

General Surgery Electives 2023 Batch MBBS

SNo	Name of Elective	Name of Preceptor	No of students
1	Care of patients with tube thoracostomy after blunt trauma to the chest	Dr Renija	2
2	Postoperative management of thyroidectomy	Dr Tinu	2
3	Assessment & monitoring of surgical site infections after emergency surgery	Dr Jithin	2
4	Care of central lines & management of complications	Dr Sethu	2
5	Post operative pain management in elective surgery	Dr Sumin . V. S	2
6	Blood transfusions in surgery	Dr Arun Joseph	2
7	Suture removal and post-op wound care in elective surgery	Dr Swaroop	2
8	Blunt trauma abdomen. ICU care	Dr Mrudul	2
9	Post operative fluid management in elective surgery	Dr Aravind	2
10	Assessment of vascularity in diabetic foot	Dr Ranjith Cheriyan	2
11	Imaging findings and management outcomes of Head trauma patients attending Red zone Emergency department	Dr Ravindran. C	2
12	Basic surgical skill training in skill lab and its impact	Dr Ravindran. C	5

GSURG1

Name of Block	Block 2
Name of the elective GSURG1	Monitoring and management of blunt trauma chest with intercostal tube drainage
Location of hospital	General Surgery ward 4&5 and SICU
Name of the internal preceptor	Dr.Renija V T
Name of the external preceptor	Dr.Rajesh T.R
Learning objectives	<ol style="list-style-type: none"> 1. To study the clinical presentation of blunt trauma chest who needs intercostal tube drainage(ICD) 2. To learn immediate and follow up management of patients with ICD (Investigations and interpretation) 3. To understand the complications related to ICD. 4. To learn the importance of chest physiotherapy . 5. To learn the protocol and procedure of ICD tube drainage.
Number of students that can be accommodated in this elective	2
Prerequisites for elective	Knowledge about Blunt trauma chest and intercostal tube drainage
Learning resources for students	<ol style="list-style-type: none"> 1. Sabiston Text book of Surgery 21st edition. 2. Bailey and Love's short practice of surgery 27th edition.
List of activities of student participation	<ol style="list-style-type: none"> 1. Attend General Surgery ward(ward4&5) and SICU 2. Take case history ,examination and follow up of atleast 10 patients with blunt trauma chest managed with intercostal tube drainage. 3. To assist in the daily management of ICD tube . 4. Present topic 1 Blunt trauma chest 2 Intercostal tube drainage 5. Interpretation of CXR and clinical correlation post procedure in the immediate and follow up management in the ward.

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	6. To assist in the ICD removal procedure to learn how to prevent complications related to ICD tube removal.
Portfolio entries required	Documentation <ol style="list-style-type: none"> 1. Case reports of 10 patients with blunt trauma chest managed with ICD 2. Participation in the academic activities – At least 2 topic presentation 3. Management protocol of Blunt trauma chest with ICD 4. Reflective writing on the management of ICD tube management immediate and follow up period in the ward. 5. Final report of 10 patients including clinical ,imaging, correlation management and final report
Log book entry required	1.Cases seen – 10 per elective 2.Academic presentations made – 2 per elective 3.Assessment and follow up of 10 patients with blunt trauma chest with ICD management 4.Final report submission and presentation.
Assessment	1.Attendance 2.Assistance in the management of patients with blunt trauma chest with ICD 3.Topic presentations 4. Logbook
Other comments	75% attendance , with physical presence of at least 5 hrs /day is required for the successful completion of the elective

GSURG2

Name of Block	Block 2
Name of the elective	post operative management of thyroidectomy
Location of hospital	B operation theatre recovery room, surgery ICU, Post op ward 15
Name of the internal preceptor	Dr.Tinu Sasi
Name of the external preceptor	Dr.Ravindran.C
Learning objectives	<ol style="list-style-type: none"> 1. To study how to manage patients after thyroidectomy 2. To learn complications developing after thyroidectomy 3. To study how to manage complications after thyroidectomy
Number of students that can be accommodated in this elective	2
Prerequisites for elective	Knowledge about the steps in thyroidectomy and expected complications, both early and late complications
Learning resources for students	<ol style="list-style-type: none"> 1. Sabiston Text book of Surgery 21st edition. 2. Bailey and Love's short practice of surgery 27th edition.
List of activities of student participation	<ol style="list-style-type: none"> 1. Attend post operative ward and ICU 2. Take case history ,examination and follow up of 10 post thyroidectomy patients 3. To involve in the post operative care and management of complications after thyroidectomy 4.Present the final report on the followup and assessment of

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	thyroidectomy patients
Portfolio entries required	Documentation <ol style="list-style-type: none"> 1. Case reports of 10 patients undergone thyroidectomy 2. Participation in the academic activities – steps in thyroidectomy, post operative complications of thyroidectomy 3. Management protocol of post operative care for thyroidectomy patients 4. Reflective writing on post operative management of thyroidectomy patients 5. Final report of 10 patients including monitoring, assessment, evaluation, management and final report
Log book entry required	<ol style="list-style-type: none"> 1. Cases seen – 10 per elective 2. Academic presentations made 3. Assessment and follow up of 10 patients undergone thyroidectomy 4. Final report submission and presentation.
Assessment	<ol style="list-style-type: none"> 1. Attendance 2. Assistance in the post operative management of thyroidectomy 3. Topic presentations 4. Logbook
Other comments	75% attendance , with physical presence of at least 5 hrs /day is required for the successful completion of the elective

GSURG3

Name of Block	Block 2
Name of the elective	Assessment and monitoring of surgical site infections after emergency surgery
Location of hospital	General Surgery post-operative ward 15, Trauma ICU and SICU
Name of the internal preceptor	Dr.Jithin Joshy K
Name of the external preceptor	Dr.S.Sreekumar
Learning objectives	<ol style="list-style-type: none"> 1. To study the risk factors for the development of surgical site infections. 2. To understand the prevention and management of surgical site infections. 3. To understand the importance of antibiotic prophylaxis in prevention of surgical site infections.
Number of students that can be accommodated in this elective	2
Prerequisites for elective	Knowledge about the etiopathogenesis and management of surgical site infections, antibiotic prophylaxis and infection control protocol.
Learning resources for students	<ol style="list-style-type: none"> 3. Sabiston Text book of Surgery 21st edition. 4. Bailey and Love's short practice of surgery 27th edition.
List of activities of student participation	<ol style="list-style-type: none"> 7. Attend Post Operative ward 15 ,Trauma ICU and SICU 8. Take case history ,examination and follow up of at least 10 patients who underwent emergency surgery 9. To involve in the management of surgical site infections and antibiotic prophylaxis 10. Present topic on surgical site infections & Antibiotic Prophylaxis

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Portfolio entries required	<p>Documentation</p> <ol style="list-style-type: none"> 6. Case reports of 10 post operative wound infections in emergency surgeries performed 7. Participation in the academic activities – At least 2 topic presentation 8. Reflective writing on the monitoring and management of surgical site infections and antibiotic prophylaxis 9. Final report of 10 patients including clinical profile ,type of surgery performed, grade of surgical site infection and management
Log book entry required	<ol style="list-style-type: none"> 1.Cases seen – 10 per elective 2.Academic presentations made – 2 per elective 3.Assessment and follow up of 10 patients who underwent surgery 4.Final report submission and presentation.
Assessment	<ol style="list-style-type: none"> 1.Attendance 2.Assistance in the management of patients with surgical site infection 3.Topic presentations 4. Logbook
Other comments	75% attendance , with physical presence of at least 5 hrs /day is required for the successful completion of the elective

GSURG4

Name of Block	Block 2
Name of the elective	Central line care, monitoring and complications
Location of hospital	Surgery ICU, GMC, Thrissur
Name of the internal preceptor	Dr.Sethu T S
Name of the external preceptor	Dr.Santhosh.P.V
Learning objectives	<ol style="list-style-type: none"> 1. To learn the indications for central line 2. To study the relevant anatomy 3. To identify the complications and their management 4. To learn how to monitor a patient on central line 5. To learn the technique of insertion of central line
Number of students that can be accommodated in this elective	2
Prerequisites for elective	Knowledge about the basic anatomy of central veins and the way to access them
Learning resources for students	<ol style="list-style-type: none"> 1. Bailey and Love short practice of surgery 27th edition 2. Sabiston textbook of surgery 20th edition 3. Rosens emergency medicine 8th edition
List of activities of student participation	<ol style="list-style-type: none"> 1. Attend 2 SICU cases on central line 2. Take case history and follow up of patients with emergency and elective indications for central line 3. Attend central line insertion procedure in SICU 4. Learn to write procedural notes on central line insertion 5. Present one topic

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Portfolio entries required	Documentation <ol style="list-style-type: none"> 1. Case reports of 2 cases of central line access in surgical ICU 2. Reflective writing on visit to SICU 3. Report with pictures of procedural observances 4. Participation in the academic activities – At least 1 topic presentation
Log book entry required	<ol style="list-style-type: none"> 1. Cases seen – 5 per elective 2. Academic presentations made – 1 per elective 3. Follow up and complication related to central lines 4. Visit to SICU 5. Attendance during central line procedures
Assessment	<ol style="list-style-type: none"> 1. Attendance 2. Daily participation SICU activities 3. Topic presentation 4. presentation of case with central line
Other comments	75% attendance , with physical presence of at least 5 hrs /day is required for the successful completion of the elective

GSURG5

Name of Block	Block 2
Name of the elective	Post operative pain management in elective surgery patients
Location of hospital	General Surgery ward 15, SICU
Name of the internal preceptor	Dr.Sumin. V.S
Name of the external preceptor	Dr.Ravindran.C
Learning objectives	<ol style="list-style-type: none"> 6. To assess the severity of pain in a patient who underwent elective surgery. 7. To study about the multimodality approach in the management of pain 8. To study the different class of drugs used in the management of pain 9. To study the mechanism of action of drugs, routes of administration and changes in vitals that each drug make in human body. 10. To study different nerve block and anaesthesia technique in pain management.
Number of students that can be accommodated in this elective	2
Prerequisites for elective	Knowledge about mechanism of pain, assessment of pain ,different modalities used for analgesia ,drugs used and mechanism of action.
Learning resources for students	<ol style="list-style-type: none"> 5. Sabiston Text book of Surgery 21st edition. 6. Bailey and Love's short practice of surgery 27th edition.
List of activities of student participation	<ol style="list-style-type: none"> 11. Attend General Surgery post operative ward 15 , SICU . 12. Take case history ,examination , identify type of surgery he/she underwent, anaesthesia used for procedure, and follow up of atleast 10 patients who undergo elective surgery. 13. Assess pain using any of the standard assessment scale . 14. Identify different routes of administration of analgesic and monitor the changes of vitals happening. 15. Involve in managing pain in systematic manner and understand the multimodality approach . 16. Present topic 1) WHO Analgesic ladder 2) Nerve blocks 3) Different classes of drugs used.

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Portfolio entries required	Documentation 10. Case reports of 10 patients who undergo elective surgery. 11. Participation in the academic activities – At least 2 topic presentation 12. Management protocol of pain management as per WHO analgesic ladder. 13. Reflective writing on the management of pain and follow up period in the ward. 14. Final report of 10 patients including clinical ,type of surgery undergone, pain management and follow up of each case.
Log book entry required	1.Cases seen – 10 per elective 2.Academic presentations made – 2 per elective 3.Assessment and follow up of pain managet in 10 patients who underwent elective surgery 4.Final report submission and presentation.
Assessment	1.Attendance 2.Assistance in the management of pain in patients who undergo elective surgery. 3.Topic presentations 4. Logbook
Other comments	75% attendance , with physical presence of at least 5 hrs /day is required for the successful completion of the elective

GSURG6

Name of Block	Block 2
Name of the elective	Blood transfusions Types, checklist, monitoring , prevention and management of complication associated with blood transfusion
Location of hospital	General Surgery ward 4&5 , SICU, Blood Bank
Name of the internal preceptor	Dr. Arun Joseph.P
Name of the external preceptor	Prof Dr Haridas.T.V
Learning objectives	<ol style="list-style-type: none"> To identify the indications of blood and component transfusion To learn how a transfusion is performed To understand the storage requirements of various blood components To understand the safe transfusion practices and the importance of documentation To learn to identify and therefore prevent major transfusion mishaps
Number of students that can be accommodated in this elective	2
Prerequisites for elective	A solid understanding of the various types of blood groups, ABO typing, Rh grouping, other non ABO blood groups, basic understanding of pathology of transfusion reactions, ability to document legibly
Learning resources for students	<ol style="list-style-type: none"> Sabiston Text book of Surgery 21st edition. Bailey and Love’s short practice of surgery 27th edition. Ganong’s textbook of Physiology Guytons textbook of Physiology Harrison’s textbook of Internal Medicine
List of activities of student participation	<ol style="list-style-type: none"> Understand blood grouping and cross matching (blood bank) To learn to document a blood transfusion request. To document and to initiate a transfusion Monitoring of Vitals while transfusion is being performed To identify and ably assist in procuring blood to OT during massive transfusion requirements (intra op loss / trauma resuscitation)
Portfolio entries required	Documentation 1. Case reports of 10 patients with blood / component transfusion with regards to indication, monitoring and documentation

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	<ol style="list-style-type: none"> 2. Participation in the academic activities – At least 2 topic presentations 3. Massive transfusion protocol 4. Reflective writing on the management of transfusion reactions (if encountered during the elective)
Log book entry required	<ol style="list-style-type: none"> 1.Cases seen – 10 per elective 2.Academic presentations made – 2 per elective 3.Assessment and follow up of 10 patients with blood / component transfusion 4.Final report submission and presentation.
Assessment	<ol style="list-style-type: none"> 1.Attendance 2.Assisting the ward interns / residents / staff nurses in requesting / initiating / procuring / documenting / monitoring a patient with blood / component transfusions 3.Topic presentations 4. Logbook
Other comments	<p>75% attendance , with physical presence of at least 4 hrs /day is required for the successful completion of the elective</p> <p>Visiting the blood bank for a day to understand how blood is donated / preserved / issued / blood grouping / and cross matching tests</p>

GSURG7

Name of Block	Block 2
Name of the elective	Suture removal after elective surgeries,post operative wound care and Management.
Location of hospital	General Surgery ward 15
Name of the internal preceptor	Dr.Swaroop John B
Name of the external preceptor	Dr.Haridas.T.V
Learning objectives	<ol style="list-style-type: none"> 1. To study the stages of wound healing. 2. To learn about post operative wound care and management 3.To understand the timing and technique of suture removal.
Number of students that can be accommodated in this elective	2
Prerequisites for elective	Knowledge about stages of wound healing and possible complications that can occur in a surgical wound.
Learning resources for students	<ol style="list-style-type: none"> 1.Sabiston Text book of Surgery 21st edition. 2.Bailey and Love’s short practice of surgery 27th edition.
List of activities of student participation	<ol style="list-style-type: none"> 1.Attend post operative ward and ICU 2.Take case history ,examination and follow up of 10 elective post operative patients . 3.To involve in the wound care and management,suture removal of those patients: 4.Present topic on wound healing and wound care.

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Portfolio entries required	Documentation 1. Case reports of 10 elective post operative wound care including suture removal. 2. Participation in the academic activities – At least 1 topic presentation 3. Reflective writing on the wound care and suture removal. 4. Antibiotic prophylaxis used according to the class of surgical wound.
Log book entry required	1. Cases seen – 10 per elective 2. Academic presentations made – 1 per elective 3. Assessment and follow up of 10 post operative cases. 4. Final report submission and presentation.
Assessment	1. Attendance 2. Assistance in wound care and suture removal. 3. Topic presentation 4. Logbook
Other comments	75% attendance , with physical presence of at least 5 hrs /day is required for the successful completion of the elective

GSURG8

Name of Block	Block 2
Name of the elective	Blunt trauma abdomen monitoring, assessment and evaluation in ICU
Location of hospital	General Surgery Emergency Room, SICU, Acute care area and ward 15
Name of the internal preceptor	Dr. Mrudhul Mathew
Name of the external preceptor	Dr. Biju.P.R
Learning objectives	1. To study the clinical presentation of blunt trauma abdomen in Emergency room and ICU 2. To learn monitoring and initial assessment of patients with blunt trauma abdomen 3. To understand the importance further evaluation. 4. To learn the importance of timely intervention. 5. To learn final outcome
Number of students that can be accommodated in this elective	2
Prerequisites for elective	Knowledge about anatomy of abdomen and clinical presentation of blunt trauma
Learning resources for students	1. Sabiston Text book of Surgery 21 st edition. 2. Bailey and Love's short practice of surgery 27 th edition. 3. Hamilton Bailey's emergency surgery
List of activities of student participation	1. Attend General Surgery Emergency room, Acute care area and SICU 2. Monitoring, assessment, evaluation, management and follow up of at least 10 patients with blunt trauma abdomen 3. To assist in monitoring vitals, clinical assessment , FAST, other imaging and follow up 4. Interpretation of FAST, clinical signs and need for emergency intervention 5. Topic presentation. 1) Blunt trauma abdomen, 2) splenic injury, grades of injury and management 6. Follow up of the patients
Portfolio entries required	Documentation

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	<ol style="list-style-type: none"> 1. Case reports of 10 patients with blunt trauma abdomen managed conservatively or surgically 2. Participation in the academic activities – At least 2 topic presentation 3. Management protocol of Blunt abdomen 4. Reflective writing on the management of blunt trauma abdomen 5. Final report of 10 patients including monitoring, assessment, evaluation, management and final report
Log book entry required	<ol style="list-style-type: none"> 1.Cases seen – 10 per elective 2.Academic presentations made – 2 per elective 3.Assessment and follow up of 10 patients with blunt trauma abdomen 4.Final report submission and presentation.
Assessment	<ol style="list-style-type: none"> 1.Attendance 2.Assistance in the management of patients with blunt trauma abdomen 3.Topic presentations 4. Logbook
Other comments	75% attendance , with physical presence of at least 5 hrs /day is required for the successful completion of the elective

GSURG9

Name of the Block	: General Surgery
Name of the elective	: Post operative fluid management in patient after elective surgeries
Internal Preceptor	: Dr.Aravind.T
External Preceptor	:
Learning objectives	: To assess the postoperative clinical status and fluid balance in the body
No.of students	: 2
Pre requisites	: To know bout various resuscitation fluid and composition To know about various electrolyte imbalance disorders To know about Metabolic response to injury and starvation
Learning resource	: Bailey and love 27 th edition Sabiston text book of surgical sciences 21 st edition
List of activities	: Visit 5 pt/day in post op ward Visit 10 pt (total) in AICU/SICU over posting period Collect data and assess clinical parameters (mental status , PR, BP, Skin turgor, fluid intake, urine output, S.Electrolyte,
CRT, abdominal girth) GRBS	Monitor and observe what type of fluids are used, amount of each item
Portfolio entries	: Prepare a master chart with the above data
Log Book entries	: Detailed description of the patients name, age, diagnosis, comorbidities, procedure Clinical and lab values, postoperative period fluid-choice & amount , any complication Collect the details of Patients undergoing 5
different	procedure (at least 10 patient from Anaesthesia ICU/SICU)

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Assessment

: To be submitted after 2wks to the faculty of general surgery

GSURG10

Name of Block	Block 2
Name of the elective	Assessment of vascularity in Diabetic foot
Location of hospital	GMC,Thrissur,Surgery OPD/ward4,ward5
Name of the internal preceptor	Dr.Praveen T M
Name of the external preceptor	Dr.Santhosh.P.V
Learning objectives	<ol style="list-style-type: none"> 1. Assessment of ischaemic foot- measuring of ABPI 2. Skin examination 3. Nerve examination 4. Muscle examination 5. