

GENERAL MEDICINE

ELECTIVE 1

NAME OF BLOCK	BLOCK -2
NAME OF ELECTIVE	CARDIOLOGY
LOCATION OF HOSPITAL LAB/ RESEARCH FACILITY	ESIC MCH,FARIDABAD
NAME OF INTERNAL PERCEPTOR	Dr KUNAL SHEKHAR
LEARNING OBJECTIVES OF ELECTIVE	TO SEE COMMON CASES IN OPD & IPD TO LEARN BASIC MANAGEMENT OF CARDIAC DISEASES TO LEARN ABOUT VARIOUS MODALITIES USED IN CARDIOLOGY TO LEARN TO PERFORM & INTERPRET ECG TO LEARN ABOUT COMMON CARDIAC EMERGENCIES
NUMBER OF STUDENTS THAT CAN BE ACCOMODATED	5
PRE REQUISITE	MBBS PHASE 3 STUDENTS
LIST OF ACTIVITIES FOR STUDENT PARTICIPATION	CASE PRESENTATION OPD & IPD ECG ROOM -PERFORM 2D ECHO -ASSIST TMT
LEARNING RESOURCES	HARRISON (CHAPTER ON

	CARDIOLOGY) ECG BASICS MADE EASY-JOHN HAMPTON WASHINGTON MANUAL OF CARDIOLOGY BRAUNWALD -HEART DISEASES
PORTFOLIO ENTRIES REQUIREMENT	DOCUMENT CASES SEEN DOCUMENT PROCEDURES ASSISTED DOCUMENT PROCEDURES DONE INDEPENDENTLY
LOG BOOK ENTRY REQUIREMENT	SATISFACTORY COMPLETION OF POSTING
ASSESSMENT	ATTENDANCE PARTICIPATION IN CLINICAL CASE DISCUSSION PARTICIPATION IN PATIENT CARE PARTICIPATION IN WARD ROUNDS & OPD
OTHER COMMENTS	

ELECTIVE 2

Name of Block	II
Name of Elective	CRITICAL CARE MEDICINE
Location of hospital lab or research Facility	Intensive care Unit

Name of Internal Preceptor(s)	Dr Praveen Kr Malik, Dr Praneet Ansal Mundu, Dr Sakshi Singh
Name of External Preceptors (if any)	Faculty from Department of Anaesthesia
Learning objectives of the Elective	<ol style="list-style-type: none"> 1.The four week elective in CCM will give the students a clinical experience in providing quality care to critically ill patients. 2. Learning of procedural skills and clinical acumen required for a critical care physician 3.Learning the skills of communicating the prognosis of critically ill patient 3.Learn about various avenues of critical care medicine and its merits as a future career option
Number of students that can be accommodated	4-6
Prerequisite of Elective	<ol style="list-style-type: none"> 1.MBBS student should posses a working knowledge regarding various diseases and conditions requiring critical care. 2.Dedication and willingness to work and learn from various ICU Physicians and residents. 3. Students should be sound in basic sciences anatomy, physiology pathology, pharmacology which is necessary for a firm clinical foundation
Learning Resources of students	<ol style="list-style-type: none"> 1.Books in critical care medicine 2. Online reading material and lecture videos 3.demonstration of procedural skills in Mannequin

List of activities in which student will participate	<p>1 Daily rounds with the Senior ICU Physician and critical care team</p> <p>2 Filling the ICU charts and vital monitoring of the patients</p> <p>3.Small group discussion on topics relevant in ICU setting like invasive and non invasive ventilation, ABG interpretation etc</p> <p>4 Counselling of the attendants</p> <p>5 learning the procedures like sample collection ABG Analysis, ryles tube placement, Foleys catheterization etc</p>
Portfolio entries required	Weekly assessments, ABG interpretation, Interpretation of Laboratory findings, Formulation of treatment plan.
Log book entries required	Records of daily activities and procedures learnt
Assessment	Power point presentations by students, Viva Voce and written assignments
Other comments.	-

Elective 3

Name of Block	II
Name of Elective	EPILEPSY CLINIC AND EEG
Location of hospital lab or research Facility	Medicine OPD , EEG Lab
Name of Internal Preceptor(s)	Dr Umesh Kansra, Dr Nidhi Anand , Dr Praneet
Name of External Preceptors (if any)	Neurologist/Psychiatrist

Learning objectives of the Elective	<ol style="list-style-type: none"> 1. Approach to patient of seizure disorders and identification of various types of seizures. 2 Diagnostic modalities for seizures, including EEG (procedure and interpretation) and pharmacotherapy. 3 Learning about the psychosocial impact seizure disorder patient face. 4. Learning newer / surgical modalities in treatment of seizures
Number of students that can be accommodated	4-6
Pre requisites of Elective	<ol style="list-style-type: none"> 1 Student should have a sound knowledge of Neuroanatomy and Neurophysiology. 2 He/She should have good communication skill to extract a proper history from patients and his attendants. 3 Should have an attentive mind to notice subtle neurological findings
Learning Resources of students	<ol style="list-style-type: none"> 1 Books on Neuroanatomy and Neurology/ Internal Medicine 2 Audio visual material 3 Online journals and case reports
List of activities in which student will participate	<ol style="list-style-type: none"> 1. Daily OPD with internal medicine consultants and Consultant Neurologist. 2. Skillful history taking of neurology patients 3 Making proper educational neurology videos 4.Learning procedure of EEG recording and interpretation 5 Counselling of patient of seizure disorder and explaining them about the life style alteration.
Portfolio entries required	<ol style="list-style-type: none"> 1 Daily case records, collection of EEG Records, 2. Planning treatment depending on the presentation .
Log book entries required	1 Daily logbook entries of cases seen in the opd and wards

Assessment	Small group discussions, seminars, viva voce, written assignments.
Other comments.	

ELECTIVE 4

Name of Block	II
Name of Elective	DIABETOLOGY
Location of hospital lab or research Facility	Medicine OPD and Medicine wards.
Name of Internal Preceptor(s)	Dr Nikhil Verma, Dr Rachna Dahiya, Dr Babeena Singh
Name of External Preceptors (if any)	Endocrinologist
Learning objectives of the Elective	<p>1 Learning about the incidence and prevalence of Diabetes in Indian population</p> <p>2 Diagnosis of T1 DM and T2 DM and assessment of complications of diabetes</p> <p>3 Counselling patient regarding lifestyle and dietary modification for better sugar control</p> <p>4 Learning judicious use of Oral Antidiabetic agents</p> <p>5 Learning About types of insulin, their optimal usage , delivery technique and home based blood sugar monitoring</p>
Number of students that can be accommodated	4-6

Prerequisites of Elective	1 Through knowledge about pathophysiology of diabetes and molecular basis of its complications 2 Thorough knowledge about Pharmacodynamics and pharmacokinetics of OAD's and Insulin
Learning Resources of students	1 Text books of Internal Medicine 2. Educational videos online 3 Diabetology Journals
List of activities in which student will participate	1 Examining diabetic patients at the clinic and wards 2 interpretation of blood glucose charts 3 Formulation of a proper diet and exercise regimen for an individual 4 Formulation of a proper treatment plan 5 Monitoring of Microvascular and Macrovascular complications of diabetes
Portfolio entries required	Interpretation of Blood sugar charts and formulation of treatment plan, Records of Case history and response to treatment, Data collection for research work
Log book entries required	Daily case records, Case records of Management of Diabetic Emergencies, Case records of Microvascular complications of Type 2 DM and Diabetic foot.
Assessment	Written assignments, Patient counselling sessions, Viva
Other comments.	

