



**N.K.P. Salve Institute of Medical Sciences & Research Centre and
Lata Mangeshkar Hospital**

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IMPLEMENTATION OF ELECTIVES

BLOCK 2

DEPARTMENT OF GENERAL MEDICINE

ELECTIVE MODULE: ISCHEMIC HEART DISEASE [I.H.D.]

CODE: Med 01

Number of student - 08

Name of Block	Block 2
Name of Elective	Ischemic heart disease [I.H.D.]
Location of hospital lab or research facility	Department of General Medicine, N.K.P. Salve Institute of Medical Sciences & Research Centre and Lata Mangeshkar Hospital
Learning objectives of the elective	<ol style="list-style-type: none">1. To describe& revise anatomy and physiology of Heart2. To describe & learn investigations used for evaluation of I.H.D.3. To describe & learn risk factors, etiology, types, clinical features, of I.H.D.4. To describe & learn management and complications of all types of IHD
Number of students that can be accommodated in this elective	08
Prerequisites for the elective	<ol style="list-style-type: none">1. Vaccination against Hepatitis B2. COVID Vaccination3. Knowledge of BLS
Learning resources for students	<ol style="list-style-type: none">1. Davidson's principles and practice of Medicine 23rd edition2. Harrison's principles of Internal Medicine 21st edition3. API
List of activities in which the student will participate	<ol style="list-style-type: none">1. Self-directed learning2. Syndicate seminar3. Case based discussion4. Group discussion5. Bed-side clinics6. Participate in MOPD, Cardiology OPD and IPD rounds7. Present at least two cases that are fully worked up in the teaching session8. Participate in patient education and multidisciplinary team meetings
Log book entry required	Yes
Assessment	<ol style="list-style-type: none">1. Continuous assessment in 15 days2. Logbook3 Attendance 4- MCQ

DEPARTMENT OF GENERAL MEDICINE**ELECTIVE MODULE: RENAL FAILURE****CODE: Med 02****Number of Students – 8**

Name of Block	Block 2
Name of Elective	Renal Failure
Location of hospital lab or research facility	Department of General Medicine, N.K.P. Salve Institute of Medical Sciences & Research Centre and Lata Mangeshkar Hospital
Learning objectives of the elective	<ol style="list-style-type: none">1. To provide care to patient of renal failure in a supervised environment in OPD & IPD2. To function effectively as a team member in a multi-disciplinary team managing patients renal failure3. To participate in counseling of patients regarding risk factors and Nephrotoxic drugs & etiology & clinical features of renal failure4. To describe the investigations needed for patients of renal failure.5. To describe& learn about management and complications of renal failure.
Number of students that can be accommodated in this elective	8
Prerequisites for the elective	<ol style="list-style-type: none">1. COVID Vaccination2. Knowledge of BLS3-Hepatitis –B Vaccination
Learning resources for students	<ol style="list-style-type: none">1. Davidson's principles and practice of Medicine 23rd edition2. Harrison's principles of Internal Medicine 21st edition3. API Textbook of Medicine
List of activities in which the student will participate	<ol style="list-style-type: none">1. Self-directed learning2. Syndicate seminar3. Case based discussion4. Group discussion5. Bed-side clinics6. Participate in MOPD and IPD& Dialysis ward rounds.7. Present at least two cases that are fully worked up in the teaching session8. Participate in patient education and multidisciplinary team meetings
Log book entry required	Yes
Assessment	<ol style="list-style-type: none">1. Continuous assessment in 15 days2. Logbook3. MCQ test & Attendance

DEPARTMENT OF GENERAL SURGERY

ELECTIVE MODULE: LAPAROSCOPIC SKILL DEVELOPMENT

CODE: Surg 01

Number of Students - 08

Name of block	Block 2
Name of elective	Laparoscopic Skill Development
Location of hospital lab or research facility	Department of General Surgery, N.K.P. Salve Institute of Medical Sciences & Research Centre and Lata Mangeshkar Hospital
Name of external preceptor (if any)	Dr. Prashant Bhowate, Care Hospital, Nagpur
Learning objectives of the elective	<ol style="list-style-type: none">1. To know the patho-physiology of Laparoscopic surgery2. To acquire the basic laparoscopic skill on endotrainer / simulator3. To observe laparoscopic surgery in operation theater4. To assist laparoscopic surgery in operation theater.
Number of students that can be accommodated in this elective	8
Pre requisites for the elective	Skill lab (available), Laparoscopic instrument
Learning resources for the students	Belly & Love, Text book of surgery, Principle of Laparoscopic surgery , E-books, Internets & Journals
List of activities in which the students will participate	Endotrainer Training, Depth perception, hand Eye coordination, Ergonomics of instruments, Maintains & Sterilization. To take the history of patients posted for laparoscopic surgery To assist in laparoscopic surgery
Portfolio entries required	Documentation of Endotrainer practice daily two hours for 7 days Documentation of the Laparoscopy cases observed in 05 cases
Logbook entry required	Compilation of the data in the posting & signed by the preceptor
Assessment	Attendance minimum 80% Skill achievement – depth perception hand eye coordination, transpiring of objects on Endotrainer.

DEPARTMENT OF GENERAL SURGERY

ELECTIVE MODULE: UPPER GI ENDOSCOPY

CODE: Surg 02

Number of student - 08

Block	2
Location	Department of General Surgery, N.K.P. Salve Institute of Medical Sciences & Research Centre and Lata Mangeshkar Hospital
Learning Objective	To learn basic concepts of endoscopy
Number of Students	8
Pre-requisite of Elective	Skills lab training
Learning Resource	1) Practical Gastrointestinal Endoscopy (The fundamentals) by Cotton and Williams 2) Atlas of Endoscopy with Narrow band imaging, Springer
List of Activities students can participate	1) History taking 2) Communication skills 3) Hands on training
Documentation in portfolio	5 Cases
Logbook entries	yes
Assessment	1) Percentage of Attendance 2) Viva voice
Feedback	-

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY**ELECTIVE MODULE: MATERNAL & FETAL MEDICINE****CODE: OBGY 01****Number of Students - 05**

Name of Block	Block 2
Name of Elective	Maternal & Fetal Medicine
Location of Hospital lab or Research facility	Department of Obstetrics And Gynaecology, N.K.P. Salve Institute of Medical Sciences & Research Centre and Lata Mangeshkar Hospital
Name of External preceptors	N/A
Learning Objectives of Elective	<ol style="list-style-type: none">1. To learn the screening for high risk pregnancy.2. To counsel the patient and relatives for high risk pregnancy.3. To learn the maternal & fetal surveillance in high risk pregnancy.4. To learn the workup and treatment of high risk pregnancy.
Number of students that can be accommodated in this elective	05
Prerequisites for elective	Hepatitis B and COVID Vaccination
List of activities of student participation	<ol style="list-style-type: none">1. Participation in OP & IP rounds.2. Participation in teaching sessions of the department.3. Present two cases during teaching session.4. Participate in patient education
Learning Resources	Textbook of Obstetrics- D.C. Dutta Fernando Aria's- Practical guide to High risk Pregnancy
Portfolio entries required	Documentation of experience of learning as reflection Case presentation

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

ELECTIVE MODULE: GYN ONCOLOGY

CODE: OBGY 02

Number of Students - 05

Name of Block	Block 2
Name of Elective	Gyn Oncology
Location of Hospital lab or Research facility	Department of Obstetrics And Gynaecology, N.K.P. Salve Institute of Medical Sciences & Research Centre and Lata Mangeshkar Hospital
Name of External preceptors	N/A
Learning Objectives of Elective	<ol style="list-style-type: none">1. Understand risk factors, clinical presentation of various gynecological cancers.2. To learn about various screening methods for Carcinoma cervix.3. To learn and demonstrate about pap's smear procedure under supervision.4. To understand the approach in a patient with Abnormal Pap's report.
Number of students that can be accommodated in this elective	5
Prerequisites for elective	Hepatitis B and COVID Vaccination
List of activities of student participation	<ol style="list-style-type: none">1. Participation in OP & IP rounds.2. Participation in teaching sessions of the department.3. Present two cases during teaching session.4. Participate in patient education
Learning Resources	Novak's Gynecology Textbook of Gynecology- D. C. Dutta
Portfolio entries required	Documentation of experience of learning as reflection Case presentation
Log book entry required	Minimum 2 case entries with full workup and treatment.
Assessment	Attendance – 75% is compulsory Formative: Demonstrate the pap' s smear technique under supervision Logbook & Portfolio entry complete

DEPARTMENT OF PEDIATRICS**ELECTIVE MODULE: PAEDIATRIC EMERGENCIES****CODE: Paeds 01****Number of students – 8**

