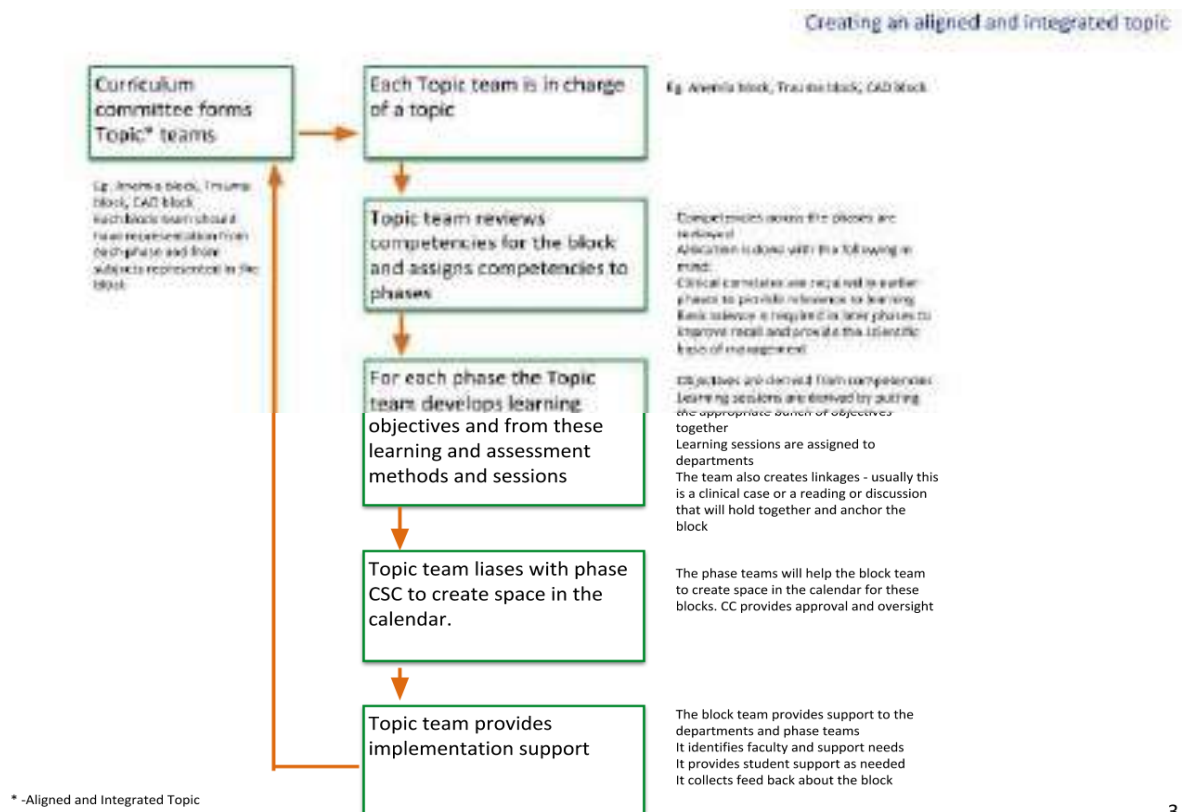


Fig 9.9 A paper case is often used as a linker to improve the relevance and allow greater correlation

Curricular Governance required to create and implement an Aligned and Integrated Curriculum



3

Figure 10: Steps and oversight required in development of Aligned and Integrated Topic

The development of an aligned and integrated curriculum will require significant collaboration from all stakeholders. In addition, curricular oversight will be required for its smooth implementation.

1. The Dean as the head of the institution and also as the Chairman of the Curriculum Committee will be responsible for the overall development, implementation and oversight of the curriculum.
2. The Curriculum Committee as constituted in accordance with the directives of the MCI will:
 - a. Develop a strategy for creating and implementing the curriculum and providing oversight,
 - b. Decide if the alignment will be topic or organ system based,
 - c. Create a phase-wise Curriculum Subcommittee (PWCS) to oversee the creation and delivery of aligned and integrated curriculum,
 - d. Create and support topic teams which will develop objectives and learning sessions for each topic across the phases,
 - e. Approve and release the annual timetable for each phase,

- f. Liaise with the Medical Education Unit or Department for required faculty support.
3. The Phase-wise Curricular Sub-committees (PWCSC) may be constituted with heads of Departments or key faculty in each phase with adequate representation from other phases and reporting to the Curriculum Committee. The PWCSC should:
 - a. Review competencies for each phase and convert them into learning objectives,
 - b. Align the curriculum as much as possible and enlist help from other phases in creating necessary vertical integration and links,
 - c. Reduce redundancy across the phase by integrating overlapping teaching elements,
 - d. Develop learning and assessment methods for each phase,
 - e. Prepare the timetable for the phase and present it to the Curriculum Committee for approval.
4. If needed, topic teams or Alignment and Integration (AIT) teams may be created. These teams will have at least one member from each department across phases and is responsible for delivery of the topics identified. The AIT team will:
 - a. Create learning and assessment sessions of the Aligned and Integrated Topics (AITo) identified across phases,
 - b. Represent the Aligned and Integrated Topic (AITo) to the phase-wise Curricular subcommittee and/or Curriculum Committee,
 - c. Review competencies and develop learning objectives for the topic,
 - d. Assign learning objectives to each phase and teaching session,
 - e. Develop learning and assessment methods for the AITo,
 - f. Help faculty with delivering session appropriately and in a collaborative manner across phases,
 - g. Collect feedback for the AITo, and
 - h. Provide student support.

Further reading

Required Reading

1. Ronald M Harden, The integration ladder: a tool for curriculum planning and evaluation, *Medical Education* 2000;34:551-557.
2. Alam Sher Malik & Rukhsana Hussain Malik, Universiti Teknologi MARA, Malaysia Twelve tips for developing an integrated curriculum". *Medical Teacher* 2011; 33: 99–104.
3. David G. Brauer & Kristi J. Ferguson 1, Washington University School of Medicine, USA, University of Iowa, USA; The integrated curriculum in medical education: AMEE Guide No. 96.
4. Integration of basic and clinical sciences - AMEE 2008 Paul Bradley and Karen Mattick, Peninsula College of Medicine and Dentistry, UK, <https://amee.org/getattachment/Conferences/AMEE-Past-Conferences/AMEE-Conference-2008/Introduction-to-Medical-Education-Bradley-Mattick.pdf>.

Additional reading

1. Gustavo A. Quintero, John Vergel, Martha Arredondo, Maria-Cristina Ariza, Paula Gomez & Ana-Maria Pinzon-Barrios, Integrated Medical Curriculum: Advantages and Disadvantages. *Journal of Medical Education and Curriculum Development* 2016; J Med Educ Curric Dev 3:S18920 (online).

Appendix 1

Examples of aligned and integrated topics (indicative)

Anemia
Jaundice
Diabetes
Thyroid Diseases
Nutrition
Febrile Illness
Tuberculosis
Malaria
Diarrhoea
Ischemic Heart Disease
Polycystic Ovarian Syndrome

Appendix 2

Understanding the competencies table

1	2	3	4	5	6	7	8	9	10
No.	Competencies	Domain	K/KH/SH/P	Core	Suggested Teaching Learning method	Suggested Assessment method	No req to certify P	Vertical Integration	Horizontal Integration
Physiology									
Summary Name of Topic: General Physiology Number of competencies: (08)									
Number of procedures that require certification: Nil									
PY1.1	Describe the structure and functions of a mammalian cell. Elicit 5000-6000 and present a medical history that helps delineate the aetiology of these diseases that includes the evolution and pattern of symptoms, risk factors, exposure through occupation and travel	K	KH	Y	Lectures, Small group discussion	Written/viva			Biochemistry
GAT20-4		S	SH	Y	bed side clinic, DCAP	Skill assessment	no of times a skill needs to be done independently to be certified for independent performance. Rarely used in UC	Community Medicine	
<p>Unique number of the competency. First two alphabets represent the subject (see list). Number following alphabet reflects topic. Number following period is a running number.</p> <p>Description of competency</p> <p>Identifies the domain or domains addressed: K- Knowledge S- Skill A- Attitude C- Communication</p> <p>Identifies the level of competency required based on the Miller's pyramid: K- Knows KH- Knows How S- Skill SH- Show How P- Perform independently</p> <p>Identifies the suggested learning method. DUNP - Demonstrate (by student) Observe Assist Perform</p> <p>Identifies the suggested assessment method. Skill assessment - Clinics, Skills lab, Practical etc</p> <p>Subject(s) in the same phase with which the competency can be horizontally integrated or aligned to allow a more wholesome understanding</p> <p>Subject(s) in other phases with which the competency can be vertically integrated to increase relevance or improve basic understanding.</p>									

Appendix 3

How to choose competencies from different subjects in various phases for a given topic

(illustrative example)

Competencies for the topic anemia from various phases from the competency booklet volumes 1-3

Year	No.	Competencies*	No.	Competencies*	
1		Physiology		Biochemistry	
	PY2 .1	Describe the composition and functions of blood components			
	PY2 .2	Discuss the origin, forms, variations and functions of plasma proteins	BI 5. 2	Describe and discuss functions of proteins and structure-function relationships in relevant areas eg, hemoglobin and selected hemoglobinopathies	
	PY2 .3	Describe and discuss the synthesis and functions of Haemoglobin and explain its breakdown. Describe variants of haemoglobin	BI 6. 11	Describe the functions of haem in the body and describe the processes involved in its metabolism and describe porphyrin metabolism.	
	PY2 .4	Describe RBC formation (erythropoiesis & its regulation) and its functions	BI 6. 12	Describe the major types of haemoglobin and its derivatives found in the body and their physiological/ pathological relevance.	
				No	
2		Pathology		Pharmacology	
	PA1 3.1	Describe hematopoiesis and extramedullary hematopoiesis	P H 1. 35	Describe drugs used in hematological disorders and discuss mechanism/s of action, types, doses, side effects, indications and contraindications, like 1. Drugs used in anemias 2. Colony Stimulating factors	
				Microbiology	
				M 1 2 4	List the common microbial agents causing anemia. Describe the morphology, mode of infection and discuss the pathogenesis, clinical course, diagnosis and prevention and treatment of the common microbial agents causing Anemia.