ELECTIVE 5

Name of Block	II
Name of Elective	GERIATRIC MEDICINE AND GERONTOLOGY

Location of hospital lab or research Facility	Medicine OPD and Medicine wards
Name of Internal Preceptor(s)	Dr. Harsh Nandini, Dr Raman Parashar, Dr Rupali Mukhija,
Name of External Preceptors (if any)	Faculty of Geriatric Medicine from reputed medical Colleges
Learning objectives of the Elective	1 Learning the common diseases in the elderly and specific consideration (pharmacological, mental, psychosocial) in their management 2 Learning psychological assessment of elderly population 3. Adult immunization
Number of students that can be accommodated	2
Prerequisites of Elective	1 Through knowledge in principles of pharmacokinetics in elderly 2 Working knowledge of common diseases in elderly 3 Thorough knowledge in neuroanatomy and pathophysiology of diseases such as Parkinson's disease, Alzheimer's Disease Stroke
Learning Resources of students	Harrison's internal medicine Educational videos on movement disorders Observation of physicians examining the elderly
List of activities in which student will participate	1. history taking and clinical examination of elderly patients attending Medicine OPD. 2 Counselling of the elderly and their caregiver, Mental health in elderly 3 Assessment of physical and neurological disabilities
Portfolio entries required	Records of Interactive session with elderly, case records, videos of movement disorders with explanation, poster presentation.

Log book entries required	1 Daily case records and formulation of treatment plans
Assessment	PPT presentation, small group discussions, Written assignments, viva voce,
Other comments.	

ELECTIVE 6

Name of Block	II
Name of Elective	Infectious Disease and Vector borne diseases
Location of hospital lab or research Facility	Medicine OPD and ward, ART Centre, Sector 8 ESI ART Centre
Name of Internal Preceptor(s)	Dr Nidhi Anand, Dr Deepali Kaushik, Dr Sakshi Singh
Name of External Preceptors (if any)	Microbiologist
Learning objectives of the Elective	<p>1 Learning the epidemiology and geographical connotations with respect to infectious and vector borne diseases</p> <p>2 Knowledge about National Programmes regarding these diseases</p> <p>3 Knowledge about Diagnostic Microbiology laboratory tests</p> <p>4. Experience first hand possibility of pursuing Infectious disease subspeciality as a career option</p>

	5 Learning about research studies in infectious diseases
Number of students that can be accommodated	4-6
Pre requisite of Elective	1 Sound knowledge of Microbiology with respect to various pathogens 2 Clear concepts in Immunology and pathophysiology of diseases
Learning Resources of students	1 Text books in Internal Medicines 2 Online data in National and international portals (WHO Guidelines, CDC Guidelines, MOHFW Guidelines, ICMR Guidelines)
List of activities in which student will participate	1 Attending daily OPD with the consultant physicians and residents 2 Attending rounds with the infectious disease management team in wards 3 Laboratory Medicine and Posting in microbiology 4 Participating in research work related to infectious and vector borne diseases
Portfolio entries required	Case presentations, Data collection and interpretation, Laboratory procedures
Log book entries required	Daily case records and Data analysis.
Assessment	Written assessment , viva voce, Poster presentation
Other comments.	

ELECTIVE 7

Name of Block	II
Name of Elective	CHRONIC KIDNEY DISEASE AND RENAL REPLACEMENT THERAPY
Location of hospital lab or research Facility	Medicine OPD and wards, Dialysis centre
Name of Internal Preceptor(s)	Dr Praveen Kr Malik, Dr Raman Parashar, Dr Sakshi Singh
Name of External Preceptors (if any)	Nephrologist
Learning objectives of the Elective	<ol style="list-style-type: none"> 1 Learning about the prevalence and common risk factors of CKD 2 Identification of CKD and its pharmacological management 3 Pharmacological and Dietary consideration in a CKD patient 4 Modalities of Renal Replacement therapies 5 Identifying Nephrology as a future career option its implications and professional demands
Number of students that can be accommodated	4-6
Pre requisites of Elective	<ol style="list-style-type: none"> 1 Clear concepts in Renal anatomy and clinical physiology and tubular functions 2 Clear concepts in Pharmacological considerations in a patient with renal impairment. 3. Dedication and ability to pursue a difficult topic.
Learning Resources of students	<ol style="list-style-type: none"> 1 Texts in internal medicine, Nephrology journals, Live demonstration in Dialysis centres, Educational videos regarding Dialysis line insertion and renal biopsy

List of activities in which student will participate	1 Attending daily clinics and ward rounds 2 preparing seminars and Power point presentations in common nephrology topics 3. Posting at Dialysis centre and ICU. 4.Learning procedure OF Dialysis line insertion
Portfolio entries required	Dialysis case records, ABG interpretation, Dietary advice for CKD Patients, Treatment formulations
Log book entries required	Case records and Case vignettes, dialysis records
Assessment	Written assignments, ABG collections,
Other comments.	-

ELECTIVE 8

Name of Block	II
Name of Elective	CLINICAL HEMATOLOGY
Location of hospital lab or research Facility	Medicine OPD and Wards, Ward Labs, Blood Bank, Pathology Labs
Name of Internal Preceptor(s)	Dr Nikhil Verma, Dr Rupali Mukhija, Dr Rachna Dahiya
Name of External Preceptors (if any)	Faculty of transfusion medicine
Learning objectives of the Elective	1 Learning about the prevalence of Anemia with respect to geographical distribution and social implications.