Name of Block	Block 2
Name of Elective	Pediatric Emergencies
Location of hospital Lab or research facility	Department of Pediatrics, N.K.P. Salve Institute of Medical Sciences & Research Centre and Lata Mangeskar Hospital
Learning objectives of elective	<ol style="list-style-type: none">1. Management of unresponsive child2. Management of cardio respiratory arrest in children3. Identifying and Management of Respiratory distress in children.4. Identifying and Management of Shock in children5. Identifying and Management of Cardiac arrhythmia.6. Identifying and management of Choking7. Neonatal resuscitation
Number of students that can be accommodated in this elective	8
Prerequisites for elective	CPR training
List of activities of student participation	<ol style="list-style-type: none">1. BLS for infant and child on manikin2. Assess emergency signs and prioritize (PAT assessment triangle)3. Demonstrate the steps of inserting an IV cannula in a model4. Demonstrate the steps of inserting an interosseous line5. Perform Neonatal resuscitation on a manikin6. Perform NG tube insertion in a manikin7. Assess airway and breathing. Demonstrate the method of positioning of an infant & child to open airway in a simulated environment, administer oxygen using correct technique and appropriate flow rate8. Perform Heimlich manure9. Assess airway and breathing: perform assisted ventilation by Bag and mask ventilation10. Identify Cardiac rhythm abnormalities
Learning Resources	OP GHAI, Basic life support guidelines, pediatric advanced life support guidelines (SOP will be provided)
Portfolio entries required	Case based emergency management (5)
Logbook entry required	Satisfactory completion of posting by preceptor
Assessment	FORMATIVE ASSESEMENT Student must score at least 75%

DEPARTMENT OF ANAESTHESIOLOGY**ELECTIVE MODULE: AIRWAY MANAGEMENT****CODE: Anesth 01****Number of Students- 15**

Name of Block	Block 2
Name of Elective	Airway Management
Location of hospital lab or research facility	Department of Anaesthesiology, N.K.P. Salve Institute of Medical Sciences & Research Centre and Lata Mangeshkar Hospital
Name of external preceptor (if any)	-
Learning objectives of the elective	<ol style="list-style-type: none">1. To understand the basic anatomy of upper & lower airway.2. To understand the various type of respiration e.g Spontaneous, assisted and control etc.3. To have ability to identify Patent and obstructed airway.4. To perform various method to maintain airway e.g Head tilt, chin lift and Jaw thrust .5. Identification and understanding of various airway devices e.g oropharangeal airway, nasopharangeal airway.6. To perform placement of various airway devices e. g oropharangeal airway, nasopharangeal airway .7. To understand the various parts and function of face mask and Ambubag .8. To perform mask holding (C&E technique) & bag ventilation with precaution.9. Understanding suction machine & it's use.10. Maintenance of upper airway independently.
Number of students that can be accommodated in this elective	15
Prerequisites for elective	Ability to wear gloves & received necessary immunisation.
Learning resources for students	Miller book of Anaesthesiology 9 th edition , Handbook of Barash , Handbook of Rashid Khan Airway Management
List of activities in which the student will participate	<ol style="list-style-type: none">1. Provide patient care under the supervision of a concerned Anaesthesiologist.2. Assist in procedures in operating room.
Portfolio entries required	Daily log of stepwise control of pt.'s airway. Atleast 2 fully worked up pt. to be documented.
Log book entry required	Satisfactory completion of posting by internal preceptor co-signed by institutional preceptor.
Assessment	<ul style="list-style-type: none">- Attendance- Successful verification of required portfolio entries- Successful completion of the posting as certified in log book with a meet expectation M grade.
Others	=

DEPARTMENT OF ANAESTHESIOLOGY

ELECTIVE MODULE: EMERGENCY MANAGEMENT OF PATIENT OF POLYTRAUMA

CODE: EM 01

Number of Students- 05

Name of block	Block 2
Name of elective	Emergency management of patient of polytrauma
Location of hospital lab or research facility	Department of Anaesthesiology, N.K.P. Salve Institute of Medical Sciences & Research Centre and Lata Mangeshkar Hospital
Name of external preceptors	
Learning objectives of elective	<ol style="list-style-type: none">1. Initial assessment of polytrauma patient2. Cardiopulmonary resuscitation3. Primary assessment (a,b,c,d,e)4. Secondary assessment5. Investigations (radiological, hematological)6. Volume resuscitation7. Adjuncts intervention
Number of students that can be accommodated in this elective	05
Prerequisites for electives	They should have attended skills training module conducted by department of anaesthesia in 2 nd MBBS
Learning resources for students	ATLS handbook
List of activities of student participation	<ol style="list-style-type: none">1. Work daily with a supervisor in observing, assisting in trauma management2. Participate in departmental activities3. Present at least 2 cases seen by students as a case work up
Portfolio entries required	<ol style="list-style-type: none">1. Documentation of treated cases2. Documentation of presentation done
Log book entry required	Completion of posting signed by preceptor with a “meets expectation” (M) grade
assessment	Formative: attendance, day to day participation in departmental activity, performance of assigned task and presentation of worked up cases in department
Other comments	NIL

DEPARTMENT OF RESPIRATORY MEDICINE

ELECTIVE MODULE: PFT (PULMONARY FUNCTION TEST)

CODE: Res - Med - 01
Number of students – 05

Name of the Block	Block 2
Name of the Elective	PFT – Pulmonary function test
Location of Hospital	Department of Respiratory Medicine, N.K.P. Salve Institute of Medical Sciences & Research Centre and Lata Mangeshkar Hospital
Learning Objectives of the Elective-	a) To understand the indications for performing PFT b) To understand the maneuver for performing PFT c) To get hands on experience on performing PFT under supervision. d) To be able to read the PFT reports and diagnose obstructive and restrictive Lung diseases
Number of students to be accommodated	5 students
Pre requisite for elective	Knowledge of physiology of Lung (Lung volumes& capacities). Knowledge of various obstructive & restrictive lung diseases.
List of activities of student participation	a) History taking and respiratory system examination to diagnose obstructive lung diseases. b) Learn the technique of performing PFT. c) Participate in performing spirometry and BDR
Learning resources	Pulmonary function tests handbook Dr. Salil Bendre
Portfolio entries required	Case records of at least 10 patients
Logbook entries required	Details of case and PFT report
Assessment	a) Attendance b) DOPS for performing PFT and reading PFT report c) Successful completion of posting and Logbook entries with M-Grade
Other comments	Nil

DEPARTMENT OF RESPIRATORY MEDICINE

ELECTIVE MODULE: BRONCHOSCOPY

CODE: Res – Med 02
Number of students – 05

Name of the Block	Block 2
Name of the Elective	Bronchoscopy
Location of Hospital	Department of Respiratory Medicine, N.K.P. Salve Institute of Medical Sciences & Research Centre and Lata Mangeshkar Hospital
Name of the External Preceptor	NA
Learning Objectives of the Elective-	a) To understand the indications for performing Bronchoscopy b) To be able to prepare patient for Bronchoscopy c) To be able to identify various bronchopulmonary segments during procedure. d) To be able to assist in Bronchoscopy
Number of students to be accommodated	5 students
Pre requisite for elective	Knowledge of Anatomy of lung & various bronchopulmonary segments
List of activities of student participation	a) History taking and respiratory system examination to diagnose obstructive lung diseases. b) Learn the technique of performing Bronchoscopy c) Assist in Bronchoscopy
Learning resources	Textbook of flexible Bronchoscopy Atul Mehta
Portfolio entries required	Case records of at least 10 patients in detail.
Logbook entries required	Details of case of Bronchoscopy report.
Assessment	a) Attendance b) DOPS for identify various c) Successful completion of Logbook with M-Grade
Other comments	Nil

DEPARTMENT OF OTORHINOLARYNGOLOGY

ELECTIVE MODULE: AUDIOLOGY

CODE: ENT 01

Number of Students – 05

Name of the Block	Block 2
Name of the Elective	Audiology
Location of Hospital	Department of Otorhinolaryngology, N.K.P. Salve Institute of Medical Sciences & Research Centre and Lata Mangeshkar Hospital
Learning Objectives of the Elective-	<ul style="list-style-type: none">a) To understand the mechanism of hearingb) To understand the functions of Pure Tone Audiometerc) To get hands on experience on performing Audiometry under supervisiond) To be able to read the Audiogram and diagnose the type and degree of deafness.
Number of students to be accommodated	5 students
Pre requisite for elective	Knowledge of Anatomy and Physiology of Human Ear.
List of activities of student participation	<ul style="list-style-type: none">a) History taking and Ear Examination to diagnose the Ear Disease and Deafness.b) Participate in performing Tuning Fork Test.c) Learn the technique of Pure Tone Audiometry.d) Participate in performing Impedance Audiometry and Otoacoustic emission.
Learning resources	Hand Book of Audiology
Portfolio entries required	Case records of at least 5 patients
Logbook entries required	Details of case and Audiometry report
Assessment	<ul style="list-style-type: none">a) Attendanceb) DOPS for performing Audiometry and reading Audiogramc) Successful completion of posting and Logbook entries with M-Grade
Other comments	Nil