	PA1 3.2	Describe the role of anticoagulants in hematology		
	PA1 3.3	Define and classify anemia		
	PA1 3.4	Enumerate and describe the investigation of anemia		
3		Medicine		Pediatrics
	IM9. 1	define describe and classify anemia based on red blood cell size and reticulocyte count	PE 13 .1	Discuss the RDA, dietary sources of Iron and their role in health and disease
	IM9. 2	describe and discuss the morphological characteristics aetiology and prevalence of each of the causes of anemia	PE 13 .2	Describe the causes, diagnosis and management of Fe deficiency
	IM9. 4	describe and discuss the genetic basis of some forms of anemia	PE 13 .3	Identify the clinical features of dietary deficiency of Iron and make a diagnosis
	IM9. 5	elicit document and present a medical history that includes symptoms, risk factors including GI bleeding, prior history, medications, menstrual history, and family history	PE 13 .4	Interpret hemogram and Iron Panel

* List of competencies only representative, not complete.

Appendix 4

Sample time table with AIT

Time	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8
8-9 am	Blood and its components by a Hematologist Linker-Case 1 PY 2.1 Describe the composition and functions of blood and its components		Linker Part A of case 1 addresses PY 2.1 PY 2.2 PY 2.9 small group discussion + formative assessment					Written Assessment 1 PY 2.5 PA 13.3
9-10 am	Blood groups , Principles of Blood transfusion and banking PY 2.9 Describe different blood groups and discuss the clinical importance of blood grouping, blood banking and transfusion	Blood groups , Principles of Blood transfusion and banking PY 2.9 Describe different blood groups and discuss the clinical importance of blood grouping, blood banking and transfusion	Erythropoiesis - Linker part B PY 2.5 Describe RBC formation (erythropoiesis & its regulation) and its functions PA 13.1 Describe hematopoiesis and extra medullary Hematopoiesis	Role of Iron and Vit A B12 in Erythropoiesis PA 14.1 Describe Iron metabolism PA 15.1 Describe the metabolism of Vitamin B12 and the etiology and pathogenesis of B12 deficiency	Haem synthesis and metab PY2.3 Describe & discuss synthesis & functions of Hb & explain its breakdown. Describe Hb variants BI 6.11 Describe the functions of haem in body and describe the processes involved in its metabolism and derangements associated. Porphyrins	Types of hemoglobin and their clinical significance BI 6.12 Describe the major types of Hb and its derivatives found in body and their physiological/ pathological relevance.	Physiology of Hemotysts and Anemia PA 13.3 Define and classify anemia PY 2.5 Describe different types of anemia & Jaundice	Linker Part B of case 1 addresses PY 2.5 , BI 6.12 ,PY 2.9 , PA 13.3 small group discussion + Formative assessment 1
10 - 11 am	PY 2.9 Group A) Visit to the blood bank Group B) PY 2.11 Blood Grouping cross matching BDAF session	PY 2.9 Group B) Visit to the blood bank Group A) PY 2.11 Blood Grouping cross matching	Peripheral smear examination Group A PY 2.1 Describe the composition and functions of blood and its components Q&A) Identify RBC , WBC and platelet in normal peripheral smear B) Discuss their functions Group B Visit to Hematology lab / Or ALC animation	Physiology practical Group A PY 2.11 Estimate RBC count and interpret normal Group B PY2.11 Estimate Hb, RBC indices and interpret PA 13.4 Enumerate and describe the normal blood parameters	Physiology practical Group B PY 2.11 Estimate RBC count and interpret normal Group A PY2.11 Estimate Hb, RBC indices and interpret PA 13.4 Enumerate and describe the normal blood parameters	Physiology practicals Group A PY 2.12 Demonstrate the tests for ESR, Hematocrit. Note the findings and interpret the results Group B PY 2.12 Demonstrate Osmotic fragility test . Note the findings and interpret the results	Physiology practical Group B PY 2.12 Demonstrate the tests for ESR, Hematocrit. Note the findings and interpret the results Group A PY 2.12 Demonstrate Osmotic fragility test Note the findings and interpret the results	Skills assessment 1 PY 2.9 , PY 2.11, PY 2.1, PA 13.4 ,PY 2.12
11-12.00								
1-2 pm	Plasma Proteins PY 2.2 Discuss the origin, forms, variations and functions of plasma proteins	Blood groups , Principles of Blood transfusion and banking PY 2.1 ,2.2 PY 2.9 Formative Assessment Reflective exercise						Feedback
2-3 pm	Non Aligned sessions in Anatomy					Radiological ANATOMY	Osteology	Remedial
3-4 pm						Surgical Anatomy	Surface Anatomy	
Submissions					PY 2.5 PA 14.1 PA 15.1 Assignment- 1 on Erythropoiesis and factors regulating	PY 2.3 BI 6.11BI 6.12 Assignment 2 on Haem synthesis and metabolism		

P.E.S. INSTITUTE OF MEDICAL SCIENCES & RESEARCH
KUPPAM – 517 425, CHITTOOR DIST, ANDHRA PRADESH.

Ref: PESIMSR/ESTAB / 88/2024-25

Date : 28.02.2024

ORDER

(PHASE-I - DISTRICT RESIDENCY PROGRAMME)

As per Communication from the District Coordinator of Hospital Services, Chittoor, Tirupathi and Annamayya Districts, the following students of II year Postgraduates are posted to phase-I District Residency Programme from 01.03.2024 to 31.05.2024.

Concerned Head of the departments of PESIMSR, Kuppam, are requested to relieve the following students and direct them to report to the District Residency Programme as per the orders issued by DCHSs of Concerned Districts.

Sl No	Course	Name of Postgraduate	Posted @	Remarks
1	MD-GENERAL MEDICINE	KOTTHINTI ANIL KUMAR	AH, Piler, Dist-Annamayya	
2	MD-GENERAL MEDICINE	MIDDE DEEP TEJESH	CHC, Panyam, Dist-Kurnool.	
3	MD-GENERAL MEDICINE	NUKALA S PRASAD	CHC, Kamalapuram, Dist-Kodapa.	
4	MD-GENERAL MEDICINE	SHODHAN PATEL	AH, Kuppam	
5	MD-DVL	G KISHORE KUMAR	AH, Kuppam	
6	MD-PSYCHIATRY	P SINDHURA	AH, Srikalahasthi	
7	MD-PAEDIATRICS	SANDHYA K	CHC, Puttur	
8	MD-PAEDIATRICS	SHARMILA L	AH, Kuppam	
9	MS- GENERAL SURGERY	KOMERLA PRADEEP KUMAR	AH, Kuppam	
10	MS-GENERAL SURGERY	THATCHANAMOORTHY P R	AH, Kuppam	
11	MS-GENERAL SURGERY	PULA VINEETHA	AH, Giddalur, Dist-Prakasam	
12	MS-ORTHOPEDICS	VEERAPOGU RAINY PHILONA	CHC, Yemmiganur, Dist- Kurnool	
13	MS-ORTHOPEDICS	BEKKEM MANI DINAKAR REDDY	AH, Kuppam	
14	MS-ORTHOPEDICS	ARUMALLA KARTEEK	DH, Tenali, Dist- Guntur	
15	MS-OPHTHALMOLOGY	MAKKENA MANI SHANKAR	DH, Narasaraopet	
16	MS-ENT	MANEESH P	AH, Kuppam	
17	MS-OBG	SWETHA MEKALA	AH, Gudur	
18	MS-OBG	R JASWITHA	AH, Kuppam	
19	MS-OBG	PRARTHANA B	AH, Kuppam	
20	MD-ANAESTHESIOLOGY	MADANA MADHURI	AH, Kuppam	

Contd.,2

Sl No	Course	Name of Postgraduate	Posted @	Remarks
21	MD-ANAESTHESIOLOGY	PACHURU KISHORE	AH, Kuppam	
22	MD-ANAESTHESIOLOGY	LEBAKU SWARUPARANI	AH, Gudur	
23	MD-RADIOLOGY	BATHULA SOUJANYA YADAV	AH, Kuppam	
24	MD-RADIOLOGY	JAYASREE S	AH, Kuppam	
25	MD-EMERGENCY MEDICINE	BALA MURUGAN S	AH, Kuppam	
26	MD-PATHOLOGY	HARISH VENKATESH	AH, Kuppam	
27	MD-PATHOLOGY	TIRUMALASETTY PAVITHRA	AH, Kuppam	

Note : Students who opted for the home town postings should report as per the DCHS of the concern Districts.


DEAN & PRINCIPAL

DEAN & PRINCIPAL
F&S Institute of Medical Science & Research
Kuppam-517425, Chittoor Dist. A.P.

CC to:MD/AMD/Medical Superintendent/Vice Principal/Concern HoDs/Concern Students Whatsapp Groups /Nodal Officer- DRP , PESIMSR/ PF Coordinator / Accouts Section / HRD/O/c

P.E.S. INSTITUTE OF MEDICAL SCIENCES & RESEARCH

KUPPAM - 517 425, CHITTOOR DIST, ANDHRA PRADESH.

Ref : PESIMSR/ESTAB/83/2023-24

06.12.2023

ORDER

(PHASE-IV - DISTRICT RESIDENCY PROGRAMME)

As per Communication from Dr.Sunitha.S., co-ordinate-DRP & Prof & HoD of SPM, SV Medical College, Tirupati, the following students of Postgraduates (2021-22 batch) are posted to phase-IV District Residency Programme w.e.f. 06.12.2023.

Concerned Head of the departments of PESIMSR, Kuppam, are requested to relieve the following students and direct them to report to the District Residency Programme as per the orders issued by DCHSs of Concerned Districts.