	<p>2 approach to a patient of anemia and its diagnostic tools</p> <p>3 Nutritional assessment in a patient of anemia</p> <p>4. Blood transfusions and transfusion medicine</p> <p>5. Insight into Hematology as a future career option.</p>
Number of students that can be accomodated	4-6
Prerequisite of Elective	<p>Through knowledge of various pathophysiology of anemia.</p> <p>Nutritional evaluation .</p>
Learning Resources of students	<p>1 Texts in internal Medicine and Clinical Hematology</p> <p>2 Online journals and Digital Library</p>
List of activities in which student will participate	<p>1 Attending OPDs and Ward rounds and history taking and examination of patients with Anemia</p> <p>2 Laboratory skills (Making a peripheral blood Film and staining, interpretation)</p> <p>3 Bone Marrow aspiration and Biopsy and preparing slides</p> <p>4 Learning to transfuse blood , knowledge about transfusion reactions</p> <p>5 Dietary counselling of patients</p>
Portfolio entries required	<p>Daily case records, Interpretation of PBS and bone marrow,</p> <p>Posting at blood bank and pathology labs</p>
Log book entries required	daily case records, records of procedures learned and performed
Assessment	Poster presentations, PPT presentations, Written assignments.
Other comments.	

ELECTIVE 9

Name of Block	II
Name of Elective	NEUROMUSCULAR DISORDERS AND NEURO ELECTROPHYSIOLOGY
Location of hospital lab or research Facility	Medicine OPD and Wards, Neuro electrophysiology labs
Name of Internal Preceptor(s)	Dr Deepali Kaushik, Dr Praneet, Dr Rupali
Name of External Preceptors (if any)	Neurologist and Physiologist
Learning objectives of the Elective	1 Learning about prevalence of neuromuscular disorders and its symptomatology 2 Assessment of Diabetic Neuropathy 3 Learning about various Neuro electrophysiological tests (Nerve conduction Velocity studies and EMG)
Number of students that can be accommodated	4-6
Prerequisite of Elective	1 Working knowledge of neurophysiology and neuroanatomy 2 Good in communication skills to elicit a proper history 3 An attentive mind to identify subtle neurological signs
Learning Resources of students	1 Text books of internal medicine and neurology 2 Neurophysiology journals 3 Posting at neurophysiology labs

List of activities in which student will participate	1 History documentation and neurological examination of patients 2 Seminars on important topics 3 PPT presentation on important topics 4 Posting at Neurophysiology labs in deptt of physiology
Portfolio entries required	NCV interpretations, history presentation and neurological examinations
Log book entries required	Daily case records and Records of procedures learnt at neurophysiology lab.
Assessment	Written assignments, case studies, viva
Other comments.	

ELECTIVE 10

Name of Block	Block 2
Name of Elective	Clinical Hepatology

Location of hospital lab or research Facility	Medicine Ward, Endoscopy Lab
Name of Internal Preceptor(s)	Dr. Praveen Malik, Dr. Raman Parashar, Dr. Babeena
Name of External Preceptors (if any)	Gastroenterologist
Learning objectives of the Elective	<ol style="list-style-type: none"> 1. To provide medical students with a well rounded learning experience in gastroenterology and hepatology that is integral to the specialty of internal medicine. 2. Gearing medical students towards general gastroenterology and hepatology and endoscopy.
Number of students that can be accommodated	4
Prerequisites of Elective	<ol style="list-style-type: none"> 1 Working knowledge of anatomy and physiology of GI System 2 Good in communication skills to elicit a proper history 3 An attentive mind to identify subtle GI signs
Learning Resources of students	<ol style="list-style-type: none"> 1 Text books of internal medicine and Hepatology 2 Subject journals 3 Posting at endoscopy labs and Medicine Wards
List of activities in which student will participate	<ol style="list-style-type: none"> 1 History documentation and general and systemic examination of patients 2 Seminars on important topics 3 PPT presentation on important topics 4 Posting at endoscopy labs
Portfolio entries required	Interpretations of Blood reports and liver function tests, history presentation and general and systemic examinations
Log book entries required	Daily case records and Records of procedures learnt at neurophysiology lab.

Assessment	Written assignments, case studies, viva
Other comments.	

ELECTIVE 11

Name of Block	Block 2
Name of Elective	Non Invasive Cardiac Assessment
Location of hospital lab or research Facility	Medicine OPD, Ward, Non Invasive Cardiac Lab
Name of Internal Preceptor(s)	Dr. Praveen Malik, Dr. Deepali Kaushik, Dr. Rachna Dahiya
Name of External Preceptors (if any)	Cardiologist
Learning objectives of the Elective	Exposure to a wide spectrum of Cardiovascular disease including acute coronary syndromes, Valvular Heart Diseases, Cardiomyopathy and common Dysarrhythmias.

Number of students that can be accomodated	4-6
Prerequisite of Elective	Final year student with good standing
Learning Resources of students	1 Text books of internal medicine and Cardiology 2 Subject journals 3 Posting at Non invasive labs and Medicine Wards
List of activities in which student will participate	1 History documentation and general and systemic examination of patients 2 Seminars on important topics 3 PPT presentation on important topics 4 Posting at Non invasive cardiac labs learning procedurs like ECG interpretation, Observing and assisting in 2D echo, TMT, Holter
Portfolio entries required	Interpretations of Blood reports and ECG, history presentation and general and systemic examinations
Log book entries required	Daily case records and Records of procedures learnt at non invasive lab.
Assessment	Written assignments, case studies, viva
Other comments.	

SURGERY

ELECTIVE 1

Name of Block	2
Name of elective	Urology & Kidney Transplant
Location of Hospital	ESIC Medical College Faridabad
Name of Internal Perceptor	Dr Nishant Gurnani
Name of External Perceptor	Dr Pankaj Gaur
Learning objectives	<ol style="list-style-type: none">1. Basic history and examination of urology patient2. Performing urological Day Care procedures3. Observing major and minor urological procedures4. Management of urological emergencies
Number of students that can be accommodated	6 (six)
Duration of elective	1-3 months
Prerequisites for elective	Students must have completed and pre final year of MBBS
Learning resources for students	College library Simulator for major urological procedures
List of activities in which students will participate	<ol style="list-style-type: none">1. Pre and post operative management of urological patients2. Emergency urological procedures including SPC insertion, guidewire catheterisation, management of hematuria, torsion testis3. Hands on teaching of minor and major urological procedures

Portfolio entries required	Yes
Log book required	Yes
Assessment	Yes
Other comments	NA

ELECTIVE 2

Name of Block	Block 2
Name of Elective	Plastic Surgery
Location of Hospital Lab or research facility	ESIC Medical College & Hospital, Faridabad
Name of Internal preceptor (s)	Dr. RP Narayan , Dr. Bhupendra Singh
Name of external preceptor (if any)	
Learning objective of the elective	<ol style="list-style-type: none">1. To provide care for patients of plastic surgery & burns2. To manage wounds in patients trauma & diabetics.3. Suturing aspects of plastic surgery
Number of student that can be Accommodated in the elective	6
Prerequisites for the elective	MBBS Students
Learning resources for students	Grabbs & Smith Plastic surgery book
List of activities in which the student will Participate	<ol style="list-style-type: none">1. OPD & IPD round2. Teaching Sessions3. Case presentations4. Dressing of patients

Portfolio entries required	Documents of cases present
Log Book entries required	Satisfactory competition of posting with meets Expectation (M) grade
Assessment	Attendance <ul style="list-style-type: none">- Participation OPD & IP round- Participation in teaching classes.
Other Comments	

PAEDIATRICS

ELECTIVE 1

Name of Block	2
Name of Elective	PEDIATRIC Cardiology
Location of hospital Lab or research Facility	Pediatric cardiology clinic, ESIC Medical College and Hospital, NIT-3, Faridabad, Haryana
Name of internal preceptor(s)	Dr R N MANDAL, Dr Karanvir
Name of external preceptor if applicable	Nil
Learning objectives of elective	<ol style="list-style-type: none">1. At the end of posting, Able to identify Congestive Heart failure, Hypertension, Congenital heart disease2. Able to measure preductal and post ductal Spo₂3. Able to document and record consents and procedures notes in case files.
Number of students that can be accommodated in this elective	5
Prerequisites for elective	<ol style="list-style-type: none">1. Completed Clinical Posting in Pediatrics2. Satisfactory Performance in Ward-Leaving test

List of activities of student participation	<ol style="list-style-type: none"> 1. Attend Pediatric Cardiology OPD 2. Present Pediatric Cardiology cases like Congenital heart disease and Hypertension 3. Accompany the duty doctor in examination and assessment 4. Be a part of the Team discussing the optimal management of the Patient 5. Patient Counselling and Consent Taking 6. Attending teaching sessions
Learning Resources	<ol style="list-style-type: none"> 1. FACILITY BASED integrated management of neonatal and childhood illness CARE (MANUAL; GOI) 2. Piyush gupta UG textbook of Pediatrics 3. AIIMS PICU Protocol
Portfolio entries required	<ol style="list-style-type: none"> 1. Student should present and document case summaries of at least one child every week (Total 4) 2. Student should document all the procedures observed/ assisted/ performed by him/her during the elective posting.
Log book entry required	Yes:

	Satisfactory Performance Grade for Each of the Learning Objectives as described above
Assessment	<ol style="list-style-type: none">1. Attendance (80% and above)2. Logbook
Other comments	

ELECTIVE 2

Name of Block	2
Name of Elective	Neonatology
Location of hospital Lab or research Facility	Neonatal ICU, ESIC Medical College and Hospital, NIT-3, Faridabad, Haryana
Name of internal preceptor(s)	Dr Priyanka Gupta, Dr Prince Pareek
Name of external preceptor if applicable	Nil
Learning objectives of elective	<ol style="list-style-type: none">4. At the end of posting, student is able to successfully perform neonatal resuscitation in asphyxiated neonates at birth.5. Able to evaluate and initiate treatment in common morbidities in neonates.6. Able to identify danger signs in well neonates and plan a discharge.7. able to counsel and successfully manage cases of not enough breastmilk.8. able to successfully manage kangaroo care and in low-birth-weight neonates.9. Able to demonstrate the key points in developmentally supportive care of extremely low birth weight and extremely preterm neonates.10. Able to assist procedures like blood sampling, arterial blood gas sampling, IV cannulation, Intraosseous cannulation, suprapubic tap, urinary catheterization, umbilical cannulation, central venous access, PICC line insertion, endotracheal intubation, ventilation.11. Able to perform (under supervision) procedures like SpO2 estimation, BP estimation, vitals monitoring, capillary blood testing, TcB, OG tube insertion, gavage feeding, paladai feeding,

	<ul style="list-style-type: none"> 12. Able to document and record consents and procedures notes in case files. 13. Able to plan follow in high risk NICU graduates.
Number of students that can be accommodated in this elective	5
Prerequisites for elective	<ul style="list-style-type: none"> 3. Completed Clinical Posting in Neonatology 4. Satisfactory Performance in Ward-Leaving test
List of activities of student participation	<ul style="list-style-type: none"> 7. Labour room and OT visits (at birthing site) 8. Receive Patients in NICU with History Taking Sessions 9. Accompany the duty doctor in examination and assessment of neonates in postnatal ward and NICU 10. Accompany nurse in monitoring and feeding of neonates 11. Be a part of the Team discussing the optimal management of the Patient 12. Patient Counselling and Consent Taking 13. Assist and perform procedures (under supervision) 14. Attending teaching sessions 15. Attending High risk follow up and Well baby clinics.
Learning Resources	<ul style="list-style-type: none"> 4. MACDONALDAVERY'S NEONATOLOGY PATHOPHYSIOLOGY & MANAGEMENT OF THE NEWBORN, 7ED, SAE 5. EICHENWALD CLOHERTY AND STARKS MANUAL OF NEONANTAL CARE (SAE)

	6. FACILITY BASED NEWBORN CARE (MANUAL; GOI)
Portfolio entries required	<p>3. Student should present and document case summaries of at least one neonate every week (Total 4) describing the complete sequence of events starting from reporting in NICU till the last follow up done, with a brief discussion on the Critical Events leading to the Outcome Reached.</p> <p>4. Student should document all the procedures observed/ assisted/ performed by him/her during the elective posting.</p> <p>5. Student should reflect upon at least two counselling sessions attended by him/her.</p>
Log book entry required	Yes: Satisfactory Performance Grade for Each of the Learning Objectives as described above
Assessment	<p>3. Attendance (80% and above)</p> <p>4. Logbook</p> <p>5. Portfolio</p> <p>6. Global rating scale</p>
Other comments	-

ELECTIVE 3

Name of Block	2
Name of Elective	PEDIATRIC Nephrology
Location of hospital Lab or research Facility	Pediatric nephrology clinic, ESIC Medical College and Hospital, NIT-3, Faridabad, Haryana
Name of internal preceptor(s)	Dr R N MANDAL, Dr Anand
Name of external preceptor if applicable	Nil

Learning objectives of elective	<ul style="list-style-type: none"> 14. At the end of posting, Able to identify Acute kidney injury, Chronic kidney disease, Nephrotic syndrome and Hypertension 15. Able to measure GFR , Urine output and proteinuria 16. Able to perform urinary catheterisation 17. Able to document and record consents and procedures notes in case files.
Number of students that can be accommodated in this elective	5
Prerequisites for elective	<ul style="list-style-type: none"> 5. Completed Clinical Posting in Pediatrics 6. Satisfactory Performance in Ward-Leaving test
List of activities of student participation	<ul style="list-style-type: none"> 16. Attend Pediatric Nephrology OPD and PICU rounds 17. Present Pediatric Nephrology cases like Nephrotic syndrome and Hypertension 18. Accompany the duty doctor in examination and assessment 19. Be a part of the Team discussing the optimal management of the Patient 20. Patient Counselling and Consent Taking 21. Assist and perform procedures (under supervision) 22. Attending teaching sessions
Learning Resources	<ul style="list-style-type: none"> 7. FACILITY BASED integrated management of neonatal and childhood illness CARE (MANUAL; GOI) 8. Piyush gupta UG textbook of Pediatrics 9. AIIMS PICU Protocol
Portfolio entries required	<ul style="list-style-type: none"> 6. Student should present and document case summaries of at least one child every week (Total 4) 7. Student should document all the procedures observed/ assisted/

	performed by him/her during the elective posting.
Log book entry required	Yes: Satisfactory Performance Grade for Each of the Learning Objectives as described above
Assessment	7. Attendance (80% and above) 8. Logbook
Other comments	

ELECTIVE 4

Name of Block	2
Name of Elective	PEDIATRIC Neurology and Child development
Location of hospital Lab or research Facility	Pediatric neurology clinic, ESIC Medical College and Hospital, NIT-3, Faridabad, Haryana
Name of internal preceptor(s)	Dr R N MANDAL, Dr Aakanksha Anand
Name of external preceptor if applicable	Nil
Learning objectives of elective	18. At the end of posting, Able to identify Seizure , types and preliminary management 19. Able to do developmental assessment

Number of students that can be accommodated in this elective	5
Prerequisites for elective	<ul style="list-style-type: none"> 7. Completed Clinical Posting in Pediatrics 8. Satisfactory Performance in Ward-Leaving test
List of activities of student participation	<ul style="list-style-type: none"> 23. Attend Pediatric Neurology OPD and PICU rounds 24. Present Pediatric Neurology cases like Seizure disorder and Global developmental delay 25. Accompany the duty doctor in examination and assessment 26. Be a part of the Team discussing the optimal management of the Patient 27. Patient Counselling and Consent Taking 28. Attending teaching sessions
Learning Resources	<ul style="list-style-type: none"> 10. FACILITY BASED integrated management of neonatal and childhood illness CARE (MANUAL; GOI) 11. Piyush gupta UG textbook of Pediatrics 12. AIIMS PICU Protocol
Portfolio entries required	<ul style="list-style-type: none"> 8. Student should present and document case summaries of at least one child every week (Total 4) 9. Student should document all the procedures observed/ assisted/ performed by him/her during the elective posting.
Log book entry required	<p>Yes:</p> <p>Satisfactory Performance Grade for Each of the Learning Objectives as described above</p>
Assessment	<ul style="list-style-type: none"> 9. Attendance (80% and above) 10. Logbook

Other comments	
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ELECTIVE 5

Name of Block	2
Name of Elective	PEDIATRIC INTENSIVE CARE UNIT
Location of hospital Lab or research Facility	PICU, ESIC Medical College and Hospital, NIT-3, Faridabad, Haryana
Name of internal preceptor(s)	Dr Devkinandan, Dr Onkar
Name of external preceptor if applicable	Nil
Learning objectives of elective	<p>20. At the end of posting, Able to identify danger signs in children</p> <p>21. Able to identify respiratory distress, Heart failure, Status asthmaticus and Status epilepticus</p> <p>22. Able to assist procedures like blood sampling, arterial blood gas sampling, IV cannulation, Intraosseous cannulation, urinary catheterization, central venous access, PICC line insertion, endotracheal intubation, ventilation.</p> <p>23. Able to perform ascitic and pleural tap</p> <p>24. Able to perform (under supervision) procedures like SpO2 estimation, BP estimation, vitals monitoring.</p> <p>25. Able to document and record consents and procedures notes in case files.</p>
Number of students that can be accommodated in this elective	5
Prerequisites for elective	<p>9. Completed Clinical Posting in Pediatrics</p> <p>10. Satisfactory Performance in Ward-Leaving test</p>

List of activities of student participation	<ul style="list-style-type: none"> 29. Attend PICU rounds 30. Receive Patients in PICU with History Taking Sessions 31. Accompany the duty doctor in examination and assessment 32. Be a part of the Team discussing the optimal management of the Patient 33. Patient Counselling and Consent Taking 34. Assist and perform procedures (under supervision) 35. Attending teaching sessions
Learning Resources	<ul style="list-style-type: none"> 13. FACILITY BASED integrated management of neonatal and childhood illness CARE (MANUAL; GOI) 14. Piyush gupta UG textbook of Pediatrics
Portfolio entries required	<ul style="list-style-type: none"> 10. Student should present and document case summaries of at least one child every week (Total 4) 11. Student should document all the procedures observed/ assisted/ performed by him/her during the elective posting.
Log book entry required	<p>Yes:</p> <p>Satisfactory Performance Grade for Each of the Learning Objectives as described above</p>
Assessment	<ul style="list-style-type: none"> 11. Attendance (80% and above) 12. Logbook
Other comments	

COMMUNITY MEDICINE

Elective 1

Name of the Block	Block I (Ongoing Research) & Block II (Student initiated Research/Community & Epidemiological Surveys)
Name of the Elective	Research Methodology
Location of hospital lab or research facility	Hospital/Rural or Urban Field Practice Areas of Community Medicine Department
Name of internal preceptor(s)	Dr Pooja Goyal, Dr Mitasha Singh, Mr Lokesh Parashar
Name of external preceptor (if any)	Depending on the selected research topic, external preceptor will be decided
Learning objectives of the elective	At the end of Phase III (Part1), MBBS student should be able to: <ol style="list-style-type: none">1. Formulate a research question2. Collect and analyse the relevant information systematically3. Derive better solutions for the problem to aid in decision making4. Inculcate logical and systematic thinking
Number of students that can be accommodated in this elective	10
Prerequisites for the elective	MBBS student must possess basic knowledge and skills in epidemiology, screening and biostatistics. Desktop/Laptop with internet connection, Microsoft excel & SPSS for data analysis. Other project specific logistics if required may be decided at the time of project planning.
Learning resources for students	Research Methodology: Methods & Techniques (Books available online & offline)
List of activities in which student will participate	<ol style="list-style-type: none">1. Formulation of Research Question and Objectives2. Review of Literature3. Methodology of the Research Project

	4. Data Collection 5. Data Analysis 6. Report Writing
Portfolio entries required	Research Question & Objectives, Methodology & Data Presentation
Log book entry required	Record of daily activities and the report prepared
Assessment	Assessments will be done before data collection and after data analysis based on the report presentation and viva voce.
Other comments	-

Elective 2

Name of the Block	Block II
Name of the Elective	NCD Clinic
Location of hospital lab or research facility	UHTC, Sector 7, Faridabad and CHC Pali (RHTC)
Name of internal preceptor(s)	Dr. Shweta Goswami, Dr SL Vig, Dr Narendra Singh
Name of external preceptor (if any)	-
Learning objectives of the elective	At the end of Phase III (Part1), MBBS student should be able to: <ol style="list-style-type: none"> 5. To identify the risk factors of and diseases labelled as NCDs 6. To be able to screen people for NCDs 7. To be able to diagnose the patients with NCDs 8. To be able to give first line treatment 9. To counsel the patients and their family as per need 10. To conduct health education session in the community

	11.To familiarize with the reporting mechanism of NPCDCS program
Number of students that can be accommodated in this elective	4
Prerequisites for the elective	MBBS student must possess basic knowledge and skills in diagnosing and managing NCDs. NCD clinics at RHTC & UHTC equipped with support manpower and logistics for immunization & cold chain
Learning resources for students	Module for Medical Officers – NPCDCS by MoHFW
List of activities in which student will participate	<ul style="list-style-type: none"> • Attend orientation session on day 1 • Participate in the screening of apparently healthy adult attendants of Hospital • Develop health education material on any selected disease • Conduct health education sessions with a patient, family and community • Meet with MO CHC/District Programme Officer and narrate their perspectives • Participate in reporting of the activities under NPCDCS • Present a case and weekly report of the programme
Portfolio entries required	Reflection on learning experience submitted at end of 15 days to internal preceptor Health education material developed
Log book entry required	Daily log of patients examined and reports prepared
Assessment	Assessment will be done at the end of the course based on the Log book entries, Case presentation and viva.
Other comments	-

ELECTIVE 3

Name of the Block	Block II
Name of the Elective	Immunization Clinic
Location of hospital lab or research facility	Immunization Clinic at Urban Health & Training Centre or Rural Health & Training Centre, COVID Vaccination Centre
Name of internal preceptor(s)	Dr Mithilesh Kumar, Dr Sneha Ranjan, Dr Rohit Dhaka
Name of external preceptor (if any)	-
Learning objectives of the elective	<p>At the end of Phase III (Part1), MBBS student should be able to:</p> <ol style="list-style-type: none"> 1. describe steps of eliciting information about immunization status of individuals. 2. enlist vaccines used under Universal Immunization Programme, age of administration, dosage schedule, contraindications and advantages. 3. calculate vaccine demand for the immunization clinic taking into account the existing MCH indicators and vaccine wastage multiplication factor 4. recommend and administer vaccine required at the particular age of the child/adolescent/pregnant mother 5. describe and apply principles of cold chain for safe storage of vaccines 6. impart education about vaccine preventable diseases to the community.
Number of students that can be accommodated in this elective	4
Prerequisites for the elective	MBBS student must possess basic knowledge of immunity, its type, vaccine & types, various routes for immunization and UIP schedule.

	Immunization clinics at RHTC & UHTC equipped with support manpower and logistics for immunization & cold chain
Learning resources for students	Immunization Module for Medical Officers by MoHFW
List of activities in which student will participate	<ol style="list-style-type: none"> 7. Planning vaccine demand for the clinic 8. Prescribing the vaccine required and counselling of the parents. 9. Administration of various vaccines by different routes 10. Monitor cold chain in the clinic
Portfolio entries required	<p>Reflection on learning experience submitted to internal preceptor</p> <p>Health education material developed</p>
Log book entry required	Daily log of patients examined and reports prepared
Assessment	Assessment will be done at the end of the course based on the Log book entries, Case presentation and viva.
Other comments	-

ANAESTHESIA

Name of Block	Block 2
Name of Elective	Anaesthesiology
Location of hospital lab or research facility	ESIC Medical College & Hospital Faridabad
Name of internal preceptor(s)	Dr. A R Gogia/ Dr. Rashmi Virmani
Name of external preceptor(if any)	N/A
Learning objectives of the elective	<ol style="list-style-type: none">1. To perform pre anaesthetic evaluation of a patient posted for surgery.2. To demonstrate cardiopulmonary resuscitation in a simulated environment.3. To understand the principles of monitoring in Anaesthesia.4. To function effectively as a team member in perioperative management of surgical patients5. Observe conduct of regional and general anaesthesia

	6. To monitor patient in Post Anaesthesia Care Unit.
Number of students that can be accommodated in this elective	Four
Prerequisites for the elective	Anatomy of airway and lumbar spine Physiology of cardiovascular and respiratory system Pharmacology of anaesthesia drugs
Learning resources for students	Mannequins Short textbook of Anaesthesia – Ajay Yadav
List of activities in which the student will participate	Participate in academic programs of the department Assist in common procedures done during anaesthesia
Portfolio entries required	Case record of atleast one patient each managed under regional and general anaesthesia. daily
Log book entry required	Satisfactory completion of posting as signed by preceptor Daily log of patients seen and activities participated
Assessment	Attendance

	Successful verification of required portfolio enteries Successful completion of the posting as certified in the log book with a” meets expectation ‘M’grade
Other comments	

ORTHOPEDICS

ELECTIVE 1

Name of Block	2
Name of Elective	Emergency Orthopaedic Care
Location of hospital Lab or research Facility	Orthopaedics Casualty & Ward
Name of internal preceptor(s)	Dr Brejesh Prasad, Dr Deepak Tanwar
Name of external preceptor if applicable	Nil
Learning objectives of elective	<p>26.To be able to Receive and assess patient received in Emergency with various modes of trauma</p> <p>27.To be able to Co-Ordinate and work as a team with other specialities for Poly trauma Patients</p> <p>28.Work with the Emergency Medical Team</p> <p>29.Triage</p> <p>30.Discuss (With Preceptor), Finalise and Counsel the Patient and care-givers regarding Treatment, Complications and Prognosis.</p> <p>31.To be able to Order appropriate Investigations on the basis of Clinical features and History and Plan of management</p>

Number of students that can be accommodated in this elective	4
Prerequisites for elective	<p>11. Completed Clinical Posting in Orthopaedics and/or Emergency medicine</p> <p>12. Satisfactory Performance in Ward-Leaving test</p>
List of activities of student participation	<p>36. Receive Patients in Emergency with a brief History Taking Session</p> <p>37. Accompany the Duty doctor in Overall examination and assessment</p> <p>38. Be a part of the Team discussing the optimal management of the Patient with special Focus on Orthopaedic Injuries</p> <p>39. Patient Counselling and Consent Taking</p> <p>40. Assist and perform under supervision closed reduction of fractures and Dislocation</p> <p>41. Perform Splintage with Plasters, Splints and traction</p> <p>42. Assist in emergency surgery as part of the Operative Team and get a first-hand Idea regarding Asepsis in OT</p> <p>43. Accompany the Orthopaedic Team on Ward Rounds.</p>

Learning Resources	<ol style="list-style-type: none"> 1. Trauma Care: Initial Assessment and Management in the Emergency Department. United Kingdom, Wiley, 2009. 2. Egol, K., Zuckerman, J. D., Koval, K. J. (2012). Handbook of Fractures. (n.p.): Wolters Kluwer Health.
Portfolio entries required	<ol style="list-style-type: none"> 12. Student should Complete and present Case summaries of at Least one patient every week (Total 4) describing the complete sequence of events starting from Reporting in Emergency to Last Follow up in OPD, with a brief discussion on the Critical Events leading to the Outcome Reached. 13. Sequence of Events playing a positive role in the patient's Rehabilitation
Log book entry required	<ol style="list-style-type: none"> 1. 3 - 4 Patients against each of the Learning Objectives described 2. Satisfactory Performance Grade for Each of the Learning Objectives
Assessment	<p>Attendance</p> <p>Successful completion of research objectives and log book entry</p>
Other comments	

ELECTIVE 2

Name of Block	2
Name of Elective	Geriatric Orthopaedics & Rehabilitation
Location of hospital Lab or research Facility	Orthopaedics OPD, Casualty, Ward & Physiotherapy OPD
Name of internal preceptor(s)	Dr Deepak Tanwar, Dr Brejesh
Name of external preceptor if applicable	Nil
Learning objectives of elective	<ol style="list-style-type: none">1. To develop an understanding of the Special Orthopaedic needs of the geriatric patients.2. To be able to discuss the effect of Geriatric factors in disease management in OPD Patients with Orthopaedic OPD3. To work in close co relation with physiotherapy Department and observe and understand the steps taken for Early Rehabilitation of Patients4. Be perceptive to Special Needs of Geriatric Patients
Number of students that can be accommodated in this elective	3
Prerequisites for elective	<ol style="list-style-type: none">1. Completed Clinical Posting in Orthopaedics and/or Emergency medicine

List of activities of student participation	<ol style="list-style-type: none"> 1. Accompany the Preceptor's in Orthopaedic OPD and on ward rounds 2. Join Patient care discussions on ward rounds 3. Attend weekly Review Meetings 4. Present a detailed weekly Review of one case every week in departmental Review Meeting 5. Attend to Patients in Physiotherapy OPD and Record their Improvements in Charts/ Format
Learning Resources	<ol style="list-style-type: none"> 1. Trauma Care: Initial Assessment and Management in the Emergency Department. United Kingdom, Wiley, 2009. 2. Egol, K., Zuckerman, J. D., Koval, K. J. (2012). Handbook of Fractures. (n.p.): Wolters Kluwer Health.
Portfolio entries required	<ol style="list-style-type: none"> 1. Student should Complete and present Case summaries of at Least one patient every week (Total 4) describing the complete sequence of events starting from First visit till Last Follow up in OPD, with a brief discussion on the Critical Events leading to the Outcome Reached. 2. Sequence of Events playing a positive role in the patient's Rehabilitation
Log book entry required	<ol style="list-style-type: none"> 1. 3 - 4 Patients against each of the Learning Objectives described 2. Satisfactory Performance Grade for Each of the Learning Objectives
Assessment	<p>Attendance – 75% and Above</p> <p>Successful completion of research objectives and log book entry</p>

Other comments	
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ENT

ELECTIVE 1

Name of the block	Block 2
Name of the elective	Head and Neck Oncology
Location of the hospital lab or research facility	Medical college hospital
Name of the internal perceptor	Dr Avani Jain, Dr A. K Rai
Name of the external perceptor	
Learning objectives of the electives	<p>To be able to approach and take history and do clinical examination in head and neck cancers.</p> <p>To be able to do screening of oral cavity and oropharyngeal cancers.</p> <p>To be able to perform indirect laryngoscopic examination for suspected cases</p> <p>To observe fibro optic laryngoscopies and diagnostic endoscopies</p> <p>To provide primary care and counselling for patients under supervision.</p>
Number of students that can be accommodated in this elective	4
Prerequisites for elective	Required immunisations and universal precaution
List of activities of student participation	<p>Provide patient care under supervision</p> <p>Present 2 cases and record the case files.</p> <p>To participate in the diagnostic workup of patients suspected of head and neck cancers under supervision.</p>

	To counsel the patients and relatives regarding preventive measures under supervision. To assist in taking biopsies of suspected lesions
Learning resources	Stell n Maran's Text book of head and neck Surgery and Oncology .
Portfolio entries required	Daily logbook of patients seen and activities done. Documentation of two fully worked up patients
Log book entry required	Satisfactory completion of posting by the perceptor
Assessment	Attendance Successful verification of required portfolio entries Successful completion of the posting as certified in the logbook with a "meets expectation 'M' grade".
Other comments	

ELECTIVE 2

Name of the block	Block 2
Name of the elective	Otology
Location of the hospital lab or research facility	Medical college hospital
Name of the internal perceptor	Dr Jaseetha , Dr A.K Rai

Name of the external perceptor	-
Learning objectives of the electives	<p>To be able to approach and take history and do clinical examination in patients with otologic diseases</p> <p>To be able to do screening of patients with hearing loss</p> <p>To be able to perform otoscopic examination of the patients under supervision.</p> <p>To observe the audiological investigations like PTA , OAE , Tympanometry and BERA</p> <p>To observe oto endoscopies , examination under microscope.</p> <p>To provide primary care and counselling for preventable causes of hearing loss for patients under supervision.</p>
Number of students that can be accommodated in this elective	4
Prerequisites for elective	Required immunisations and universal precaution
List of activities of student participation	<p>Provide patient care under supervision.</p> <p>Present 2 cases and record the case files.</p> <p>To participate in the diagnostic workup of patients with chronic otitis media, under supervision.</p> <p>To counsel the patients and relatives regarding preventable causes of hearing loss.</p> <p>To observe and assist in surgeries in otology</p>

Learning resources	Manual of middle ear surgery-Mirko Tos Glasscock-Shambough :Surgery of the Ear.
Portfolio entries required	Daily logbook of patients seen and activities done. Documentation of two fully worked up patients
Log book entry required	Satisfactory completion of posting by the perceptor
Assessment	Attendance Successful verification of required portfolio entries Successful completion of the posting as certified in the logbook with a "meets expectation 'M' grade".
Other comments	

