



Jagannath Gupta Institute of Medical Sciences & Hospital

ELECTIVE PROGRAM BATCH 2023-24

ELECTIVE BLOCK 2			
Name of Elective	Department	Name of Preceptor	No. of students
Metabolic Dysfunction-Associated Steatotic Liver Disease (MASLD) and Chronic Liver Disease: Clinical Evaluation	General Medicine	Unit 1 Faculty Prof. Dr. A. K. Saha/Dr. A. Mondal/Dr. P. Chatterjee/Dr. S. Sardar	4
Chronic Heart Failure: Clinical Evaluation and Management	General Medicine	Unit 2 Faculty Prof. Dr. S. Ghosh/Dr. A. K. Ray/Dr. K. Mal/Dr. A. Roy	4
Chronic Obstructive Pulmonary Disease (COPD): Diagnosis and Management	General Medicine	Unit 3 Faculty Prof. Dr. S. Maitra/Dr. S. Mandal/Dr. S. Dutta/ Dr. A. Gupta	4
Common Hematological Disorders: Clinical Approach in IPD	General Medicine	Unit 4 Faculty Prof. Dr. M. Sarkar/Dr M. R Bakshi/Dr B Mukherjee	4
Stroke: Clinical Assessment and Initial Management	General Medicine	Unit 5 Faculty Prof. Dr. K. Hazra/Dr. S. Parui/Dr. P. Mahato/Dr. P. Bhakta	4
Diabetes Mellitus: Clinical Evaluation and Management	General Medicine	Unit 6 Faculty Dr. S. K. Saha/Dr. S. Ghosh/Dr.J. Sarkar	4

Elective 1: Metabolic Dysfunction-Associated Steatotic Liver Disease (MASLD) and Chronic Liver Disease: Clinical Evaluation

Name of Block	Block 2
Name of Elective	Metabolic Dysfunction-Associated Steatotic Liver Disease (MASLD) and Chronic Liver Disease: Clinical Evaluation
Location of Hospital Lab or Research Facility	JIMSH Medicine Ward and OPD
Name of Internal Preceptor(s)	Unit 1 Faculty
Name of External Preceptor (if any)	None
Learning Objectives of Elective	• Understand the common causes of chronic liver disease. • Learn clinical evaluation of patients with liver disease. • Understand basic interpretation of liver function tests and imaging findings.
Number of Students	4
Prerequisites for Elective	Basic knowledge of liver anatomy and physiology.
Learning Resources for Students	Liver disease chapter from a standard Medicine textbook / Davidson's Principles and Practice of Medicine.
List of Activities in Which the Student Will Participate	• Attend ward and OPD rounds. • Observe clinical examination of patients with liver disease. • Discuss liver function tests and imaging findings.
Portfolio Entries Required	Case summary of one patient.
Log Book Entry Required	Record daily activities and important clinical findings.
Assessment	Case presentation and participation in clinical activities.
Other Comments	Students should interact with patients having different liver disorders.

Elective 2: Chronic Heart Failure: Clinical Evaluation and Management

Name of Block	Block 2
Name of Elective	Chronic Heart Failure: Clinical Evaluation and Management
Location of Hospital Lab or Research Facility	JIMSH Medicine Ward and ICU
Name of Internal Preceptor(s)	Unit 2 Faculty
Name of External Preceptor (if any)	None
Learning Objectives of Elective	● Identify common symptoms and signs of heart failure. ● Understand basic clinical assessment of heart failure. ● Learn the principles of management and patient counselling.
Number of Students	4
Prerequisites for Elective	Basic knowledge of cardiovascular physiology and common cardiac diseases.
Learning Resources for Students	Heart failure chapter from a standard Medicine textbook / Davidson's Principles and Practice of Medicine.
List of Activities in Which the Student Will Participate	● Participate in ward rounds. ● Observe cardiovascular examination. ● Discuss ECG, chest X-ray and echocardiography findings. ● Observe patient counselling.
Portfolio Entries Required	Case summary of one patient with heart failure.
Log Book Entry Required	Record examination findings and important investigations.
Assessment	Case presentation and participation in ward rounds.
Other Comments	Emphasis will be given to clinical examination and patient education.

Elective 3: Chronic Obstructive Pulmonary Disease (COPD): Diagnosis and Management

Name of Block	Block 2
Name of Elective	Chronic Obstructive Pulmonary Disease (COPD): Diagnosis and Management
Location of Hospital Lab or Research Facility	JIMSH Medicine Ward and ICU
Name of Internal Preceptor(s)	Unit 3 Faculty
Name of External Preceptor (if any)	None
Learning Objectives of Elective	● Recognize common symptoms and signs of COPD. ● Understand the basic principles of management of COPD. ● Learn correct inhaler and nebulization techniques.
Number of Students	4
Prerequisites for Elective	Basic knowledge of respiratory physiology and common respiratory diseases.
Learning Resources for Students	COPD chapter from a standard Medicine textbook / Davidson's Principles and Practice of Medicine.
List of Activities in Which the Student Will Participate	● Attend ward and ICU rounds. ● Observe respiratory system examination. ● Observe nebulization and inhaler techniques. ● Participate in patient education.
Portfolio Entries Required	Case summary of one COPD patient.
Log Book Entry Required	Record clinical findings, investigations and chest X-ray observations.
Assessment	Case presentation and participation in clinical activities.
Other Comments	Students will be encouraged to demonstrate correct inhaler technique.

Elective 4: Common Hematological Disorders: Clinical Approach in IPD

Name of Block	Block 2
Name of Elective	Common Hematological Disorders: Clinical Approach in IPD
Location of Hospital Lab or Research Facility	JIMSH Medicine Ward
Name of Internal Preceptor(s)	Unit 4 Faculty
Name of External Preceptor (if any)	None
Learning Objectives of Elective	● Recognize common presentations of anemia and other hematological disorders. ● Learn basic interpretation of complete blood count and peripheral smear. ● Understand the general approach to diagnosis and management.
Number of Students	4
Prerequisites for Elective	Basic knowledge of blood physiology and common hematological disorders.
Learning Resources for Students	Hematology chapter from a standard Medicine textbook / Davidson's Principles and Practice of Medicine.
List of Activities in Which the Student Will Participate	● Attend ward rounds. ● Observe clinical examination of patients. ● Discuss CBC and peripheral smear findings. ● Participate in case discussions.
Portfolio Entries Required	Case summary of one patient.
Log Book Entry Required	Record clinical findings and important hematological investigations.
Assessment	Formative: Case discussion and participation in ward rounds.
Other Comments	Emphasis will be given to a practical approach to common hematological problems.

Elective 5: Stroke: Clinical Assessment and Initial Management

Name of Block	Block 2
Name of Elective	Stroke: Clinical Assessment and Initial Management
Location of Hospital Lab or Research Facility	JIMSH Medicine and Neurology Ward and ICU
Name of Internal Preceptor(s)	Unit 5 Faculty
Name of External Preceptor (if any)	None
Learning Objectives of Elective	● Identify common clinical features of stroke. ● Learn basic neurological examination. ● Understand the initial evaluation and management of stroke patients.
Number of Students	4
Prerequisites for Elective	Basic knowledge of neuroanatomy and nervous system examination.
Learning Resources for Students	Stroke chapter from a standard Medicine textbook / Davidson's Principles and Practice of Medicine.
List of Activities in Which the Student Will Participate	● Attend ward rounds. ● Observe neurological examination. ● Discuss CT/MRI brain findings. ● Participate in case discussions.
Portfolio Entries Required	Case summary of one stroke patient.
Log Book Entry Required	Record neurological examination and neuroimaging findings.
Assessment	Formative: Case presentation and active participation.
Other Comments	Students should observe the clinical assessment of acute stroke patients.

Elective 6: Diabetes Mellitus: Clinical Evaluation and Management

Name of Block	Block 2
Name of Elective	Diabetes Mellitus: Clinical Evaluation and Management
Location of Hospital Lab or Research Facility	JIMSH Medicine Ward and OPD
Name of Internal Preceptor(s)	Unit 6 Faculty
Name of External Preceptor (if any)	None
Learning Objectives of Elective	• Understand the common clinical presentation of diabetes mellitus. • Learn basic interpretation of blood glucose and HbA1c. • Understand lifestyle modification and principles of treatment.
Number of Students	4
Prerequisites for Elective	Basic knowledge of carbohydrate metabolism and endocrine physiology.
Learning Resources for Students	Diabetes chapter from a standard Medicine textbook / Davidson's Principles and Practice of Medicine.
List of Activities in Which the Student Will Participate	• Attend OPD and ward rounds. • Observe clinical evaluation of diabetic patients. • Discuss blood glucose and HbA1c reports. • Participate in dietary and lifestyle counselling.
Portfolio Entries Required	Case summary of one patient with diabetes mellitus.
Log Book Entry Required	Record clinical findings, blood glucose values and management plan.
Assessment	Formative: Case presentation and participation in clinical activities.
Other Comments	

ELECTIVE BLOCK 2			
Name of Elective	Department	Name of Preceptor	No. of students
Skin changes in normal new born is first 15 days.	Paediatrics	Prof Dr. J.Das Dr. V. Sengupta Dr. D. Ghatak	5
Stool behaviour of normal new born upto 7 days.	Paediatrics	Prof Dr. M. Bhattacharya Dr. M. Mahapatra Dr. S. Ghosh	5
Temp assessment of normal new born with respect to grades of hypothermia.	Paediatrics	Prof Dr. M. Sengupta Dr. S. Majumder Dr. S. Ghosh	5
Assessment of icterus by cremer staging.	Paediatrics	Prof Dr. S. Bhanja Dr. A. Basu	5

Name of Block	Block 2
Name of Elective	Skin changes in normal new born is first 15 days
Location of hospital Lab or research facility	JIMSH
Name of internal preceptor(s)	Prof Dr. J.Das Dr. V. Sengupta Dr. D. Ghatak
Name of external preceptor (if any)	Nil
Learning objectives of elective	Object to defect the clinical laboratories parameter of neonates.
Number of students that can be accommodated in this elective	5
Prerequisites for elective	
Learning Resources for students	Theory and practical in jimsh.
List of activities in which the student will participate	Clinical examination and presentation under the Supervision of preceptors
Portfolio entries required	Data collection analysis and presentation.
Log book entry required	Results of screening in the neonate
Assessment	At the end of the posting by the preceptor, whether meets the expectation or not
Other comments	

Elective 2: Stool behaviour of normal new born upto 7 days.

Name of Block	Block 2
Name of Elective	Stool behaviour of normal new born upto 7 days.
Location of hospital Lab or research facility	JIMSH
Name of internal preceptor(s)	Prof Dr. M. Bhattacharya Dr. M. Mahapatra Dr. S. Ghosh
Name of external preceptor (if any)	Nil
Learning objectives of elective	object to defect the clinical laboratories parameter of neonates.
Number of students that can be accommodated in this elective	5
Prerequisites for elective	
Learning Resources for students	Theory and practical in jimsh.
List of activities in which the student will participate	Clinical examination and presentation under the supervision of preceptors.
Portfolio entries required	Data collection analysis and presentation.
Log book entry required	Results of screeing in the neonate
Assessment	At the end of the posting by the preceptor, whether meets the expectation or not
Other comments	

Elective 3: Temp assessment of normal new born with respect to grades of hypothermia.

Name of Block	Block 2
Name of Elective	Temp assessment of normal new born with respect to grades of hypothermia.
Location of hospital Lab or research facility	JIMSH
Name of internal preceptor(s)	Prof Dr. M. Sengupta Dr. S. Majumder Dr. S. Ghosh
Name of external preceptor (if any)	Nil
Learning objectives of elective	object to defect the clinical laboratories parameter of neonates.
Number of students that can be accommodated in this elective	5
Prerequisites for elective	
Learning Resources for students	Theory and practical in JIMSH.
List of activities in which the student will participate	Clinical examination and presentation under the supervision of preceptors.
Portfolio entries required	Data collection analysis and presentation.
Log book entry required	Results of screening in the neonate
Assessment	At the end of the posting by the preceptor, whether meets the expectation or not
Other comments	

Elective 4: Assessment of icterus by cremer staging.

Name of Block	Block 2
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Name of Elective	Assessment of icterus by cremer staging.
Name of internal preceptor(s)	JIMSH
Name of external preceptor (if any)	Prof Dr. S. Bhanja Dr. A. Basu
Learning objectives of the elective	Nil
Number of students that can be accommodated in this elective	5
Prerequisites for the elective	
Learning resources for students	Theory and practical in jimsh.
List of activities in which the student will participate	Clinical examination and presentation under the supervision of preceptors.
Portfolio entries required	Data collection analysis and presentation.
Log book entry required	Results of screeing in the neonate
Assessment	At the end of the posting by the preceptor, whether meets the expectation or not
Other comments	

ELECTIVE BLOCK 2			
Name of Elective	Department	Name of Preceptor	No. of students
Dermatosurgery	Dermatology	Prof. (Dr.) Aniruddha Ghosh Dr. Arunima Dhabal	4

Elective 1: Dermatosurgery

Name of Elective	Dermatosurgery
Location of the hospital	Dermatology OT/Procedure Room and Dermatology OPD, JIMSH, Budge Budge
Name of the internal preceptors	Prof. (Dr.) Aniruddha Ghosh Dr. Arunima Dhabal
Name of the external preceptors (if any)	NIL
Learning objectives of elective	- To describe basic dermatosurgery procedures - To identify dermatosurgery instruments and devices - To demonstrate basic suture techniques and intralesional drug delivery
Number of students that can be accommodated in this elective	4

Prerequisites for elective	NIL
Learning resources for students	- Textbook: Illustrated Synopsis of Dermatology & Sexually Transmitted Diseases (by Neena Khanna) - Handouts provided from department
List of activities of student participation	- Observing and assisting the preceptor in dermatology OT/procedure room - Performing at least two minor OT cases under the guidance of the preceptor at the end of the session
Portfolio entries required	Documentation of all procedures observed, assisted and performed
Log book entry required	- Number of procedures observed - Number of procedures assisted - Number of procedures performed
Assessment	- Attendance - Day-to-day participation in departmental activities - Performance of assigned tasks - Individual presentation at the end of session
Other comments	NIL

ELECTIVE BLOCK 2

Name of Elective	Department	Name of Preceptor	No. of students
Research Methodology – Hands-on Workshop	Community Medicine	Dr. Aditi Aikat Dr. Nirmal Kumar Mandal Dr. Debayan Mallik Dr. Satabdi Mitra Dr. Samarendra Biswas Dr. Subhajoy Moitra Dr. Sayeli Mitra Dr. Ria Mukherjee Dr. Satyabrata Maity Dr. Smita Dalui Dr. Upasana Poddar Dr. Arnab Bag Mr. Suman Ghosh	20
Qualitative Research using Focus Group Discussion (FGD)	Community Medicine	Dr. Aditi Aikat Dr. Nirmal Kumar Mandal Dr. Debayan Mallik Dr. Samarendra Biswas Dr. Subhajoy Moitra Dr. Sayeli Mitra	6

		Dr. Ria Mukherjee	
AI-Integrated IEC Material Development for Public Health	Community Medicine	Prof. Dr. Aditi Aikat Dr. Debayan Mallik Dr. Satabdi Mitra Dr. Subhajoy Moitra Dr. Sayeli Mitra Dr. Ria Mukherjee Dr. Smita Dalui	6

Elective 1: Research Methodology – Hands-on Workshop

Name of Block	Block 2
Name of Elective	Research Methodology – Hands-on Workshop
Location of hospital Lab or research Facility	Department of Community Medicine, JIMSH, Budge Budge
Name of internal preceptor(s)	Dr. Aditi Aikat Dr. Nirmal Kumar Mandal Dr. Debayan Mallik Dr. Satabdi Mitra Dr. Samarendra Biswas Dr. Subhajoy Moitra Dr. Sayeli Mitra Dr. Ria Mukherjee Dr. Satyabrata Maity Dr. Smita Dalui Dr. Upasana Poddar Dr. Arnab Bag Mr. Suman Ghosh
Name of external preceptor (if any)	Nil
Learning objectives of elective	1. Collect research data according to an approved protocol. 2. Accurately document data in electronic Case Record Forms (eCRFs). 3. Demonstrate the use of statistical software for basic data analysis. 4. Prepare a scientific abstract based on collected data. 5. Present the research findings before an academic audience.

Number of students that can be accommodated in this elective	20
Prerequisites for elective	Basic understanding of research methodology, data collection and biostatistics
Learning Resources for students	Departmental Research Guidelines ICMR Ethical Guidelines Research Methodology Manual Statistical Software Manual (SPSS/R)
List of activities in which the student will participate	• Participate in ongoing departmental research projects. • Collect and document data as per protocol. • Assist in data cleaning and management. • Perform basic statistical analysis under supervision. • Attend departmental research meetings. • Prepare a structured scientific abstract. • Present findings during departmental scientific sessions and, if feasible, at conferences.
Portfolio entries required	Laboratory/Field Notes Data Collection Sheets Statistical Analysis Worksheet Consent Forms (where applicable) Scientific Abstract
Log book entry required	Successful completion of posting with a " Meets Expectations " grading by the preceptor.
Assessment	Attendance Achievement of learning objectives Evaluation of logbook and portfolio Assessment of scientific presentation
Other comments	Students will be encouraged to contribute to conference presentations and manuscript preparation wherever feasible.

Elective 2: Qualitative Research using Focus Group Discussion (FGD)

Name of Block	Block 2
Name of Elective	Focus Group Discussion (FGD): Qualitative Research on the Mentor–Mentee Programme
Location of hospital Lab or research Facility	Department of Community Medicine, JIMSH, Budge Budge
Name of internal preceptor(s)	Dr. Aditi Aikat Dr. Nirmal Kumar Mandal Dr. Debayan Mallik Dr. Samarendra Biswas Dr. Subhajoy Moitra Dr. Sayeli Mitra Dr. Ria Mukherjee
Name of external preceptor (if any)	Nil
Learning objectives of elective	1. Understand the principles of qualitative research. 2. Learn the methodology of conducting Focus Group Discussions (FGDs). 3. Conduct an FGD under faculty supervision. 4. Perform qualitative data coding and thematic analysis. 5. Prepare a qualitative research report and present findings.

Number of students that can be accommodated in this elective	6
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Name of Block	Block 2
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Prerequisites for elective	Basic knowledge of Research Methodology Laptop computer Word processing software
Learning Resources for students	Departmental Research Manual ICMR Research Guidelines WHO Qualitative Research Manual Recommended literature on qualitative research
List of activities in which the student will participate	• Develop FGD guide. • Conduct Focus Group Discussion. • Record and transcribe interviews. • Perform coding and thematic analysis. • Prepare qualitative research report. • Present findings during departmental seminar.
Portfolio entries required	FGD Guide Transcript Coding Sheets Thematic Analysis Report Presentation Slides
Log book entry required	Successful completion of posting certified by institutional preceptor.
Assessment	Attendance Completion of portfolio Logbook verification Presentation of findings
Other comments	Students will gain hands-on exposure to qualitative research methodology applicable to public health research.

Elective 3: AI-Integrated IEC Material Development for Public Health

Name of Elective	AI-Integrated IEC Material Development for Public Health
Location of hospital Lab or research Facility	Department of Community Medicine, JIMSH, Budge Budge
Name of internal preceptor(s)	Prof. Dr. Aditi Aikat Dr. Debayan Mallik Dr. Satabdi Mitra Dr. Subhajoit Moitra Dr. Sayeli Mitra Dr. Ria Mukherjee Dr. Smita Dalui
Name of external preceptor (if any)	Nil
Learning objectives of elective	1. Understand the principles of Information, Education and Communication (IEC) in public health. 2. Learn the ethical use of Artificial Intelligence for health communication. 3. Design evidence-based IEC materials using AI-assisted tools. 4. Critically evaluate AI-generated content for scientific accuracy and ethical compliance. 5. Develop multimedia IEC resources suitable for community outreach and health promotion.
Number of students that can be accommodated in this elective	6
Prerequisites for elective	Basic computer skills Laptop with internet connectivity Basic understanding of public health concepts
Learning Resources for students	National Health Program IEC materials Ministry of Health & Family Welfare IEC Guidelines WHO Health Promotion Resources AI tools (ChatGPT, Gemini, Canva AI, Microsoft Designer, Gamma, Napkin AI, etc.)
List of activities in which the student will participate	 • Identify a priority public health topic. • Review scientific evidence. • Develop AI prompts for IEC generation. • Create posters, brochures, infographics and social media content. • Prepare health education videos or presentations. • Validate content with faculty.

	• Present IEC package before peers and faculty.
Portfolio entries required	AI Prompt Logbook Draft IEC Materials Faculty Validation Checklist Final IEC Package Reflection Note
Log book entry required	Successful completion of posting with satisfactory faculty certification.
Assessment	Attendance Quality and scientific accuracy of IEC materials Creativity and innovation Ethical use of AI Presentation and viva voce
Other comments	Students will be encouraged to develop AI-assisted IEC materials suitable for use in national health programmes and community outreach activities.

ELECTIVE BLOCK 2			
Name of Elective	Department	Name of Preceptor	No. of students
Radiology	Radio Diagnosis	1. Dr SP Basu 2. Dr Soma Sekhar Dhavala 3. Dr Shwetha Kothari 4. Dr. Rahul Singla 5. Dr. Nilanjan Mukherjee 6. Dr. Aishee Mukherjee 7. Dr Shwetank Singh	10

Elective 1: Radiology

Name of Block	Block 1
Name of Elective	Radiology
Location of hospital Lab or research facility	Department of RADIOLOGY, JIMSH, Kolkata
Name of internal preceptor(s)	1. Dr SP Basu 2. Dr Soma Sekhar Dhavala 3. Dr Shwetha Kothari 4. Dr. Rahul Singla 5. Dr. Nilanjan Mukherjee 6. Dr. Aishee Mukherjee 7. Dr Shwetank Singh
Name of external preceptor (if any)	NIL
Learning objectives of elective	To know about radiology as a medical discipline
Number of students that can be accommodated in this elective	10
Prerequisites for elective	Availability in the department from 09.00 AM to 05.00 PM
Learning Resources for students	Text books on radiology for undergraduates. Youtube
List of activities in which the student will participate	All radiology related work
Portfolio entries required	As per WBUHS regulations
Log book entry required	As per WBUHS regulations
Assessment	By the consultants in radiology department
Other comments	NIL

ELECTIVE BLOCK 2

Name of Elective	Department	Name of Preceptor	No. of students
Perioperative Management of Emergency General Surgery Case	General Surgery	Prof. S. K. Gupta Dr. Purnendu Paul	4
Perioperative Assessment of Inguinal Hernia Cases Risk factors, operative methods & complications	General Surgery	Prof. Sudev Saha Dr. Sayonika Pratihar	10
Clinical severity assessment and management of Acute Pancreatitis Case	General Surgery	Prof. Ujjwal Bhattacharya Dr. Somdeep Ghosh	5
Perioperative Management of Diabetic Foot Cases (Ulcer / Gangrene)	General Surgery	Prof. Swapan Choudhury Dr. Tanmoy Patra	10
Pre- Operative assessment and operative finding of difficult Gallstone disease	General Surgery	Prof. B. K. Chatterjee Dr. Ahsan Ulla	
Observation and management of Breast Lump Cases	General Surgery	Prof. Sekhar Chakraborty Dr. Suman Singh	10

Elective 1: Perioperative Management of Emergency General Surgery Case

Name of Block	Block 2
Name of Elective	Perioperative Management of Emergency General Surgery Case
Location of hospital Lab or research facility	Jagannath Gupta Institute of Medical Sciences & Hospital Budge Budge Kolkata 700137
Name of internal preceptor(s)	Prof (Dr) S K Gupta, Dr Purnendu Paul
Name of external preceptor (if any)	
Learning objectives of elective	Proper History and Clinical Examination of the Patient Who Has Attended Emergency / Opd with an Emergency Problem. To Enumerate Routine Preoperative Investigation Required to Confirm the Clinical Diagnosis Document and Follow the Preoperative Procedures Undertaken by A Resident for Management of the patient. To Document and Follow the Advice Regarding Management of Peri-Operative Fluid Administration And Intake Output Chart Of The Patient. Document and Learn to Inform Resident of The Immediate Changes In Patient's Condition. 6. Documentation and Following up The Demonstration of Taking Informed Consent by Resident. Including The Operation To Be Performed, Its Complications And Accessory Procedures Which Might Be Needed.
Number of students that can be accommodated in this elective	4
Prerequisites for elective	Knowledge regarding physiology & homeostasis mechanism of human body
Learning Resources for students	Short Practice of Surgery Bailey & Love's and Farquharson's operative surgery
List of activities in which the student will participate	Participate in all emergency calls to residents regarding surgical emergency. OP and IP rounds of such cases admitted in specific wards. document and follow up work up of such emergency patients. 4. Present pre and post-operative management of two emergency cases admitted. 5. Post op evaluation and document follow up advice by the faculty members of emergency surgery cases.
Portfolio entries required	Assignment provided
Log book entry required	Daily record of procedures followed and activities done in the emergency situation
Assessment	Attendance Regular check of the log book every 2nd day.
Other comments	

Elective 2: Perioperative Assessment of Inguinal Hernia Cases Risk factors, operative methods & complications

Name of Block	Block 2
Name of Elective	Perioperative Assessment of Inguinal Hernia Cases Risk factors, operative methods & complications
Location of hospital Lab or research facility	Jagannath Gupta Institute of Medical Sciences & Hospital Budge Budge Kolkata 700137
Name of internal preceptor(s)	Prof. Sudev Saha Dr. Sayonika Pratihari
Name of external preceptor (if any)	
Learning objectives of elective	To take proper history of a case of incisional hernia including previous operation details and total record of post-operative period and hospital stay. To document preoperative investigations advised in a case of Incisional Hernia To document and follow protocol of management of existing comorbid conditions preoperatively To document and follow protocol of life style changes to be made in the patient pre operatively Document and follow the preoperative consultation and advice given to the patient and its relatives preoperatively Document the proper method of taking Informed Consent highlighting all the complications and needs for extra procedures in detail
Number of students that can be accommodated in this elective	10
Prerequisites for elective	1. Knowledge of Anatomy of Anterior abdominal wall and Anatomy of ventral hernias 2. Methods of documenting history and clinical examination of incisional hernia
Learning Resources for students	Clinical methods by S Das and Short practice of Surgery Bailey and Love's
List of activities in which the student will participate	1. Document history and associated risk factors that lead to incisional hernia 2. Counselling and following up the patient regarding the preoperative advice and essential life style changes in the patient as advised by the faculty members. 3. documenting and following up the patient regarding post-operative advice and medications 3. follow up of cases after 3 weeks
Portfolio entries required	document and record of all assignments provided 2. Records of two worked up cases already presented 3. Documentation of Self Directed Learning as summary of risk factors , preventive methods adopted and the reflection of patients seen.
Log book entry required	
Assessment	1. Attendance 2. regular follow up and check every week
Other comments	

Elective 3: Clinical severity assessment and management of Acute Pancreatitis Case

Name of Block	Block 2
Name of Elective	Clinical severity assessment and management of Acute Pancreatitis Case
Location of hospital Lab or research facility	Jagannath Gupta Institute of Medical Sciences & Hospital Budge Budge Kolkata 700137
Name of internal preceptor(s)	Prof. Ujjwal Bhattacharya Dr. Somdeep Ghosh
Name of external preceptor (if any)	
Learning objectives of elective	1. History and clinical examination of the patient admitted with the suspected diagnosis of acute pancreatitis. 2. Preoperative investigations + Serum Amylase (first 24-48 hours), Lipase and others to confirm the diagnosis and find out the reason for acute pancreatitis. 3. Scoring System – document the patient's findings according to the 3 popular scores for predicting severity of disease. (RANSON Score, APACHE 2, BISAP score, CT severity score etc.) 4. treatment protocol of management. 5. documentation of radiological investigations needed and their results. 6. document and understand the protocol of management of complications
Number of students that can be accommodated in this elective	5
Prerequisites for elective	Knowledge regarding pathophysiology, management & complications of pancreatitis
Learning Resources for students	Short Practice of Surgery Bailey & Love's and clinical methods by S Das
List of activities in which the student will participate	Participate in OP and IP rounds Observe and document the advices and activities of residents and faculty members Observe the radiological investigations being done for the patient in department of radio diagnosis. Present management of two cases in front of the department members Follow up the patient for 3 weeks and keep a record of his life style changes.
Portfolio entries required	Assignment provided
Log book entry required	documentation of all activities observed and followed up of the particular patient on daily basis.
Assessment	Attendance Daily check of the log book by the concerned resident and once a week by unit in charge Presentation of the cases minimum 2 to the department as a PPT.
Other comments	

Elective 4: Perioperative Management of Diabetic Foot Cases (Ulcer / Gangrene)

Name of Block	Block 2
Name of Elective	Perioperative Management of Diabetic Foot Cases (Ulcer / Gangrene)
Location of hospital Lab or research facility	Jagannath Gupta Institute of Medical Sciences & Hospital Budge Budge Kolkata 700137
Name of internal preceptor(s)	Prof. Swapan Choudhury Dr. Tanmoy Patra
Name of external preceptor (if any)	
Learning objectives of elective	1. To understand what is gangrene. 2. To understand what is diabetic foot gangrene. 3. To be able to confirm diabetic gangrene by investigations. 4. To be able to understand protocol of management of co-morbid conditions 5. To understand severity of diabetes and follow protocol of management of blood sugar level 6. To understand different strategies of management of treatment of diabetic foot gangrene and keep a record. 7. Document the method of taking informed consent for debilitating surgery ie amputations and disarticulations 8. follow and understand the method of disposal of the excised organ in the operation theatre
Number of students that can be accommodated in this elective	10
Prerequisites for elective	Knowledge of Anatomy and Physiology of the lower Limb along with patho-physiology of diabetic vascular complications
Learning Resources for students	Short practice of Surgery Bailey and Love's , clinical method by S Das, working knowledge of treatment of diabetes as studied in pharmacology and medicine.
List of activities in which the student will participate	1. History and clinical examination of the patient. 2. detail examination of the limb involved along with the details of the ulcer. 3. Assessment of vascular status of lower limb of patient clinically 4. Observing Doppler examination of lower limbs blood vessels in radiology department and keeping a record. 5. keeping a daily photograph of development in the ulcer. 6. comparison of the 2 patients as per their blood glucose and HbA1c levels in relation to the development and progress of the ulcer. 7. keeping a record of modifiable life style problems in the patients. (smoking, obesity, hypertension)
Portfolio entries required	1. Document and record of all assignments provided 2. Records of two worked up cases already presented 3. Documentation of Self Directed Learning as-summary of risk factors , preventive methods adopted and the reflection of patients seen.
Log book entry required	
Assessment	1. Regular Attendance. 2. Presentation by PPT of 2 cases recorded and documented along with photographs in front of department of surgery 3. record of self-directed learning of diabetes and its complications.
Other comments	

Elective 5: Pre- Operative assessment and operative finding of difficult Gallstone disease

Name of Block	Block 2
Name of Elective	Pre- Operative assessment and operative finding of difficult Gallstone disease
Location of hospital Lab or research facility	Jagannath Gupta Institute of Medical Sciences & Hospital Budge Budge Kolkata 700137
Name of internal preceptor(s)	Prof. B. K. Chatterjee Dr. Ahsan Ulla
Name of external preceptor (if any)	
Learning objectives of elective	1. To understand what are difficult Gallstone disease. 2. To understand what are the assessments. 3. To be able to confirm Gallstone disease by investigations 4. To understand different strategies of management of treatment of Gallstone disease. and keep a record 5. Document the method of taking informed consent for debilitating surgery
Number of students that can be accommodated in this elective	10
Prerequisites for elective	Access & Port Placement Adhesiolysis Calot's Triangle Dissection Gallbladder Bed Dissection
Learning Resources for students	
List of activities in which the student will participate	1. Patient Demographics & History 2. Clinical Examination 3. Sonological Findings (Ultrasonography)
Portfolio entries required	1. Document and record of all assignments provided 2. Records of two worked up cases already presented 3. Documentation of Self Directed Learning as- summary of risk factors , preventive methods adopted and the reflection of patients seen.
Log book entry required	
Assessment	1. Regular Attendance. 2. Presentation by PPT of 2 cases recorded and documented along with photographs in front of department of surgery record of self-directed learning of diabetes and its complications.
Other comments	

Elective 6: Observation and management of Breast Lump Cases

Name of Block	Block 2
Name of Elective	Observation and management of Breast Lump Cases
Location of hospital Lab or research facility	Jagannath Gupta Institute Of Medical Sciences And Hospital
Name of internal preceptor(s)	Prof. Sekhar Chakraborty Dr. Suman Singh
Name of external preceptor (if any)	
Learning objectives of elective	1. History and Clinical Examination of Patients Presenting with Problems in Breast 2. Observe and Note Procedure of Radiological Examination of Cases of Breast Complaints-Usg/ Mammogram/ MRI 3. Observe and Note Procedure Of Tru-Cut Biopsy Of Breast Lump/Usg Guided FNAC. 4. Observe and Note Preparation of Biopsy/ Histopathology Specimen And Follow It Up For The Reports Including Ihc- Marker Identification. 5. Observe And Document The Plan Of Management Advised And Surgical Management If Undertaken. 6. Follow Up Of Each Case After 3 Weeks
Number of students that can be accommodated in this elective	10
Prerequisites for elective	Knowledge of anatomy and physiology and clinical examination of breast and Axilla.
Learning Resources for students	Clinical methods in surgery by s Das, short practice of surgery bailey
List of activities in which the student will participate	Attending Opd /Ipd to See Breast Lump Cases. To Attend Radiology Department To See Investigation Procedures Like Usg/Mammogram/MRI Observing Usg Guided FNAC / Trucut Biopsy Of Breast Lump In OT Attending Ot & Pathology To Observe Preparation Of Specimen For Hpe/Ihc – Study And Collecting Reports Document Planning By Oncologist & Surgeon (Team Work) Document and Follow Up Of Patients Receiving Neo Adjuvant Ct Followed By Surgery Or Surgery Followed By Chemotherapy Follow Up After 3 Weeks
Portfolio entries required	Assignment Provided
Log book entry required	
Assessment	1. Attendance 2. Log Book Entry Checked Regularly Every Week
	3. Assessment At Exit Period
Other comments	

ELECTIVE BLOCK 2			
Name of Elective	Department	Name of Preceptor	No. of students
Spinal Deformities and its management	Orthopaedics	Prof (Dr) U K Debnath/ Dr R Prasad/Dr Arnab Panda	5
Paediatric orthopaedics	Orthopaedics	Dr Sudip Deb/ Dr Asif Nadeem	5
Different types of Sports Injuries	Orthopaedics	Dr Amitava Sarkar/ Dr Pankaj Majumder	5
Orthopaedic post operative complications	Orthopaedics	Prof (Dr) Faiyaz khan/ Dr Debdutta Banerjee	5
Low Backpain	Orthopaedics	Dr Debasish Naskar/Dr Deep Ganguli	5

Elective 1: Spinal Deformities and its management

Name of Block	Block 2
Name of Elective	Spinal deformities and its management
Location of hospital Lab or research facility	JIMSH
Name of internal preceptor(s)	Prof (Dr) U K Debnath /Dr R Prasad/Dr Arnab Panda
Name of external preceptor (if any)	
Learning objectives of elective	Selection of patients, identify the causes, examination, preoperative preparations, surgical procedure, post operative Management and rehabilitation of different types of spinal deformities
Number of students that can be accommodated in this elective	5
Prerequisites for elective	Interest to pursue orthopaedics with special interest in spine.
Learning Resources for students	Campbell's operative orthopaedics
List of activities in which the student will participate	OPD, ward, OT
Portfolio entries required	Yes
Log book entry required	Yes
Assessment	At weekend
Other comments	

Elective 2: Paediatric orthopaedics

Name of Block	Block 2
Name of Elective	Paediatric orthopaedics
Location of hospital Lab or research facility	JIMSH
Name of internal preceptor(s)	Dr Sudip Deb/ Dr Asif Nadeem
Name of external preceptor (if any)	
Learning objectives of elective	To know about the incidence, different types of Congenital pediatric orthopaedic conditions, differences with adults, types of treatment and rehabilitation.
Number of students that can be accommodated in this elective	5
Prerequisites for elective	Active interest in children
Learning Resources for students	Rockwood Green fractures in children/ Tachdjians Pediatric Orthopaedics
List of activities in which the student will participate	Attendance in OPD, ward, OT
Portfolio entries required	Yes
Log book entry required	Yes
Assessment	Weekend
Other comments	

Elective 3: Different types of Sports Injuries

Name of Block	Block 2
Name of Elective	Different types of Sports Injuries
Location of hospital Lab or research facility	JIMSH
Name of internal preceptor(s)	Dr Amitava Sarkar / Dr Pankaj Majumder
Name of external preceptor (if any)	
Learning objectives of elective	Different patterns of sport injuries and basic principles of their management and rehabilitation.
Number of students that can be accommodated in this elective	5
Prerequisites for elective	Interest to pursue orthopaedics and basic anatomy knowledge of different ligaments and soft tissue attachments
Learning Resources for students	Anatomy, Campbell operative orthopaedics
List of activities in which the student will participate	OPD, Ward, OT
Portfolio entries required	Yes
Log book entry required	Yes
Assessment	Weekends
Other comments	

Elective 4: Orthopaedic post-operative complications

Name of Block	Block 2
Name of Elective	Orthopaedic post operative complications
Location of hospital Lab or research facility	JIMSH
Name of internal preceptor(s)	Dr Faiyaz khan/ Dr Debductta Banerjee
Name of external preceptor (if any)	
Learning objectives of elective	Different varieties of complications during orthopaedic surgeries and immediate post op period in Ortho ward, and how to manage them
Number of students that can be accommodated in this elective	5
Prerequisites for elective	Active interest in ortho surgery and basic knowledge of pathophysiology/etiology in different kinds of post-op complications.
Learning Resources for students	Campbell's operative orthopaedics, Rockwood & Green's fractures & joint injuries
List of activities in which the student will participate	Pt assessment in opd, ward. Presence in ot, post op management
Portfolio entries required	Yes
Log book entry required	Yes
Assessment	At weekend
Other comments	

Elective 5: Low Backpain

Name of Block	Block 2
Name of Elective	Low Backpain
Location of hospital Lab or research facility	JIMSH
Name of internal preceptor(s)	Dr Debasish Naskar/dr Deep Ganguli
Name of external preceptor (if any)	
Learning objectives of elective	Different causes of Low backache, prevalence in the community, problem statement, management, investigation, treatment and rehabilitation.
Number of students that can be accommodated in this elective	5
Prerequisites for elective	Active interest in the subject and knowledge of basic anatomy and physiology of nervous system.
Learning Resources for students	Campbell's operative orthopaedics, Rockwood & Green's fractures & joint injuries.
List of activities in which the student will participate	Pt assessment in opd, ward. Presence in ot, presence in physiotherapy department.
Portfolio entries required	Yes
Log book entry required	Yes
Assessment	At weekend
Other comments	

ELECTIVE BLOCK 2			
Name of Elective	Department	Name of Preceptor	No. of students
High Risk Pregnancy	Obstetrics & Gynaecology	Dr.M Mishra/Dr S Ghosh/Dr Prayash Roy	5-7
Exposure to Gynae Oncology service	Obstetrics & Gynaecology	Prof (Dr) N Jana/Dr S Barua/Dr S Bose	5
Infertility / role of MIS	Obstetrics & Gynaecology	Prof (Dr.) S K Saha /Dr P Chakraborty/Dr P Jaysingh	5-7

Elective 1: High Risk Pregnancy

Name of Block	Block2
Name of Elective	High Risk Pregnancy (medical & surgical)
Location of hospital Labor facility	Labour-room,2 nd stage,LROT,opd
Name of internal preceptor(s)	Dr.M Mishra/Dr S Ghosh/Dr Prayash Roy
Name of external preceptor (if applicable)	-
Learning objectives of elective	1. To obtain experience by observing High Risk pregnancy patients. 2. To observe &prepare High Risk pregnancy patients for delivery /C. Section 3. Counseling of couple regarding outcome of pregnancy. 4. To learn management by multidisciplinary team. 5. To optimize time of delivery. 6. To note neonatal outcome
Number of students that can be Accommodated in this elective	5-7
Pre requisites for elective	Good clinical practice Basic life support Basic suturing and first aid Necessary immunizations Universal precaution certification
Learning resources for students	Fernando Aria's high risk pregnancy.
List of activities of student participation	1. Work daily with a supervisor in observing &assisting procedures. 2. To document at least 5 procedures observed/assisted.
Portfolio entries required	1. Documentation of worked up cases
Log book entry required	Completion of posting signed by preceptor
Assessment	Formative: 1) Attendance 2) Day-to-day participation intradepartmental activity 3) Performance of assigned tasks
Other comments	-

Elective 2: Exposure to Gynae Oncology service

Name of Block	Block2
Name of Elective	Exposure to Gynae Oncology service
Location of hospital Labor facility	Gynaec OPD, OT, Gynaec preoperation and post operation ward
Name of internal preceptor(s)	Dr n jana/Dr s barua/dr s bose
Name of external preceptor (if applicable)	
Learning objectives of elective	1) The student will be able to discuss screening methods for gynaec malignancies like cancer cervix 2) Will be able to know the presentation, take relevant history and elicit signs of main gynaec malignancies – cervix ,endometrium and ovary 3) Will be able to discuss the investigations used to arrive at diagnosis 4) Will be able to communicate bad news to patient and family with empathy 5) Will be able to understand Multidisciplinary team management for gynaec malignancies 6) Will be able to discuss management of precancerous and cancerous lesions
Number of students that can be Accommodated in this elective	5
Pre requisites for elective	1) Should have an Interest in Womens health in general and gynaecological cancers in particular 2) should have a background understanding of the significance and epidemiology of the 3 main gynaecological cancers in India
Learning resources for students	Shaw's Textbook of Gynaecology Dutta's Textbook of Gynaecology
List of activities of student participation	1) take history from a patient with suspected/proven gynaec malignancy in Gynaec OPD/Ward-3 2) should do speculum and bimanual pelvic examination under supervision in Gynaec OPD/Ward -1 3) observe/assist-- pap smear/LBC screening for cervical premalignancy and malignancy in Gynaec OPD—1 4) should observe how diagnosis of malignancy and management options are communicated to the patient & family—1 5) observe/assist -- VIA and cervical biopsy with or without colposcopy-1 6) observe-Gynae onco MDT(Tumour Board)meeting with Oncologist and Pathologist-1 observe/assist--staging Laparotomy for gynaec malignancy-1
Portfolio entries required	1) visit at least one other department involved in care of gynaec malignancies—Daycare Chemotherapy unit/Oncology OPD/Treatment planning Room/Pathology Lab/Radiodiagnosis 2) opportunity to interact with Palliative Care team
Log book entry required	List of activities specified above to be signed off
Assessment	At the end of 2 weeks—15 minute Powerpoint presentation on a gynae onco topic of interest after discussion with supervisor
Other comments	1) Intoductory, midpoint and end of cycle meetings with the supervisor to check on progress Feedback Survey form to be filled and submitted

Elective 3: Infertility / MIS PROCEDURES

Name of Block	Block 2
Name of Elective	Infertility / role of MIS
Location of hospital Lab or research facility	OPD & IPD/OT
Name of internal preceptor(s)	Prof (Dr.) S K Saha /Dr P Chakraborty/Dr P Jaysingh
Name of external preceptor (if applicable)	-
Learning objectives of elective	1. To obtain experience by observing Infertility / minimal access surgery 2. To observe counseling of couple prior to procedure. 3. To be able to enumerate indications of procedure, steps of work up & procedure in OPD & IPD/OT.
Number of students that can be accommodated in this elective	5-7
Prerequisites for elective	Good clinical practice Necessary immunizations Universal precaution certification
Learning resources for students	Speroff's Clinical Gynecologic Endocrinology & Infertility
List of activities of student participation	1. Work daily with a supervisor in observing, assisting infertility/MIS. 2. To document at least FIVE procedures observed/assisted.
Portfolio entries required	1. Documentation of worked up cases
Log book entry required	Completion of posting signed by preceptor
Assessment	Formative: 1) Attendance 2) Day-to-day participation in departmental activity 3) performance of assigned tasks
Other comments	-

ELECTIVE BLOCK 2			
Name of Elective	Department	Name of Preceptor	No. of students
Effects of different factors on medical and nursing students having myopia	Ophthalmology	Dr. Soumya Kundu Dr. Tapes Kanti Saha	6
Screening of Diabetic Retinopathy among diabetics attending JIMSH OPD and IPD.	Ophthalmology	Dr. Madhura Mukherjee Dr. Soumya Kundu	6
Screening for Dry Eye Disease among HR department staffs and support staffs of JIMSH.	Ophthalmology	Dr. Nazneen Nazm Dr. Soumyadeep Hazra	6
Ocular Emergencies.	Ophthalmology	Dr. Nazneen Nazm Dr. Purban Ganguli	6

**Elective 1: Effects of different factors on
Medical and Nursing students having
myopia.**

Name of Block	Block 2
Name of Elective	Effects of different factors on Medical and Nursing students having myopia.
Location of hospital Lab or research facility	JIMSH, Budge Budge
Name of internal preceptor(s)	Dr. Soumya Kundu Dr. Tapes Kanti Saha
Name of external preceptor (if applicable)	Nil
Learning objectives of elective	1. To be able to approach and diagnose myopia. 2. To assess effects of various lifestyle among students with myopia. 3. To analyse statistical data.
Number of students that can be accommodated in this elective	6
Prerequisites for elective	- Permission from respective authorities. - Consent of the patients being examined.
Learning resources for students	Standard Textbooks, Departmental handbooks provided
List of activities of student participation	1. Vision recording 2. Recording of Refractive correction 3. Examination of ocular health and performing procedures to examine ocular health 4. Google Form to be created 5. Collection and Maintenance of Data
Portfolio entries required	Results of the screening of the said population to be entered.
Log book entry required	YES - Daily screening activities to be entered - Evaluation of the entries at the end of the posting by the preceptors.
Assessment	MCQs, Viva, Logbook Entry Evaluation.
Other comments	

**Elective 2: Screening of Diabetic
Retinopathy among diabetics attending
JIMSH OPD and IPD.**

Name of Block	Block 2
Name of Elective	Screening of Diabetic Retinopathy among diabetics attending JIMSH OPD and IPD.
Location of hospital Lab or research facility	JIMSH, Budge Budge
Name of internal preceptor(s)	Dr. Madhura Mukherjee Dr. Soumya Kundu
Name of external preceptor (if applicable)	Nil
Learning objectives of elective	1. To be aware of the importance of screening of diabetic retinopathy in all diabetics. 2. To be able to counsel patients for required investigations and available management options. 3. To be able to counsel the patients about outcome of the disease. 4. To be able to advice for lifestyle modification for patients.
Number of students that can be accommodated in this elective	6
Prerequisites for elective	Consent of the patients being examined. Basic knowledge about diabetic eye changes.
Learning resources for students	Standard UG textbooks, Scholarly articles from internet
List of activities of student participation	1. Recording of vision 2. Documentation of history and associated risk factors responsible for the condition. 3. Documentation of results of various examination findings and any investigation findings if performed. (eg Fundus picture, Fundoscopy changes, OCT scan findings etc) 4. Counselling the patients about treatment options and following up. 5. Analysis of the entered data.
Portfolio entries required	Results of the screening of the said population to be entered.
Log book entry required	YES -Daily documentation of the screening activities. -Evaluation of logbook entries by the preceptors at the end of the posting.
Assessment	MCQs, Viva/Practical, Logbook entry evaluation.
Other comments	

**Elective 3: Screening for Dry Eye Disease
among HR department staffs and support
staffs of JIMSH**

Name of Block	Block 2
Name of Elective	Screening for Dry Eye Disease among HR department staffs and support staffs of JIMSH
Location of hospital Lab or research facility	JIMSH, Budge Budge
Name of internal preceptor(s)	Dr. Nazneen Nazm Dr. Soumyadeep Hazra
Name of external preceptor (if applicable)	Nil
Learning objectives of elective	1. To be able to perform basic investigative procedures. 2. To assess effects of lifestyle among patients with dry eye. 3. To be able to counsel the patients and advice for lifestyle modifications.
Number of students that can be accommodated in this elective	6
Prerequisites for elective	Consent of the patients being examined. Basic knowledge about dry eye disease and various treatment options.
Learning resources for students	Departmental handbooks provided, Standard UG textbooks, OSDI scoring.
List of activities of student participation	1. Vision recording. 2. Documentation of associated risk factors responsible for dry eye disease. 3. Examination of ocular health to diagnose dry eye. 4. Performing investigative procedures required to diagnose dry eye and documentation of the findings. 5. Collection, maintenance and analysis of the data.
Portfolio entries required	Results of the screening in the said population to be entered.
Log book entry required	YES -Daily documentation of the screening activities. - Evaluation of the logbook entries by the preceptors at the end of the posting.
Assessment	Viva/Practical, MCQs, Logbook entry evaluation
Other comments	

Elective 4: Ocular emergencies

Name of Block	Block 2
Name of Elective	Ocular emergencies
Location of hospital Lab or research facility	
Name of internal preceptor(s)	Dr. Nazneen Nazm Dr. Purban Ganguli
Name of external preceptor (if applicable)	Nil
Learning objectives of elective	1. To be able to identify the emergency conditions. 2. To be able to assess and diagnose the condition from the findings. 3. To be able to counsel the patients about management options and complications. 4. To be able to communicate with patient and patients' attenders about the situation and treatment plans.
Number of students that can be accommodated in this elective	6
Prerequisites for elective	-Basic immunisation. -Basic knowledge about ocular emergency conditions. -Permission of EMO -Consent of the patient or patient's attender.
Learning resources for students	Standard UG textbooks, scholarly articles from internet
List of activities of student participation	1. Examination of patient and documentation of the findings. 2. Perform basic required procedures for diagnosis, under supervision. 3. Counselling of the patients and the attenders about the prognosis and treatment options available. 4. Following up of the patients and documentation of all findings on every follow up. 5. Maintenance and analysis of the documented data.
Portfolio entries required	Record keeping of cases seen and the procedures performed.
Log book entry required	YES - Daily documentation of the examination findings, ongoing treatment. - Evaluation of logbook entries by the preceptors at the end of the posting.
Assessment	Case presentation, Viva/Practical, OSCE, evaluation of logbook entries.
Other comments	

ELECTIVE BLOCK 2			
Name of Elective	Department	Name of Preceptor	No. of students
Clinical otology and micro ear surgeries	Otorhinolaryngology	Prof (Dr.)Subrata Mukhopadhyay/Dr. M. Banerjee/ Dr. Swagato Roy	5/6
Clinical rhinology and endoscopic surgery	Otorhinolaryngology	Prof (Dr.) Debasish Barman/ Dr. Anshu Chopra	5/6
Clinical laryngology and neck surgeries	Otorhinolaryngology	Prof (Dr.) Dr. S.K Ghosh/ Dr. Anirban Sarkar	5/6

**Elective 1: Clinical otology and micro ear
surgeries**

Name of Block	Block 2
Name of Elective	Clinical otology and micro ear surgeries
Location of hospital Lab or research facility	Hospital
Name of internal preceptor(s)	Prof (Dr.)Subrata Mukhopadhyay/Dr. M. Banerjee/ Dr. Swagato Roy
Name of external preceptor (if any)	
Learning objectives of elective	To learn ,examine, and treat patients with ear complaints under supervision of perceptor To learn and perform puretone audiometry under supervision of preceptor To learn handling of otomicroscope under supervision of perceptor
Number of students that can be accommodated in this elective	5/6
Prerequisites for elective	Basic knowledge ear diseases and handling of OPD instruments
Learning Resources for students	
List of activities in which the student will participate	Examine patients with ear complaints Perform minor OPD procedures Handling of otoscope and assisting ear surgeries
Portfolio entries required	No
Log book entry required	Yes
Assessment	Viva/ Practical
Other comments	

**Elective 2: Clinical rhinology and
endoscopic surgery**

Name of Block	Block 2
Name of Elective	Clinical rhinology and endoscopic surgery
Location of hospital Lab or research facility	Hospital
Name of internal preceptor(s)	Prof (Dr.) Debasish Barman/ Dr. Anshu Chopra
Name of external preceptor (if any)	
Learning objectives of elective	To learn ,examine, and treat patients with nose and paranasal sinuses complaints under supervision of preceptor To learn and perform diagnostic nasal endoscopy under supervision of preceptor To learn handling of OPD instruments
Number of students that can be accommodated in this elective	5/6
Prerequisites for elective	Basic knowledge Nose diseases
Learning Resources for students	
List of activities in which the student will participate	Examine patients with Nose and paranasal sinuses complaints Perform minor OPD procedures Handling of nasal endoscope and perform diagnostic nasal endoscopy
Portfolio entries required	No
Log book entry required	Yes
Assessment	Viva/ Practical
Other comments	

Elective 3: Clinical laryngology and neck surgeries

Name of Block	Block 2
Name of Elective	Clinical laryngology and neck surgeries
Location of hospital Lab or research facility	Hospital
Name of internal preceptor(s)	Prof (Dr.) Dr. S.K Ghosh/ Dr. Anirban Sarkar
Name of external preceptor (if any)	
Learning objectives of elective	To learn ,examine, and treat patients with throat and neck complaints under supervision of preceptor To learn and perform FOL under supervision of preceptor To learn handling of OPD instruments
Number of students that can be accommodated in this elective	5/6
Prerequisites for elective	Basic knowledge of throat diseases
Learning Resources for students	
List of activities in which the student will participate	Examine patients with throat and neck complaints Perform minor OPD procedures Handling of flexible laryngoscope Assist in throat and head and neck surgeries
Portfolio entries required	No
Log book entry required	Yes
Assessment	Viva/ Practical
Other comments	