Sl No	Name of the Dept	Name of Postgraduate	Posted @	Remarks
1	MD - General Medicine	Dr. CHUPPALA BHARATH	CHC, Midthur	
2	MD - General Medicine	Dr. DAIVALA SANJANA	A H,Pendurthi	
3	MD - General Medicine	Dr. PINJARI SHAIK SHAVALI	A H,Yemmiganur	
4	MD - General Medicine	Dr. M VIJAY KUMAR REDDY	A H,Allagadda	
5	MD - Paediatrics	Dr. MARADANA PRIYANKA	A H,Parvathipuram	
6	MS - Orthopaedics	Dr. BADHRI NARAYANA BOLISETTY	AH, Narasannapeta	
7	MS - Orthopaedics	Dr. KUNA HEMANTH	AH, Narasannapeta	
8	MD/MS - OBG	Dr. SARMA ARSHIYA PARVEEN	AH, Kadiri	
9	MD/MS - OBG	Dr. NARREDDY ANUSHA	AH, Tadipathri	
10	MD - Anaesthesiology	Dr. MD. AYESHA SHABREEN	AH, Dharmavaram	
11	MD - Anaesthesiology	Dr. NAKKALA KAVYA SREE	CHC, Panyam	
12	MD - Pathology	Dr. KAVITHA REDDY GADE	AH, Sattenapalli	
13	MD - Pathology	Dr. VADDAVALLI VIDHYA DHARI	AH, Chirala	

The concern HoDs are hereby requested to kindly permit them for the same.


DEAN & PRINCIPAL

DEAN & PRINCIPAL
PES Institute of Medical Science & Research
Kuppam-517425, Chittoor Dist, A. P.

Cc to

MD/AMD

Medical Superintendent

Concern HoDs

Nodal Officer - DRP, PESIMSR, Kuppam

Concern Students Whatsapp Groups

O/c

DISTRICT RESIDENCY PROGRAMME PHASE-4 (06-12-2023 TO 06-03-2023)			POST GRADUATES OPTED FOR HOME TOWN	
S. NO.	NAME OF THE COLLEGE	NAME OF THE POST GRADUATE	NAME OF THE DEPARTMENT	HOME TOWN
1	PESIMSR, KUPPAM	Dr:KUNA HEMANTH	ORTHOPAEDICS ✓	AREA HOSPITAL, NARASANNAPETA, SRIKAKULAM ✓
2	PESIMSR, KUPPAM	Dr:BADHRI NARAYANA BOLISETTY	ORTHOPAEDICS ✓	AREA HOSPITAL, NARASARAOPETA, GUNTUR ✓
3	PESIMSR, KUPPAM	Dr: SARMA ARSHIYA PARVEEN	OBSTETRICS AND GYNAECOLOGY ✓	AREA HOSPITAL, KADIRI, SRI SATYA SAJ ✓
4	PESIMSR, KUPPAM	Dr: MARAMREDDY VIJAY KUMAR REDDY	GENERAL MEDICINE ✓	CHC, ALLAGADDA, KURNOOL ✓
5	PESIMSR, KUPPAM	Dr: C.BHARATH	GENERAL MEDICINE ✓	CHC, MIDTHUR, KURNOOL ✓
6	PESIMSR, KUPPAM	Dr: PINJARI SHAIK SHAVALI	GENERAL MEDICINE ✓	AREA HOSPITAL, YEMMIGANUR, KURNOOL DISTRICT ✓
7	PESIMSR, KUPPAM	Dr: MARADANA PRIYANKA	PEDIATRICS ✓	AREA HOSPITAL, PARVATHIPURAM, PARVATHIPURAM MANYAM DIST ✓
8	PESIMSR, KUPPAM	Dr: VADDAVALLI VIDHYA DHARI	PATHOLOGY ✓	AREA HOSPITAL, CHIRALA, BARAJA DISTRICT ✓
9	PESIMSR, KUPPAM	Dr: KAVITHA REDDY GADE	PATHOLOGY ✓	AREA HOSPITAL, SATTENAPALLI, PALNADU DISTRICT ✓
10	PESIMSR, KUPPAM	DR MOHAMMAD AYESHA SHABREEN	ANAESTHESIA ✓	AREA HOSPITAL DHARMAVARAM, ANANTAPUR DIST ✓
11	PESIMSR, KUPPAM	Dr: NARREDDY ANUSHA	OBSTETRICS AND GYNAECOLOGY ✓	AREA HOSPITAL, TADIPATRI, ANANTAPUR ✓
12	PESIMSR, KUPPAM	DR DAIVALA SANJANA	MD GENERAL MEDICINE ✓	AREA HOSPITAL PENDURTHI, VISAKHAPATNAM DISTRICT ✓
13	PESIMSR, KUPPAM	DR. KAVYA SREE	ANAESTHESIA ✓	CHC, PANYAM, KURNOOL ✓


 DEAN & PRINCIPAL
 PES Institute of Medical Sciences & Research
 Kuppam-517423, Chittoor Dist.A.P

P.E.S. INSTITUTE OF MEDICAL SCIENCES & RESEARCH

KUPPAM - 517 425, CHITTOOR DIST, ANDHRA PRADESH.

Ref : PESIMSR/ESTAB/ /2023-24

05.12.2023

ORDER

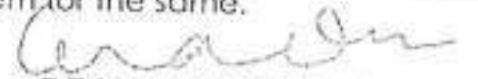
(PHASE-IV - DISTRICT RESIDENCY PROGRAMME)

In continuation of letter dated 05.12.2023 from the District Coordinator of Hospital Services, Chittoor & Tirupathi Districts, the following students of Postgraduates (2021-22 batch) are posted to phase-IV District Residency Programme w.e.f. 06.12.2023.

Concerned Head of the departments of PESIMSR, Kuppam, are requested to relieve the following students and direct them to report to the District Residency Programme as per the orders issued by DCHSs of Concerned Districts.

Sl No	Name of the Dept	Name of Postgraduate	Posted @	Remarks
1	MD - General Medicine	Dr.MULAGAPAKA VINUSHA	A H, Kuppam	
2	MD - General Medicine	Dr.THAMMANNAGARI DINESH	A H, Srikalahasti	Allotted to CHC, Naravaripalli
3	MD - Psychiatry	Dr.C LEKHASREE	A H, Kuppam	
4	MD - Psychiatry	Dr.MITIKIRI YASHODA	A H, Kuppam	
5	MD - Paediatrics	Dr.SIDDAGUNTA PUJITHA	A H, Srikalahasti	Allotted to CHC, Pullur
6	MD - Paediatrics	Dr.MANNEM AMANI	A H, Srikalahasti	
7	MS - General Surgery	Dr.N MONICA	A H, Kuppam	
8	MS - General Surgery	Dr.B KRISHNA MITHRA	A H, Kuppam	
9	MD/MS - Ophthalmology	Dr.ERLA MANASA	A H, Kuppam	
10	MD/MS - OBG	Dr.C NIKHITHA	A H, Kuppam	
11	MD/MS - OBG	Dr.PUNUGUNTA KEERTHY PRIYA	A H, Palamaner	Allotted to CHC, V.Kota
12	MD - Anaesthesiology	Dr.UGRANAM SRAVANI	A H, Kuppam	
13	MD - Anaesthesiology	Dr.VATURI SATISH KUMAR	A H, Kuppam	
14	MD - Radio Diagnosis	Dr.DARBAR SAI KIRAN	A H, Kuppam	
15	MD - Emer Medicine	Dr.BOTCHU SRIKAR YADAV	A H, Kuppam	
16	MD - Pathology	Dr.CHINTHAKAYALA HARITHA	A H, Kuppam	
17	MD - SPM	Dr.S SRIKANTH	A H, Kuppam	

The concern HoDs are hereby requested to kindly permit them for the same.


DEAN & PRINCIPAL
PES Institute of Medical Science & Research
Kuppam-517-425, Chittoor D.L.A.P.

Cc to
MD/AMD
Medical Superintendent
Concern HoDs
Nodal Officer - DRP, PESIMSR, Kuppam
Concern Students Whatsapp Groups
O/c

P.E.S. INSTITUTE OF MEDICAL SCIENCES & RESEARCH

KUPPAM - 517 425, CHITTOOR DIST, ANDHRA PRADESH.

Ref: PESIMSR/ESTAB / 2023-24

Date : 05.09.2023

ORDER

(PHASE-III - DISTRICT RESIDENCY PROGRAMME)

In continuation of letter dated 03.09.2023 from the District Coordinator of Hospital Services, Chittoor, Tirupathi and Annamayya Districts, the following students of II year Postgraduates are posted to phase-III District Residency Programme from 06.09.2023 to 05.12.2023.

Concerned Head of the departments of PESIMSR, Kuppam, are requested to relieve the following students and direct them to report to the District Residency Programme as per the orders issued by DCHSs of Concerned Districts.

Sl No	Name of the Dept	Name of Postgraduate	Posted @	Remarks
1	MD - General Medicine	Dr.MARTHA KRISHNA SAHI REDDY	Indukurpet, Nellore	
2	MD - General Medicine	Dr.KUNDAVARAM SHIKARA REDDY	AH, Kuppam	
3	MD - General Medicine	Dr.GUNURU SRINIVAS	CHC, V.Kota	
4	MD - General Medicine	Dr.KALAGADDA SUNNY SANJAY	CHC, V.Kota	
5	MD - Psychiatry	Dr.SUPRIYA GANGADEVI	Guntakal	
6	MD - Psychiatry	Dr.S JAYA SREE	AH, Kuppam	
7	MD - Paediatrics	Dr.HUSSAINZAIMALIK AAMIR ALI KHAN	AH, Kuppam	
8	MD - Paediatrics	Dr.KANTIPULI HEMSAI	AH, Palamaner	
9	MS - General Surgery	Dr.DASARI KAVYA	AH, Kuppam	
10	MS - General Surgery	Dr.MD.REHAN FARAZ	Orvakal, Kurnool	
11	MS - General Surgery	Dr.G VENKATA DAKSHINYA	AH, Madanapalli	
12	MS - General Surgery	Dr.PUDOTA MITHUN CHAKRAVERTHY	AH, Kuppam	
13	MS - Orthopaedics	Dr.DUDEKULA SALEEM	AH, Kuppam	
14	MS - Orthopaedics	Dr.SANTOSH KIRAN	AH, Kuppam	
15	MS - Ophthalmology	Dr.VEMAVARAM JOYCEE SUMALATHA	AH, Kuppam	
16	MS - ENT	Dr. VISWANADHAPALLI VENKATA PASI	AH, Kuppam	
17	MS - ENT	Dr. SENTHIL RAJA S	AH, Kuppam	
18	MS - OBG	Dr. JAYA KUMARI SINHA	CHC, V.Kota	
19	MS - OBG	Dr. SATARLA APARNA	AH, Kuppam	
20	MS - OBG	Dr. KULURU MOUNIKA	Siddavatam, Kadapa	