OPHTHALMOLOGY

Name of Block	2
Name of Elective	i. Fundus Examination ii. Optometry
Location of hospital Lab or research Facility	Eye OPD
Name of internal preceptor(s)	Dr. Srishti Shree, Asstt. Prof.
Name of external preceptor if applicable	Nil
Learning objectives of elective	<ol style="list-style-type: none">1. Application of electives to patients2. Importance of this application3. Will assist in better management of patients
Number of students that can be accommodated in this elective	3 students for each electives
Prerequisites for elective	<ol style="list-style-type: none">1. OPD & IPD cases2. Teaching sessions3. Case representation

List of activities of student participation	<p>44. See the Patients in OPD with a brief History Taking Session</p> <p>45. Accompany the Duty doctor in Overall examination and assessment</p> <p>46. Be a part of the Team discussing the optimal management of the Patient with special Focus on optometry and fundus examination</p> <p>47. Patient Counselling and Consent Taking</p> <p>48. Assist and perform under supervision</p> <p>49. Accompany the Ophthalmology Team on Ward Rounds.</p>
Learning Resources	<ul style="list-style-type: none"> • Practice of Refraction by Duke Elder • Fundus of Eye by Grewal, Barar et al
Portfolio entries required	<p>14. Student should Complete and present Case summaries of at Least one patient every week (Total 4) describing the complete sequence of events starting from examining the patient in OPD, with a brief discussion on how the patient was managed.</p> <p>15. Sequence of Events playing a positive role in the patient's Rehabilitation</p>
Log book entry required	<p>3. 3 - 4 Patients against each of the Learning Objectives described</p> <p>4. Satisfactory Performance Grade for Each of the Learning Objectives</p> <p>5. Completion of posting which meets expectations (M)</p>

Assessment	Attendance Successful completion of objectives log book entry
Other comments	

PSYCHIATRY

ELECTIVE 1

Name of block	Block 2
Name of elective	De-addiction medicine
Location of hospital lab or research facility	Department of psychiatry, ESIC medical college, FBD
Name of internal preceptors	Dr Ankur Sachdeva Dr Geetanjali Kesri
Learning objectives of the elective	To understand the neurobiology of addiction To take history and plan management of person with substance use disorders
No. of students that can be accommodated in this elective	4
Prerequisites for the elective	Student should have completed III rd MBBS Part I
Learning resources for students	<ul style="list-style-type: none"> • A short textbook of psychiatry : Neeraj Ahuja • Substance use disorders- Manual for Physician (AIIMS) • Textbook of substance use disorder treatment: APA publishing

List of activities in which the students will participate	OPD (Deaddiction Clinic) IPD Case presentation and discussion Seminars
Portfolio entries required	Yes (Documentation of cases seen and presented)
Log book entry required	Yes (Completion of posting signed by preceptor with a “Meets expectation (M) grade”
Assessment	Attendance in OPD and IPD Participation in teaching and department related activities
Other comments	Students will be encouraged to undertake small research projects based on their training in elective posting in the department

ELECTIVE 2

Name of block	Block 2
Name of elective	Psychology
Location of hospital lab or research facility	Department of psychiatry, ESIC medical college, FBD
Name of internal preceptors	Dr Ankur Sachdeva Dr Geetanjali Kesri
Learning objectives of the elective	Introduction to psychology Role of psychological intervention in psychiatric illnesses
No. of students that can be accommodated in this elective	4
Prerequisites for the elective	Student should have completed III rd MBBS Part I
Learning resources for students	<ul style="list-style-type: none"> • Fish’s clinical psychopathology • Morgans king : Introduction to psychology

	<ul style="list-style-type: none"> • Pearson Psychological testing
List of activities in which the students will participate	Psychotherapeutic use in OPD and IPD patients
Portfolio entries required	Yes (Documentation of cases seen and therapies done)
Log book entry required	Yes (Completion of posting signed by preceptor with a “Meets expectation (M) grade”
Assessment	Attendance in OPD and IPD Participation in teaching and department related activities
Other comments	Students will be encouraged to undertake small research projects based on their training in elective posting in the department

RADIO DIAGNOSIS

ELECTIVE

NAME OF BLOCK	BLOCK 2
NAME OF ELECTIVE	Radiodiagnosis
LOCATION OF HOSPITAL	ESIC MEDICAL COLLEGE FARIDABAD
NAME OF INTERNAL PRECEPTORS	DR ASHOK KAPOOR,DR SONALI MADAN
NAME OF EXTERND PRECEPTORS IF ANY	
LEARNING OBJECTIVES	<ol style="list-style-type: none">1. TO PROVIDE BASK UNDERSTANDING OF GENERAL RADIOGRAPHY MAINLY X-RAY CHEST& BONES WITH AN OVERVIEW OF CT,MRI,USG & SPECIAL INVESTIGATIONS2. TO PROVIDE BASIC KNOWLEDGE AS TO WHAT RADIO LOGICAL INVESTIGATION HAS TO BE PRESCRIBED TO A PATIENT AND WHEN
NAME OF STUDENT	4
PREREQUISITES FOR ELECTIVE	MBBS STUDENT
LIST OF ACTIVITIES OF STUDENT PARTICIPATION	<ol style="list-style-type: none">1. Teaching Sessions2. Case discussions
LEARNING RESOURCES	PRACTICAL
PORTFOLIO ENTERIES REQUIRED	DOCUMENTS OF CASES

LOG BOOK ENTRY REQUIRED	CASES DISCUSSED
ASSESSMENT	1. ATTENDENCE 2. PARTICIPATION IN DISCUSSIONS & TEACHING SESSIONS

DERMATOLOGY

ELECTIVE

Name of block	2
Name of elective	Dermatology & STD
Location	ESIC medical college & hospital
No of student	6
Learning objectives	<ol style="list-style-type: none"> 1. To be able to differentiate between different types of basic skin lesions 2. To be able to differentiate and diagnose fungal infections. 3. Prepare KOH mount and see fungal elements. 4. Observe tzanck smears and its interpretation. 5. Observe slit skin smears and its interpretation. 6. Observe radio-frequency ablation and electric fulguration. 7. Observe grattag's test and to be able to differentiate psoriatic lesions. 8. Observe micro needling. 9. Observe phototherapy.
Pre-requisites of elective	Should have completed first 8 semester examinations.
List of activities for student participation	<ol style="list-style-type: none"> 1. Weekly case presentation 2. Prepare at least 5 KOH smears and demonstrate fungal elements. 3. Counselling of patients.

Porfolio entries required	<ol style="list-style-type: none">1. Students should complete at least 1 case presentation.2. Students should perform at least 5 koh smears and demonstration fungal elements.3. Complete log book.
Log book entry required	<ol style="list-style-type: none">1. 3-4 patients against earn of the learning objective described.2. Satisfactory performance grade for earn of the learning objectives.
Assessment	<ol style="list-style-type: none">1. Attendance2. Successful completion of research objective and log book entry.