DEPARTMENT OF OTORHINOLARYNGOLOGY

ELECTIVE MODULE: ENDOSCOPIES IN ENT

CODE: ENT 02

Number of Students – 05

Name of the Block	Block 2
Name of the Elective	Endoscopies in ENT
Location of Hospital	Department of Otorhinolaryngology, N.K.P. Salve Institute of Medical Sciences & Research Centre and Lata Mangeshkar Hospital
Name of the External Preceptor	-
Learning Objectives of the Elective-	a) To get acquainted with various types of Endoscopies performed in ENT. b) To be able to assist the ENT Surgeon during Endoscopies. c) To observe and study the Endoscopy pictures of Nose, Ear & Larynx d) To understand the Indicators for performing ENT Endoscopies.
Number of students to be accommodated	5 students
Pre requisite for elective	a) Knowledge of Anatomy and Physiology of Paranasal sinus, Ear & Larynx. b) Knowledge of various diseases of Ear, Nose & Larynx.
List of activities of student participation	a) To held in making pre-operative preparation for Endoscopy. b) Counseling of the patient and consent. c) To learn the techniques of diagnostic Nasal endoscopy, Otomicroscopy and 70° Laryngoscopy. d) To assist Surgeon for Endoscopies.
Learning resources	Atlas of various ENT Endoscopy like Nasal, Ear & Larynx
Portfolio entries required	Case records of at least 2 endoscopies each.
Logbook entries required	Satisfactory completion of posting by preceptor.
Assessment	a) Attendance b) Successful verification of Portfolio entries c) Successful completion of Logbook with M-Grade
Other comments	Nil

DEPARTMENT OF OPHTHALMOLOGY

ELECTIVE MODULE: OCULAR DIAGNOSTICS: A THIRD EYE

CODE: Ophthal 01

Number of Student-05

Name of Elective	Block 02
Location of hospital lab or research facility	Department of Ophthalmology, N.K.P. Salve Institute of Medical Sciences & Research Centre and Lata Mangeshkar Hospital
Name of external preceptor (if any)	Nil
Learning objectives of the elective	<ol style="list-style-type: none">1. To understand the role of technology enabled equipments in the Ophthalmology clinic2. To "see the unseen" using various Hi-tech and recent Ophthalmic equipment in Eye OPD3. To understand role of diagnostic modalities for the management of ocular conditions4. To provide mentorship for students interested in a career in Ophthalmology
Number of students that can be accommodated in this elective	05
Pre requisites for the elective	Existing Ophthalmology OPD Set up
Learning resources for students	Diagnostics in Ocular Imaging, Parson's Diseases of the Eye
List of activities in which the student will participate	Students will become familiar with specialized Ophthalmic diagnostic equipment Students will observe equipment used for refraction, Lens power estimation before cataract surgery, Glaucoma and Retina work-up Students will have Hands-on experience on selected patients (Psychomotor Skill development)
Portfolio entries required	Daily log of at least 5 learned procedure
Logbook entry required	Details of learned procedure along with number of patients seen and procedure performed
Assessment	Clinical skills achieved regarding various ophthalmic diagnostic modalities will be checked using a quiz
Other comments	Modern Ophthalmology management is technology enabled and fascinating