Sl No	Name of the Dept	Name of Postgraduate	Posted @	Remarks
21	MS - OBG	Dr. THATUKURU CHANDINI	AH, Kuppam	
22	MD - Anaesthesiology	Dr. K M NITHISH	AH, Kuppam	
23	MD - Anaesthesiology	Dr. JEETHURI SOWJANYA	AH, Kuppam	
24	MD - Anaesthesiology	Dr. BADAVATH SINDHUJA	AH, Kuppam	
25	MD - Anaesthesiology	Dr.KAVYA MITTA	CHC, V.Kola	
26	MD-Radiodiagnosis	Dr.HARISH KUMAR	AH, Kuppam	
27	MD-Radiodiagnosis	Dr. GOWTHAM RAJ	AH, Kuppam	
28	MD - Emergency Medicine	Dr.GOPICHAND	AH, Kuppam	
29	MD - Pathology	Dr.G. RAMYA KUMARI	AH, Kuppam	
30	MD - Pathology	Dr.Y.GURUSEKHAR	Dharmavaram	


DEAN & PRINCIPAL

DEAN & PRINCIPAL
PES Institute of Medical Science & Research
H.O. Dr. G. N. Srinivasan P.

- CC to:MD/AMD/Medical Superintendent/Vice Principal/Concerned Heads/College In-charge
Whatsapp Groups /Nodal Officer- DRP , PESIMSR/ O/c

P.E.S. INSTITUTE OF MEDICAL SCIENCES & RESEARCH
KUPPAM - 517 425, CHITTOOR DIST, ANDHRA PRADESH.

Ref: PESIMSR/ESTAB/203/2023-24

Date : 05.06.2023

ORDER

(PHASE-II - DISTRICT RESIDENCY PROGRAMME)

In continuation of letter dated 02.06.2023 from the District Coordinator of Hospital Services, Chittoor, Tirupathi and Annamayya Districts, the following students of II year Postgraduates are posted to phase-II District Residency Programme w.e.f. 06.06.2023.

Concerned Head of the departments of PESIMSR, Kuppam, are requested to relieve the following students and direct them to report to the District Residency Programme as per the orders issued by DCHSs of Concerned Districts.

Sl No	Name of the Dept	Name of Postgraduate	Posted @	Remarks
1	MD - General Medicine	KANDULA YENKATA SAI RAGHAVENDRA	CHC, V.Kota	<i>Yenkata Sai</i>
2	MD - General Medicine	V SAI NIKHILESHWAR	CHC, V.Kota	<i>V Sai Nikhileshwar</i>
3	MD - General Medicine	ANNAPPAREDDY BHUVAN CHANDRA	AH, Kuppam	<i>Bhuvan Chandra</i>
4	MD - DVL	PRIYANKA K C	AH, Kuppam	<i>KC Priyanka</i>
5	MD - DVL	BALLA PREETHI	AH, Nagari	<i>Preethi Balla</i>
6	MD - Paediatrics	PULI SUDEEPTI	AH, Kuppam	<i>Sudeepti Puli</i>
7	MD - Paediatrics	TEERUPATI.PRASUNA YADAV	CHC, V.Kota	<i>Prasuna Teerupati</i>
8	MS - General Surgery	N R REDDY HEMANTH	AH, Srikalahasti	<i>Hemant N R Reddy</i>
9	MS - General Surgery	GONA BHAGYA LALITHA	AH, Kuppam	<i>Bhagya Lalitha Gona</i>
10	MS - General Surgery	B PRANATHI	AH, Srikalahasti	<i>Pranathi B</i>
11	MS - General Surgery	G SREEMEENU	AH, Nagari	<i>G Sreemeenu</i>
12	MS - Orthopaedics	S MD SALAUDDIN	AH, Kuppam	<i>S MD Salauddin</i>
13	MS - Orthopaedics	PAPAKUNNA POOJITHA	AH, Srikalahasti	<i>Poojitha Papakunna</i>
14	MS - Orthopaedics	J M VYSHNAVI	AH, Piler	<i>J M Vyshnavi</i>
15	MD/MS - Ophthalmology	GAJJALA MANASA REDDY	AH, Kuppam	<i>Manasa Reddy Gajjala</i>
16	MS - ENT	POLU POOJITHA	AH, Kuppam	<i>Poojitha Polu</i>
17	MS - ENT	CLINTON ROY	AH, Kuppam	<i>Clinton Roy</i>
18	MD/MS - OBG	PASUMARTHI MOUNICA	AH, Eluru	<i>Mounica Pasumarthi</i>
19	MD/MS - OBG	BAVIGADDA CHANDRIKA	AH, Guntakal	<i>Chandrika Bavigadda</i>
20	MD/MS - OBG	J VENNELA	AH, Tadipathi	<i>J Vennela</i>
21	MD - Anaesthesiology	SADAM HARI PRIYA	AH, Srikalahasti	<i>Hari Priya Sadam</i>
22	MD - Pathology	B LAVANYA	DH, Madanapalli	<i>B Lavanya</i>
23	MD - SPM	G USHARANI	AH, Kuppam	<i>G Usha Rani</i>



Arav
DEAN & PRINCIPAL
PES Institute of Medical Science & Research
Kuppam - 517425, Chittoor Dist & B

CC to: MD/AMBY Medical Superintendent/Vice Principal/Concern HoDs/Groups/Nocturnal Officer- DRP, PESIMSR/ O/c

P.E.S. INSTITUTE OF MEDICAL SCIENCES & RESEARCH

KUPPAM - 517 425, CHITTOOR DIST, ANDHRA PRADESH.

Ref: PESIMSR/ESTABL/ 454 / 2022-23

01.03.2023

CIRCULAR

As per telephonic communication from the Principal, S.V. Medical College, Tirupati, the following 3 year postgraduate students are hereby directed to attend a meeting at 10.00 am tomorrow i.e., on 02.03.2023 at SV Medical College, Tirupati for counseling and further postings for District Residency Programme (DRP).

Sl No	Name of the Dept	Name of Postgraduate	Remarks
1	MD - General Medicine	J.T.V.KRISHNA RAVAN KUMAR	✓ Kuppam
2	MD - General Medicine	'DIMADAKALA SAJ PREETHI	✓ - V.berh
3	MD - Psychiatry	TAMILCHELVAN SHALINI	✓ - Pala.
4	MD - DVL	G BHANU PRAKASH	X
5	MD - DVL	VARSHA S	X
6	MD - Paediatrics	SAJJA CHENCHU ROOPA DEVI	✓ - Pala.
7	MS - General Surgery	A.POOJA	✓ - Pala.
8	MS - General Surgery	ARJUNKARTHIK M V	✓ - Kuppam
9	MS - Orthopaedics	SHESHACHALA S	✓ - Pala.
10	MS - ENT	RAVIPATI HARIKA	✓ - Pala.
11	MD - Anaesthesiology	VIGHNAJIT G L	✓ - Pala.
12	MD - Radio Diagnosis	SHAIK SHAFREEN	X
13	MD - Radio Diagnosis	KODURU HIMA BINDU	X

The concern HoDs are hereby requested to kindly permit them for the same.

Cc:

MD/AMD

Principal, SV Medical College, Tirupati

Medical Superintendent, PESIMSR

Concern HoDs of PESIMSR

Nodal Officer, DRP, PESIMSR

Concern Student's WhatsApp Groups of PESIMSR

O/o

DEAN & PRINCIPAL

[Handwritten Signature]

DEAN & PRINCIPAL
P.E.S. INSTITUTE OF MEDICAL SCIENCES & RESEARCH
KUPPAM - 517 425, CHITTOOR DIST, ANDHRA PRADESH.

**PES INSTITUTE OF MEDICAL SCIENCES AND RESEARCH
KUPPAM- 517425, CHITTOOR DIST, A.P**

MEDICAL EDUCATION UNIT

Ref: PESIMSR/MEU/12/2023

Dt 27 September 2023

Foundation Course for Fresh Entrants to First MBBS

For the academic year 2023 - 2024 (XXII BATCH)

Dates: from 04.10.2023 to 09.10.2023

Date: 04.10.2023 (Wednesday)

Venue: College Auditorium

9.00 am to 9.45 am	Saraswathi Pooja (Venue: College Entrance)
10.am to 12 noon	Inauguration (Venue: college Auditorium)
12 noon to 1.00 pm	Parents & Students Meet With the Dean & Principal(Venue: college Auditorium)

1 - 2 pm Lunch

Time	PROGRAM / TOPIC	FACULTY
2.30 - 3.30 pm	Anti Ragging Measures	Dr Sadashiv Gurudutt Pawar Prof & HOD Forensic Medicine & Chief Warden
03:00 to 03: 30pm	Goals & objectives of M.B.B.S. Course	Dr. Sujatha K Prof, Dept. of Anatomy

Date: 05.10.2023 (Thursday) Venue: Lecture Hall-4 (College Ground floor)

Time	PROGRAM / TOPIC	FACULTY
09:00 to 09:30 am	PHYSIOLOGY: How to study, Preparation for practical / Group distribution	Dr. S D Komala Prof & HOD, Dept. of Physiology.
09:30 to 10:00 am	ANATOMY : How to study, Preparation for Practical/ Group distribution	Dr. Manivannan Associate Prof., Dept. of Anatomy.
10:00 to 10:30 am	BIOCHEMISTRY: How to study, Preparation for Practical/ Group distribution	Dr. Praveen E Associate Prof Dept. of Biochemistry.
10:30 to 11:00 am	Tea Break	
11:00 am to 11:30 am	Use of Library & References	Mr Anand Naik Librarian
11:30 am to 12:00 noon	Importance of Language	Dr YJ Visweshwara Reddy Emeritus Professor Medicine
12.0 -1.00 pm	Effective Learning	Dr Praveen Kumar B A Prof Community Medicine
1.00 - 2.00 pm	Lunch	
2.00 -2:30 pm	Expected behavior of a Doctor	Dr L Krishna Emeritus Professor OBG
2.30 - 3:00 pm	Roles and Responsibilities of Students	Dr Hari Prasath Assoc Prof Microbiology
3.00pm onwards	Students Visit to PESIMSR Hospital	Dr. Narayan M Prof & HOD Ophthalmology & Dr Sridhar Annaji Asst Medical Superintendent Dr Mohana Rupa Prof of Pharmacology & AMS

**PES INSTITUTE OF MEDICAL SCIENCES AND RESEARCH
KUPPAM- 517425, CHITTOOR DIST, A.P**

MEDICAL EDUCATION UNIT

Date: 06.10.2023 (Friday) Venue: Lecture Hall-4 (College Ground floor)

Time	PROGRAM / TOPIC	FACULTY
09:00 am to 10:00 am	Anatomy	Dr Sujatha K
10:00 am to 11:00 am	Physiology	Dr Komala S D
2:30 pm to 4:00 pm	Student - Group Activity	Dr Nagesh Raju G Prof & HOD Pharmacology

Date: 07.10.2023 (Saturday) Venue: Lecture Hall-4 (College Ground floor)

Time	PROGRAM / TOPIC	FACULTY
09:00 am to 10:00 am	Biochemistry	Dr Praveen E
10:00 am to 11:00 am	Anatomy	Dr Sujatha K

Date: 09.10.2023 (Monday) Venue: Lecture Hall-4 (College Ground floor)

Time	PROGRAM / TOPIC	FACULTY
09:00 am to 10:00 am	Physiology	Dr Caroline Priyadarshini
10:00 am to 11:00 am	Biochemistry	Dr Praveen E
2:30 pm to 4:00 pm	Student - Group Activity	Dr Nagesh Raju G Prof & HOD Pharmacology


Coordinator
Medical Education Unit
PESIMSR, Kuppam - 517 425


DEAN & PRINCIPAL
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Kuppam - 517 425, Chittoor Dist. A.P.

**1st year MBBS students (Batch 2023-24) Foundation course - Medical Education Unit, PESIMSR [Time: 04:00 PM - 05:00 PM] Venue
Lecture Hall 4, College Building**

Sl No.	Date(Day)	Topic	Faculty
1	10.10.2023 (Tuesday)	Introduction to CBME, Learning Strategies	Dr Ramaswamy A S, Professor & HOD, Pathology
2	11.10.2023 (Wednesday)	Principles of Family practice	Dr Raghavendra, Consultant Family Physican
3	12.10.2023 (Thursday)	Reducing risk of distractions from Internet, Gaming, and Substance Addiction	Dr Sreelatha P, Prof., Psychiatry
4	13.10.2023 (Friday)	Stress Management	Dr Mukesh Asst Prof, of Psychiatry
5	16.10.2023 (Monday)	Alternate medicine	Dr Vaishali R N S R, Community Medicine
6	17.10.2023 (Tuesday)	Medical Negligence, Violence against doctors, Consequences of unethical and unprofessional behavior and Professional Confidentiality and Responsibility	Dr Pawar Gurudutt Sadashiv, Prof. & HOD Forensic Medicine
7	18.10.2023 (Wednesday)	What it is to be a doctor and Physician's Role in the society	Dr Harish Chandra Professor, Paediatrics
8	19.10.2023 (Thursday)	Basic Life Support & First Aid	Dr Irshad Ahmed Asst. Prof., Emergency Medicine
9	20.10.2023 (Friday)	Vaccines for Health professionals & Steps of Handwashing, COVID Precautions, Biomedical Waste Management	Dr C Nagaraj, Emeritus Professor, Microbiology
10	25.10.2023 (Wednesday)	Time Management	Dr Nagesh Raju G Prof & HOD, of Pharmacology
11	26.10.2023 (Thursday)	Medical Ethics & Professionalism	Dr Suresh Krishnamurthy, Medical Director, PESIMSR
12	27.10.2023 (Friday)	National Health Priorities, Health Care systems in India	Dr Chitra Nagaraj, Prof & HOD SPM
13	30.10.2023 (Monday)	Gender Sensitivity, Anti-sexual harassment committee	Dr VSSR Ryali, Vice Principal and Prof & HOD Psychiatry
14	31.10.2023 (Tuesday)	Practicalities in the campus	Dr Meghana and Dr Yash Prajapati Interns – 33 rd Batch

Sl. No.	Date (Day)	Topic	Faculty
15	01.11.2023 (Wednesday)	Career Opportunities in Medical Field	Dr Anjugam S, Senior Resident, Community Medicine
16	02.11.2023 (Thursday)	Breaking Bad News, Communication Skills in Medical Profession	Dr VSSR Ryali, Vice Principal and Prof & HOD, Psychiatry
17	03.11.2023 (Friday)	Exposure to Research and Informed Consent	Dr Praveen Kumar B A, Professor of Community Medicine
18	06.11.2023 (Monday)	Importance of Documentation	Dr John Dharan Asst Professor, Paediatrics
19	07.11.2023 (Tuesday)	Life Skills - 1	Dr Sreelatha P, Prof., Psychiatry
20	08.11.2023 (Wednesday)	Life Skills – 2	Dr Sreelatha P, Prof., Psychiatry
21	09.11.2023 (Thursday)	Exam Preparation	Dr NageshRaju Prof & HOD, of Pharmacology
22	10.11.2023 (Friday)	Yoga and Health and Activity	Ms Joshnavi 3 rd year MBBS student.


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 PESIMSR, Kuppam - 517 425


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**PES INSTITUTE OF MEDICAL SCIENCES AND RESEARCH
KUPPAM- 517425, CHITTOOR DIST, A.P**

MEDICAL EDUCATION UNIT

Ref: PESIMSR/MEU/08/2022

Dt 14 December 2022

Foundation Course for Fresh Entrants to First MBBS

For the academic year 2022 - 2023 (XXI BATCH)

Dates: from 19.12.2022 to 20.12.2022

Date: 19.12.2022 (Monday)

Venue: College Auditorium

9.30 am to 10 am	Saraswathi Pooja (Venue: College Entrance)
10.am to 12 noon	Inauguration (Venue: college Auditorium)
12 noon to 1.00 pm	Parents & Students Meet With the Dean & Principal(Venue: college Auditorium)

1 - 2 pm Lunch

Time	PROGRAM / TOPIC	FACULTY
2.30 - 3.30 pm	Anti Ragging Measures	Dr Sadashiv Gurudutt Pawar Prof & HOD Forensic Medicine & Chief Warden
03:00 to 03: 30pm	Goals & objectives of M.B.B.S. Course	Dr. Lakshmikanth Prof, Dept. of Anatomy

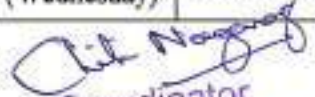
Date: 20.12.2022 (Tuesday) Venue: Lecture Hall-4 (College Ground floor)

Time	PROGRAM / TOPIC	FACULTY
09:00 to 09:30 am	PHYSIOLOGY: How to study, Preparation for practical / Group distribution	Dr. S D Komala Prof & HOD, Dept. of Physiology.
09:30 to 10:00 am	ANATOMY : How to study, Preparation for Practical/ Group distribution	Dr. K Sujatha Prof., Dept. of Anatomy.
10:00 to 10:30 am	BIOCHEMISTRY: How to study, Preparation for Practical/ Group distribution	Dr. Vinod Wali Prof & HOD, Dept. of Biochemistry.
10:30 to 11:00 am	Tea Break	
11:00 am to 11:30 am	Use of Library & References	Mr Suresh Babu Librarian
11:30 am to 12:00 noon	Importance of Language	Dr YJ Visweshwara Reddy Emeritus Professor Medicine
12.0 -1.00 pm	Effective Learning	Dr Praveen Kumar B A Prof Community Medicine
1.00 - 2.00 pm	Lunch	
2.00 -2:30 pm	Expected behavior of a Doctor	Dr L Krishna Emeritus Professor OBG
2.30 - 3:00 pm	Roles and Responsibilities of Students	Dr Shashi Bhushan Assoc Prof Anatomy & SWO
3.00pm onwards	Students Visit to PESIMSR Hospital	Dr. Narayan M Prof & HOD Ophthalmology & Dr Sridhar Annaji Asst Medical Superintendent Dr Mohana Rupa Prof of Pharmacology & AMS

**1st year MBBS students (Batch 2022-23) Foundation course - Medical Education Unit, PESIMSR [Time: 04:00 PM - 05:00 PM] Venue
Lecture Hall 4, College Building**

Sl. No.	Date(Day)	Topic	Faculty
1	16.01.2023 (Monday)	Introduction to CBME, Learning Strategies	Dr Ramaswamy A S, Professor & HOD, Pathology
2	17.01.2023 (Tuesday)	National Health Priorities, Health care systems in India,	Dr Chitra Nagaraj, Prof & HOD, SPM
3	18.01.2023 (Wednesday)	What it is to be a doctor and Physician's Role in the society	Dr Nagendra Professor, Paediatrics
4	19.01.2023 (Thursday)	Time Management	Dr Nagesh Raju Prof & HOD, of Pharmacology
5	20.01.2023 (Friday)	Stress Management	Dr Nagesh Raju Prof & HOD, of Pharmacology
6	23.01.2023 (Monday)	Medical Negligence, Violence against doctors, Consequences of unethical and unprofessional behavior and Professional Confidentiality and Responsibility	Dr PawarGuruduttSadashiv, Prof. & HOD Forensic Medicine
7	24.01.2023 (Tuesday)	Principles of Family practice	Dr Raghavendra, Consultant Family Physican
8	25.01.2023 (Wednesday)	Basic Life Support & First Aid	Dr Irshad Asst. Prof., Emergency Medicine
	26.01.2023 (Thursday)	Republic Day HOLIDAY	
9	27.01.2023 (Friday)	Vaccines for Health professionals &Steps of Handwashing, COVID Precautions, Biomedical Waste Management	Dr C Nagaraj, Emeritus Professor, Microbiology
10	30.01.2023 (Monday)	Alternate medicine	Dr Mouna, Asst. Professor, Community Medicine
11	31.01.2023 (Tuesday)	Medical Ethics& Professionalism	Dr Suresh Krishnamurthy, Medical Director, PESIMSR
12	01.02.2023 (Wednesday)	Importance of Documentation	Dr Nagendra Professor, Paediatrics
13	02.02.2023 (Thursday)	Gender Sensitivity, Anti-sexual harassment committee	Dr VSSR Ryali, Vice Principal and Prof & HOD Psychiatry

Sl. No.	Date(Day)	Topic	Faculty
14	03.02.2023 (Friday)	Practicalities in the campus	Dr Piyush M and Dr Aparna Interns – 31 st Batch
15	04.02.2023 (Monday)	Career Opportunities in Medical Field	Dr Ooviya J, Senior Resident, Community Medicine
16	05.02.2023 (Tuesday)	Breaking Bad News, Communication Skills in Medical Profession	Dr VSSR Ryali, Vice Principal and Prof & HOD, Psychiatry
17	06.02.2023 (Wednesday)	Exposure to Research and Informed Consent	Dr Praveen Kumar B A, Professor of Community Medicine
18	07.02.2023 (Thursday)	Reducing risk of distractions from Internet, Gaming, and Substance Addiction	Dr Sreelatha P, Prof., Psychiatry
19	08.02.2023 (Friday)	Life Skills - 1	Dr Sreelatha P, Prof., Psychiatry
20	09.02.2023 (Monday)	Life Skills – 2	Dr Sreelatha P, Prof., Psychiatry
21	10.02.2023 (Tuesday)	Yoga and Health and Activity	Dr Lakshmikanth, Professor, Anatomy
22	11.02.2023 (Wednesday)	Exam Preparation	Dr Nagesh Raju Prof & HOD, of Pharmacology


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**PES INSTITUTE OF MEDICAL SCIENCES AND RESEARCH
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MEDICAL EDUCATION UNIT

Ref: PESIMSR/MEU/07/2022

Dt:14 April 2022

Foundation Course for Fresh Entrants to First MBBS

For the academic year 2021 - 2022 (XX BATCH)

Dates: from 18.04.2022 to 20.05.2022

Date: 18.04.2022 (Monday)

Venue: College Auditorium

9.30 am to 10 am	Saraswathi Pooja (Venue: College Entrance)
10.am to 12 noon	Inauguration (Venue: college Auditorium)
12 noon to 1.00 pm	Parents & Students Meet With the Dean & Principal(Venue: college Auditorium)

1 - 2 pm Lunch

Time	PROGRAM / TOPIC	FACULTY
2.30 - 3.30 pm	Anti Ragging Measures	Dr Sadashiv Gurudutt Pawar Prof & HOD Forensic Medicine & Chief Warden
03:00 to 03: 30pm	Goals & objectives of M.B.B.S. Course	Dr. Ramaiah Prof, Dept. of Anatomy

Date: 19.04.2022 (Tuesday) Venue: Lecture Hall-4 (College Ground floor)

Time	PROGRAM / TOPIC	FACULTY
09:00 to 09:30 am	PHYSIOLOGY: How to study, Preparation for practical / Group distribution	Dr. S Lincoln Deva Kumar Prof & HOD, Dept. of Physiology.
09:30 to 10:00 am	ANATOMY : How to study, Preparation for Practical/ Group distribution	Dr. Ramaiah Prof., Dept. of Anatomy.
10:00 to 10:30 am	BIOCHEMISTRY: How to study, Preparation for Practical/ Group distribution	Dr. Vinod Wali Prof & HOD, Dept. of Biochemistry.
10:30 to 11:00 am	Tea Break	
11:00 am to 11:30 am	Use of Library & References	Mr Suresh Babu Librarian
11:30 am to 12:00 noon	Importance of Language	Dr YJ Visweshwara Reddy Emeritus Professor Medicine
12.0 -1.00 pm	Effective Learning	Dr Praveen Kumar B A Prof Community Medicine
1.00 - 2.00 pm	Lunch	
2.00 -2:30 pm	Expected behavior of a Doctor	Dr L Krishna Emeritus Professor OBG
2.30 - 3:00 pm	Roles and Responsibilities of Students	Dr Shashi Bhushan Assoc Prof Anatomy & SWO
3.00pm onwards	Students Visit to PESIMSR Hospital	Dr, Narayan M Prof & HOD Ophthalmology Dr Sridhar Annaji Asst Medical Superintendent Dr Mohana Rupa Prof of Pharmacology & AMS

**1st year MBBS students (Batch 2021-22) Foundation course - Medical Education Unit, PESIMSR [Time: 04:00 PM - 05:00 PM] Venue
Lecture Hall 4, College Building**

Sl. No.	Date(Day)	Topic	Faculty
1	20.04.2022 (Wednesday)	Introduction to CBME, Learning Strategies	Dr.Ramaswamy A S, Professor & HOD, Pathology
2	21.04.2022 (Thursday)	National Health Priorities, Health care systems in India,	Dr.ChitraNagaraj, Prof & HOD, SPM
3	22.04.2022 (Friday)	What it is to be a doctor and Physician's Role in the society	Dr P J Harsha, AMS & Professor, Paediatrics
4	25.04.2022 (Monday)	Medical Negligence, Violence against doctors, Consequences of unethical and unprofessional behavior and Professional Confidentiality and Responsibility	Dr.PawarGuruduttSadashiv, Prof. & HOD Forensic Medicine
5	26.04.2022 (Tuesday)	Time Management	Dr.Nagesh Raju Prof of Pharmacology
6	27.04.2022 (Wednesday)	Stress Management	Dr.Nagesh Raju Prof of Pharmacology
7	28.04.2022 (Thursday)	Principles of Family practice	Dr.Raghavendra, Consultant Family Physican
8	29.04.2022 (Friday)	Basic Life Support & First Aid	Dr Prakash Babu, Asst. Prof., Emergency Medicine
9	02.05.2022 (Monday)	Vaccines for Health professionals &Steps of Handwashing, COVID Precautions, Biomedical Waste Management	Dr C Nagaraj, Emeritus Professor, Microbiology
	03.05.2022 (Tuesday)	RAMZAN HOLIDAY	
10	04.05.2022 (Wednesday)	Medical Ethics & Professionalism	Dr Suresh Krishnamurthy, Medical Director, PESIMSR
11	05.05.2022 (Thursday)	Alternate medicine	Dr Mouna, Asst. Professor, Community Medicine
12	06.05.2022 (Friday)	Importance of Documentation	Dr P J Harsha, AMS & Professor, Paediatrics
13	09.05.2022 (Monday)	Gender Sensitivity, Anti-sexual harassment committee	Dr VSSR Ryali, Vice Principal and Prof & HOD Psychiatry

Sl. No.	Date(Day)	Topic	Faculty
14	10.05.2022 (Tuesday)	Practicalities in the campus	Dr Piyush M and Dr Aparna Interns – 31 st Batch
15	11.05.22 (Wednesday)	Career Opportunities in Medical Field	Dr Priyadarisini N J, Assoc. Professor, Community Medicine
16	12.05.22 (Thursday)	Breaking Bad News, Communication Skills in Medical Profession	Dr VSSR Ryali, Vice Principal and Prof & HOD, Psychiatry
17	13.05.22 (Friday)	Exposure to Research and Informed Consent	Dr Praveen Kumar B A, Professor of Community Medicine
18	16.05.2022 (Monday)	Reducing risk of distractions from Internet, Gaming, and Substance Addiction	Dr Sreelatha P, Prof., Psychiatry
19	17.05.2022 (Tuesday)	Life Skills - 1	Dr Sreelatha P, Prof., Psychiatry Dr Priyadarisini N J, Assoc. Professor, Community Medicine
20	18.05.22 (Wednesday)	Life Skills – 2	Dr Sreelatha P, Prof., Psychiatry Dr Priyadarisini N J, Assoc. Professor, Community Medicine
21	19.05.22 (Thursday)	Yoga and Health and Activity	Dr Lakshmikanth, Professor, Anatomy
22	20.05.22 (Friday)	Exam Preparation	Dr Nagesh Raju Prof of Pharmacology

Chit Nagraj

Coordinator
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**PES Institute of Medical Sciences & Research
Kuppam – 517425, Chittoor District, A.P.**

Medical Education Unit (MEU)

Ref: PESIMSR/MEU/1/2021

Date:08.01.2021

Foundation course for Fresh Entrants to first year MBBS, batch of 2020 (online)

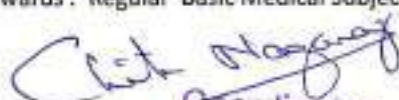
SI No	Date	Day	TOPIC 10:15 am – 11:15 am	TOPIC 11:30 am – 12 :30 pm	Topic 2.30 pm - 3.30 pm
1	11.01.2021	Monday	Welcome address and Introduction to PES Group by Dr H.R.Krishna Rao, Dean and Principal, Professor & HOD of Anatomy	IMG roles and overview MBBS curriculum. Dr H.R.Krishna Rao, Dean and Principal, Professor & HOD of Anatomy	Medical Negligence and Law and Medicine Violence against doctors Dr Pawar Gurudutt Sadashiv Professor & HOD Forensic Medicine
2	12.01.2021	Tuesday	What it is to be a doctor and Physicians Role in the society Dr P J Harsha Professor Paediatrics	Learning Strategies Dr Kavita Rasalkar Professor & HOD Biochemistry	Integration Dr L Krishna Former Medical Superintendent and Emeritus Professor OBG
3	13.01.2021	Wednesday	National Health Priorities Health care systems in India. Dr Chitra Nagaraj Professor & HOD of Community Medicine	Gender Sensitivity, Anti sexual harassment committee Dr VSSR Ryali Vice Principal and Prof & HOD Psychiatry	Importance of Documentation Dr Harsha PJ Professor Paediatrics
4	14.01.2021	Thursday	Holiday	Holiday	Holiday
5	15.01.2021	Friday	Time Management Dr Y J V Reddy Professor Emeritus Medicine	Stress Management Dr Keya Das Assistant Professor Psychiatry	Breaking Bad News Dr VSSR Ryali Professor & HOD Psychiatry
6	16.01.2021	Saturday	Principles of Family practice, Dr Raghavendra Rao Family Physician	Vaccines for Health Professionals & Hand Washing Covid Precautions Dr C Nagaraj, Emeritus Professor of Microbiology	---
7	18.01.2021	Monday	Use of Library & References Use of Online Resources Mr Suresh Babu Librarian	Communication Skills in Medical Profession Dr Sreelatha P Professor of Psychiatry	Study Skills Dr Ramaswamy A S Professor & HOD Pathology
8	19.01.2021	Tuesday	Importance of Language and Presentation skills Dr Y J V Reddy Professor Emeritus Medicine	Basic Life Support & First Aid Dr Prakash Babu Assistant Professor Emgcy Medicine	Yoga and Health and Activity Dr N Shakuntala Professor of Anatomy
9	20.01.2021	Wednesday	Medical Ethics & Professionalism Dr Suresh Krishnamurthy Medical Director PESIMSR	Exposure to Research and Informed Consent Dr Praveen Kumar B A Professor of Community Medicine	Scope of Medicine Dr Priyadarsini N J Asst Prof of Community Medicine
10	21.01.2021	Thursday	Life Skills Dr Sreelatha P Professor of Psychiatry Dr N Shakuntala Professor of Anatomy Dr Priyadarsini N J Asst Prof of Community Medicine	Computer, Internet in Medical Education, Information Technology and its importance Mr Satish Aloysius, IT Manager	Information Technology and its use Ms Parimala Rao Former Vice President of F/S Global Bangalore

11	22.01.2021	Friday	Life Skills Dr Sreelatha P Professor of Psychiatry Dr N Shakuntala Professor of Anatomy Dr Priyadarsini N J Asst Prof of Community Medicine	Universal Precautions, Biomedical Waste Management Dr C Nagaraj Emeritus Professor of Microbiology	Functioning as a part of healthcare team Dr.Sameer Wooly, Associate Professor Orthopaedics
12	23.01.2021	Saturday	Reducing risk of distractions from Internet, Gaming, and Substance Addiction Dr N Shakuntala Professor of Anatomy	Alternate Medicine Dr.Srikanth, Assistant Professor Community Medicine	-----
13	25.01.2021	Monday	Life Skills Dr Sreelatha P Professor of Psychiatry Dr N Shakuntala Professor of Anatomy Dr Priyadarsini N J Asst Prof of Community Medicine	Life Skills Dr Sreelatha P Professor of Psychiatry Dr N Shakuntala Professor of Anatomy Dr Priyadarsini N J Asst Prof of Community Medicine	Consequences of unethical and unprofessional behavior and Professional Confidentiality and Responsibility Dr Pawar Gurudutt Sadashiv Professor & HOD Forensic Medicine
14	26.01.2021	Tuesday	Holiday	Holiday	Holiday
15	27.01.2021 to 31.01.2021		Preparation time to come to campus RTPCR test . Students travel.	Allotment of hostel rooms. Screening facility	

Offline classes will commence from 1st February onwards.

Orientation on 1st and 2nd February 2021

3rd February 2021 onwards : Regular Basic Medical Subjects will be started.



Coordinator

CC-RESOURCE FACULTY
Medical Education Unit
PESIMSR, Kuppam - 517 425



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Kuppam - 517 425, Chittoor Dist. A.P.

**PES INSTITUTE OF MEDICAL SCIENCES AND RESEARCH
KUPPAM- 517425, CHITTOOR DIST, A.P**

MEDICAL EDUCATION

**PES INSTITUTE OF MEDICAL SCIENCES & RESEARCH
Kuppam – 517425, Chittoor District, A.P.**

Ref: PESIMSR/MEU/1/2021-22

Date : 07.01.2021

Medical Education Unit (MEU)

Foundation course for Fresh Entrants to first year MBBS(2020-21 batch) Online Live

Sl No	Date	Day	Time	Topic	Faculty
1	11.01.2021	Monday	10:15 AM – 11:15 AM	Welcome address and Introduction to PES Group	Dr H.R.Krishna Rao, Dean & Principal,
2			11:30 AM – 12:30 PM	IMG roles and overview MBBS curriculum.	Professor & HOD, Anatomy
3			02:30 PM – 03:30 PM	Medical Negligence and Law and Medicine Violence against doctors	Dr Pawar Gunodutt Sadashiv Prof. & HOD Forensic Medicine, Chief Warden, PESIMSR Hostels
4	12.01.2021	Tuesday	10:15 AM – 11:15 AM	What it is to be a doctor and Physicians Role in the society	Dr P J Harsha Professor, Paediatrics
5			11:30 AM – 12:30 PM	Learning Strategies	Dr Kavita Rasalkar Professor, Biochemistry
6			02:30 PM – 03:30 PM	Integration	Dr L Krishna Former Medical Superintendent
7	13.01.2021	Wednesday	10:15 AM – 11:15 AM	National Health Priorities Health care systems in India.	Dr Chitra Nagaraj Prof & HOD, SPM
8			11:30 AM – 12:30 PM	Gender Sensitivity, Anti sexual harassment committee	Dr VSSR Ryali Vice Principal and Prof & HOD Psychiatry
9			02:30 PM – 03:30 PM	Importance of Documentation	Dr P J Harsha Professor, Paediatrics
10	15.01.2021	Friday	10:15 AM – 11:15 AM	Time Management	Dr Y J V Reddy Professor Emeritus, Medicine
11			11:30 AM – 12:30 PM	Stress Management	Dr Keya Das Assistant Professor Psychiatry
12			02:30 PM – 03:30 PM	Breaking Bad News	Dr VSSR Ryali Vice Principal and Prof & HOD Psychiatry
13	16.01.2021	Saturday	10:15 AM – 11:15 AM	Principles of Family practice	Dr Raghavendra Consultant Family Physician
14			11:30 AM – 12:30 PM	Vaccines for Health Professionals & Hand Washing Covid Precautions	Dr C Nagaraj, Emeritus Professor, Microbiology
15	18.01.2021	Monday	10:15 AM – 11:15 AM	Use of Library & References Use of Online Resources	Mr Suresh Babu Librarian
16			11:30 AM – 12:30 PM	Communication Skills in Medical Profession	Dr Sreelatha P Professor of Psychiatry
17			02:30 PM – 03:30 PM	Study Skills	Dr Ramaswamy A S Professor & HOD, Pathology
18	19.01.2021	Tuesday	10:15 AM – 11:15 AM	Importance of Language and Presentation skills	Dr Y J V Reddy Professor Emeritus Medicine
19			11:30 AM – 12:30 PM	Basic Life Support & First Aid	Dr Prakash Babu Asst. Prof., Emergency Medicine
20			02:30 PM – 03:30 PM	Yoga and Health and Activity	Dr N Shakuntala Professor, Anatomy

**PES INSTITUTE OF MEDICAL SCIENCES AND RESEARCH
KUPPAM- 517425, CHITTOOR DIST, A.P**

MEDICAL EDUCATION

Sl No	Date	Day	Time	Topic	Faculty
21	20.01.2021	Wednesday	10:15 AM – 11:15 AM	Medical Ethics & Professionalism	Dr Suresh Krishnamurthy Medical Director, PESIMSR
22			11:15 AM – 12:15 PM	Exposure to Research and Informed Consent	Dr Praveen Kumar B A Professor of SPM
23			12:15 PM – 01:15 PM	Scope of Medicine	Dr Priyadarsini N J Asst Prof of SPM
24	21.01.2021	Thursday	10:15 AM – 11:15 AM	Life Skills	Dr Sreelatha P, Prof., Psychiatry Dr N Shakuntala, Prof., Anatomy Dr Priyadarsini, Asst Prof., SPM
25			11:30 AM – 12:30 PM	Computer, Internet in Medical Education, Information Technology and its importance	Mr Satish Aloysius, IT Manager
26			02:30 PM – 03:30 PM	Information Technology and its use	Ms Parimala Rao Former Vice President F/S Global Bangalore
27	22.01.2021	Friday	10:15 AM – 11:15 AM	Life Skills	Dr Sreelatha P, Prof., Psychiatry Dr N Shakuntala, Prof., Anatomy Dr Priyadarsini, Asst Prof., SPM
28			11:30 AM – 12:30 PM	Universal Precautions, Biomedical Waste Management	Dr C Nagaraj Emeritus Professor, Microbiology
29			02:30 PM – 03:30 PM	Functioning as a part of healthcare team	Dr Sameer Wooly, Assoc. Professor, Orthopaedics
30	23.01.2021	Saturday	10:15 AM – 11:15 AM	Reducing risk of distractions from Internet, Gaming, and Substance Addiction	Dr N Shakuntala Professor of Anatomy
31			11:30 AM – 12:30 PM	Alternate Medicine	Dr Srikanth, Assistant Professor, SPM
32	25.01.2021	Monday	10:15 AM – 11:15 AM	Life Skills	Dr Sreelatha P, Prof., Psychiatry Dr N Shakuntala, Prof., Anatomy Dr Priyadarsini, Asst Prof., SPM
33			11:30 AM – 12:30 PM	Life Skills	Dr Sreelatha P, Prof., Psychiatry Dr N Shakuntala, Prof., Anatomy Dr Priyadarsini, Asst Prof., SPM
34			02:30 PM – 03:30 PM	Consequences of unethical and unprofessional behavior and Professional Confidentiality and Responsibility	Dr Pawar Gurudutt Sadashiv Prof. & HOD Forensic Medicine, Chief Warden, PESIMSR Hostels
36	26.01.2021 to 31.01.2021			Preparation time to come to campus RTPCR testing / Students travel/ Screening facility/ Allotment of hostel rooms	

Note:- Offline classes will commence from 1st February onwards.
Orientation on 1st and 2nd February 2021
3rd February 2021 onwards: Regular Basic Medical Subjects will be started.
Hostel allotment - one day before the Classes Commencement

Co-Ordinator (MEU)

Cc to:
MD/AMD
Medical Superintendent/Vice Principal
HcDs (Anatomy/Physiology/Biochemistry)
Resource faculty
All Year MBBS (2020 Batch) students
All Notice Boards / O/c


DEAN & PRINCIPAL
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PES Institute of Medical Sciences & Research
Kuppam-517425 Chittoor Dist, A.P.

P.L.S. INSTITUTE OF MEDICAL SCIENCES & RESEARCH

CH-1668 - 517 025, BASTIYANPETA, ANDHRA PRADESH


Reg. No. PLSMADR/ESTAB/170/2021-22

Date: 27.01.2022

INAUGURATION & FOUNDATION COURSE FOR FRESH ENTRANTS TO FIRST YEAR MBBS (2020-21 BATCH) OFFLINE - VENUE - LECTURE HALL (HALL), GROUND FLOOR, COLLEGE BLOCK

Date	Time	Topic	Faculty
20-01-2022	07:00 AM to 07:30 PM	Inauguration Programme Address by Dean & Principal Address by Vice Principal Address by Chief Minister & Address by Student Welfare Officer	Dr. N. A. Krishna Rao Dean & Principal Prof. HOD, Dept. of Anatomy Dr. HOD, P.S. Subba Rao Prof. & HOD of Biochemistry Dr. SMT & Vice Principal Dr. Gurudatta Sankar Prasad HOD of the School, Chief Minister Dr. Smt. N. V. Asst. Prof. of Physiology Student Welfare Officer
	12:30 PM to 02:30 PM	Lunch Break	
	02:30 PM to 04:30 PM	Roll No. 01 to 75 (Students visit PLSMADR Hospital) Roll No. 76 to 150 1. Collecting - ID Card, Records, Agents & Books 2. Biometric Registration	Dr. Samant Wode Asst. MS & Asst. Prof. of Ortho. Dr. Sridhara Asst. MS & HOD, Dentistry
01-02-2022	08:30 AM to 10:30 AM	Anatomy - Reference, How to Study / Preparation for Practical / Group Discussion	Dr. Shaktinala Rao Professor of Anatomy
	10:30 AM to 11:30 AM	Physiology - Reference, How to Study / Preparation for Practical / Group Discussion	Dr. Vikram Das Kumar Prof. & HOD, Dept. of Physiology
	11:30 AM to 12:30 PM	Biochemistry - Reference, How to Study / Preparation for Practical / Group Discussion	Dr. Gupta / Asst. Prof. Professor of Biochemistry
	12:30 PM to 01:00 PM	Introduction to Microsoft Teams & It's uses	Mr. N. S. Bala
	01:00 to 02:30 pm	Lunch Break	
	02:30 PM to 04:30 PM	Roll No. 75 to 150 (Students visit PLSMADR Hospital) Roll No. 01 to 75 1. Collecting - ID Card, Records, Agents & Books 2. Biometric Registration	Dr. Samant Wode Asst. MS & Asst. Prof. of Ortho. Dr. Sridhara Asst. MS & HOD, Dentistry
05-02-2022	07:30 AM to 08:00 PM	Students Introduction in Assembly	All the Clinical Dept. Faculty
	08:30 PM to 09:30 PM	Department Meeting	
		Batch A - Roll No. 01 to 50	Department of Physiology
Batch B - Roll No. 51 to 100		Department of Biochemistry	
	Batch C - Roll No. 101 to 150	Department of Anatomy	

CC to
 Mr. Aard
 Medical Superintendent / Vice Principal
 HODs of Central departments
 Student Welfare Officer
 Above Concerns
 etc.

DEAN & PRINCIPAL

 PLS Institute of Medical Sciences & Research
 Bastiyanpeta, Chittoor District, Andhra Pradesh

**PES INSTITUTE OF MEDICAL SCIENCES AND RESEARCH
KUPPAM- 517425, CHITTOOR DIST, A.P**

MEDICAL EDUCATION

Ref: PESIMSR/MEU/8/2019

Date: 13.08.2019

Foundation course for Fresh Entrants to first year MBBS

For the academic year 2019 – 2020 (XVIII batch)

Date 17 August 2019 (Saturday)

11.00 am – 1.00 pm	Inauguration Programme Venue Auditorium
1.00 pm – 2.00 pm	Lunch Break
2.00 pm – 4.00 pm	Parents and Students meet with Dean and Principal and Chief Warden Venue Auditorium

Date 18 August 2019 (Monday)
Building

Venue A/C lecture Hall IV Ground Floor, College

Time	Program / Topic	Faculty
9.00 – 9.45 am	Introduction – MBBS Course Goals and Objectives	Dr Shakuntala Rao Prof of Anatomy
9.45 – 10.30 am	Biochemistry - Relevance, How to Study/ Preparation for practical / Group discussion	Dr Kavitha P Rasalkar Associate Professor Biochemistry
10.30 – 10.45 am	Break	
10.45 – 11.30 am	Anatomy - Relevance, How to Study/ Preparation for practical / Group discussion	Dr Sujatha K Associate Professor Anatomy
11.30 am – 12.15 pm	Physiology – Relevance, How to Study/ Preparation for practical / Group discussion	Dr Lincoln Dev Kumar Prof & HOD Physiology
12.15 – 1.00 pm	What it is to be a doctor and Physicians Role	Dr P J Harsha

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MEDICAL EDUCATION

	in the society	Associate Professor Paediatrics
1.00 - 2.00 pm	Lunch	
2.00 - 2.45 pm	Learning Strategies	Dr Kavitha P Rasalkar Associate Professor Biochemistry
2.45 - 3.30 pm	History of Medicine	Dr Venugopala Rao T Medical Superintendent
3.30 - 5.00 pm	Students Visit PESIMSR - Hospital Departments	Dr Narayan M Associate Medical Superintendent
5.00 - 5.15 pm	Feedback	

Sl No	Date	Day	Topic	Faculty
1	20.08.2019	Tuesday	Roles and Responsibility of Students	Dr Vinay A V Associate Professor Physiology
2	21.08.2019	Wednesday	Motivation, Mentoring, Personality Growth, Anti Ragging Measures	Dr Sujatha K Associate Professor Anatomy
3	22.08.2019	Thursday	National Health Priorities Practicalities in Campus	Dr Chitra Nagaraj Professor of Community Medicine Seniors
4	23.08.2019	Friday	Yoga and Health and Activity	Dr Shakuntala Professor of Anatomy
5	24.08.2019	Saturday	Sports 2.00 pm Cricket; Other sports 5.00 pm	Mr Murugesh -Sports officer
6	26.08.2019	Monday	Time Management and Activity	Dr Y J V Reddy Professor Emeritus Medicine
7	27.08.2019	Tuesday	Stress Management and Activity	Dr Keya Das Assistant Professor Psychiatry
8	28.08.2019	Wednesday	Scope of Medicine	Dr Priyadarsini N J Asst Prof of Community Medicine

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9	29.08.2019	Thursday	Communication Skills in Medical Profession	Dr Sreelatha P Associate Professor Psychiatry
10	30.08.2019	Friday	Importance of Language and Presentation skills	Dr Y J V Reddy Professor Emeritus Medicine
11	31.08.2019	Saturday	Sports 2.00 pm Cricket; Other sports 5.00 pm	Mr Murugesh –Sports officer
12	03.09.2019	Tuesday	Basic Life Support & First Aid	Dr Prakash Babu Assistant Professor Emgcy Medicine
13	04.09.2019	Wednesday	Medical Ethics & Professionalism	Dr Suresh Krishnamurthy Medical Director PESIMSR
14	05.09.2019	Thursday	Computer, Internet in Medical Education, Information Technology and its importance	Mr Satish Aloysius IT Manager
15	06.09.2019	Friday	Use of Library & References Use of Online Resources	Mr Suresh Babu Librarian
16	07.09.2019	Saturday	Sports 2.00 pm Cricket; Other sports 5.00 pm	Mr Murugesh –Sports officer
17	09.09.2019	Monday	Vaccines for Health professionals & Hand Washing	Dr C Nagaraj Professor of Microbiology
18	10.09.2019	Tuesday	Alternate Medicine	Dr Manjula M Asst Prof of Community Medicine
19	11.09.2019	Wednesday	Universal Precautions, Biomedical Waste Management	Dr Rajesh T Patil Professor & HOD Microbiology
20	12.09.2019	Thursday	Consequences of unethical and unprofesional behavior and Professional Confidentiality and Responsibility	Dr Kiran G T Professor of Forensic Medicine
21	13.09.2019	Friday	Functioning as a part of healthcare team	Dr Venugopal Rao Medical Superintendent
22	14.09.2019	Saturday	Sports 2.00 pm Cricket; Other sports 5.00 pm	Mr Murugesh –Sports officer
23	16.09.2019	Monday	Medical Negligence and Law and Medicine	Dr Pawar Gurudutt Sadashiv Professor & HOD Forensic Medicine
24	17.09.2019	Tuesday	Exposure to Research and Informed Consent	Dr Praveen Kumar B A

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MEDICAL EDUCATION

				Professor of Community Medicine
25	18.09.2019	Wednesday	Importance of Documentation	Dr Harsha PJ Associate Professor Paediatrics
26	19.09.2019	Thursday	Breaking Bad News	Dr VSSR Ryali Professor & HOD Psychiatry
27	20.09.2019	Friday	Study Skills and Activity	Dr Ramaswamy A S Professor & HOD Pathology
28	21.09.2019	Saturday	Sports 2.00 pm Cricket; Other sports 5.00 pm	Mr Murugesh -Sports officer
29	23.09.2019	Monday	Life Skills	Dr Sreelatha P Associate Professor Psychiatry
30	24.09.2019	Tuesday	Life Skills	Dr Pradeep M & Dr Priyadarsini N J Asst Professor Community Medicine
31	25.09.2019	Wednesday	Life Skills	
32	26.09.2019	Thursday	Life Skills	
33	27.09.2019	Friday	Life Skills	
34	28.09.2019	Saturday	Sports 2.00 pm Cricket; Other sports 5.00 pm	Mr Murugesh -Sports officer

Coordinator
Medical Education Unit
PESIMSR, Kuppam - 517 425

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PES Institute of Medical Sciences & Research
Kuppam - 517 425 Chittoor Dist. A.P.