DEPARTMENT OF OPHTHALMOLOGY

ELECTIVE MODULE: OPHTHALMIC PHOTOGRAPHER COURSE

CODE: Ophthal 02
Number of Student-05

Name of the Block	Block 2
Name of Elective	Ophthalmic Photographer Course
Location of hospital lab or research facility	Department of Ophthalmology, N.K.P. Salve Institute of Medical Sciences & Research Centre and Lata Mangeshkar Hospital
Name of external preceptor (if any)	N/a
Learning objectives of the elective	<ul style="list-style-type: none">▪ To understand medical photography dedicated to the study and treatment of disorders of the eye▪ To learn external eye photography using a smart phone▪ To learn fundus photography using a smart phone▪ To understand “artifacts” in Photography▪ To evaluate the role of photography in Tele Ophthalmology
Number of students that can be accommodated in this elective	5
Prerequisites for the elective	Android mobile phone / I Phone / Smart phones Volk- vista view for Tele- ophthalmology
Learning resources for students	Ophthalmic Imaging Chrisly p. Sissors
List of activities in which the student will participate	<ul style="list-style-type: none">▪ Assist in taking clinical photographs▪ Take good clinical photographs of patients▪ Co-relate it with clinical finding▪ Make a probable diagnosis▪ Counsel the patient
Portfolio entries required	Daily Log of at least 10 anterior segments and 5 posterior segments photos
Logbook entry required	Clinical photographs taken
Assessment	Verification of portfolio entries attendance 80% Logbook verification
Other comments	Make a case report for image publication with a good clinical photograph

DEPARTMENT OF PSYCHIATRY

ELECTIVE MODULE: ELECTROCONVULSIVE THERAPY

CODE: Psy 01

Number of Students – 05

Name of Block	Clinical
Name of Elective	Electroconvulsive Therapy
Location of hospital lab or research facility	Department of Psychiatry, N.K.P. Salve Institute of Medical Sciences & Research Centre and Lata Mangeshkar Hospital
Learning objectives of the elective	<ol style="list-style-type: none">1. To describe indications2. To describe ECT procedure3. To describe contraindications of ECT4. To describe adverse effects of ECT
Number of students that can be accommodated in this elective	5
Prerequisites for the elective	<ol style="list-style-type: none">1. COVID Vaccination
Learning resources for students	<ol style="list-style-type: none">1. Kalpan& Sadock's Synopsis of Psychiatry
List of activities in which the student will participate	<ol style="list-style-type: none">1. Self-directed learning2. Case based discussion3. Group discussion4. Bed-side clinics5. Participate in OPD and IPD rounds6. Present at least two cases that are fully worked up in the teaching session7. Participate in patient education and multidisciplinary team meetings
Log book entry required	Yes
Assessment	<ol style="list-style-type: none">1. Logbook2. MCQ test

DEPARTMENT OF ORTHOPEDICS

ELECTIVE MODULE: WOUND DRESSING

CODE: Ortho 01
Number of students - 05

Name of Block	Block2
Name of Elective	Wound Dressings
Location of hospital Labor research facility	Department of Orthopedics, N.K.P. Salve Institute of Medical Sciences & Research Centre and Lata Mangeshkar Hospital
Name of external preceptor if applicable	N/A
Learning objectives of elective	1.To perform wound dressing by proper sterile Technique in a supervised environment
Number of students that can Be accommodated in this elective	5
Prerequisites for elective	COVID19 vaccination.
List of activities of student participation	1. Participate in O.P.&I.P. rounds 2. Participate in care of patients inwards 3. Perform wound dressings in a supervised environment
Learning Resources	
Portfolio entries required	Assignments provided To demonstrate the following wound dressing under supervision using proper sterile technique. a) Open wound dressing b) Pin treat dressing
Log book entry required	Satisfactory completion with Expectation M grade.
Assessment	Attendance Formative: Participation in OP &IP rounds Documentation of Attendance& required Portfolio &logbook entries
Other comments	

DEPARTMENT OF ORTHOPEDICS

ELECTIVE MODULE: SPLINTING AND FRACTURES

CODE: Ortho - 02

Number of students - 05

Name of Block	Block 2
Name of Elective	Splinting and Fractures
Location of hospital research facility	Department of Orthopedics, N.K.P. Salve Institute of Medical Sciences & Research Centre and Lata Mangeshkar Hospital
Name of external preceptor if Applicable	N/A
Learning objectives of elective	<ol style="list-style-type: none">1. To Provide care for patients with fractures in Supervised environment.2. To function effectively for splinting and post splinting care.3. To counsel patients for splinting and their outcomes.
Number of students that can Be accommodated in this elective	5
Prerequisites for elective	COVID certificate.
List of activities of student participation	<ol style="list-style-type: none">1. Participate in OP & IP rounds.2. Participate in afternoon teaching session in department.3. Demonstrate at least two splinting techniques.4. To learn about different splints and splinting material in emergency and elective.
Learning Resources	
Portfolio entries required	Assignments provided To apply splints. Documentation of learning as summery & self reflection.
Log book entry required	
Assessment	Attendance Formative: Participation in OP & IP rounds & term activity.& logbook entries
Other comments	

DEPARTMENT OF RADIO- DIAGNOSIS

ELECTIVE MODULE: RADIO- DIAGNOSIS

Code: Radio 01
Number of Student - 10

Name of Block	Block 2
Name of elective	Radio diagnosis
Location of hospital/lab or research facility	Department of Radio-Diagnosis, N.K.P. Salve Institute of Medical Sciences & Research Centre and Lata Mangeshkar Hospital
Name of external preceptor	N/A
Learning objective of elective	<ol style="list-style-type: none">1. To define radiation and the interaction of radiation and importance of radiation protection.2. To identify various radiological equipment's in current era.3. to enumerate indications for various common radiological investigations4. to acquire knowledge of various common radiological investigations, and to choose the most appropriate and cost effective method and interpret findings in common conditions pertaining to disorder of OBGYN, medicine, surgery, paediatrics, orthopaedics, ENT and ophthalmology5. To identify structures seen on plain chest x-ray, abdomen, skull, spine, PNS.6. To identify and describe in brief barium swallow, barium meal, barium enema, intravenous urography, hysterosalpingography, micturating cystourethrogram and retrograde urethrogram.7. To describe and identify the anatomical route used for carotid angiogram and vertebral angiogram.8. To describe and identify the cross section at the level of thoracic and lumbar spine and pelvis on CT scan and MRI.9. To demonstrate preparation of patient for common imaging procedures10. To enumerate the indication for and interpret the report for ultrasonography.11. To interpret chest radiograph and recognise cardiomegaly and pleural effusion.12. To interpret Xray of paranasal sinuses and mastoid and/or use written report in case of management.13. To interpret CXR in foreign body aspiration and lower respiratory tract infections, understand the significance of thymic shadow in paediatric chest x-ray.

DEPARTMENT OF RADIO- DIAGNOSIS
ELECTIVE MODULE: RADIO- DIAGNOSIS

Code: Radio 01
Number of Student - 10

	14. To identify the bones and joints of upper limb seen in anteroposterior and lateral view radiographs of shoulder region, arm, elbow, forearm, hand, pelvis, thigh, leg, ankle, foot. 15. To describe the role of emergency radiology, miscellaneous and applied aspects and interaction with clinical departments. 16. To describe the effects of radiation in pregnancy and the methods of prevention, minimisation of radiation exposure. 17. To describe components of PCPNDT Act and its medicolegal implications 18. To describe the role of interventional radiology in common clinical conditions.
Number of students that can be accommodated in this elective	10
Prerequisites for elective	N/A
Learning resources for students	All radiological modalities with faculty and junior residents.
List of activities of student participation	Work daily with junior residents in observing and assisting radiological procedures
Portfolio entries required	Documentation of reported cases
Log book entry required	Completion of posting signed by preceptor with a “meets expectation ‘(M)’ grade”
Assessment	Formative: attendance; day-to-day participation in departmental activity; performance of assigned tasks in the department.
Other comments	NIL

DEPARTMENT OF DERMATOLOGY, VENEROLOGY AND LEPROSY

ELECTIVE MODULE: DERMATOLOGY

CODE: DVL 01

Number of Students – 05

Name of Block	Block 2
Name of Elective	Dermatology
Location of hospital lab or research facility	Department of Dermatology, Venerology And Leprosy, N.K.P. Salve Institute of Medical Sciences & Research Centre and Lata Mangeshkar Hospital
Learning objectives of the elective	a) Exposure to Clinical Dermatology b) Exposure to dermatological procedure
Number of students that can be accommodated in this elective	05
Prerequisites for the elective	Knowledge of Anatomy of skin and lesionology
Learning resources for students	History taking cutaneous examination, understanding different morphologies Diagnosis of common skin condition. Patient care in wards.
List of activities in which the student will participate	Skin Disease & Sexually transmitted infections by Dr. Uday Khopkar, Davidson's Principles & practices of Medicine Text book of Davidson, Harrison's text book of internal medicine.
Log book entry required	Yes
Assessment	Attendance, Participation in OPD & IPD rounds & activities. Entry of patients in log book. Presentation of cases. Observation of basic Procedures. Aesthetic Procedures – Laser therapy entry of which will be done in the log book.
Other comments	Nil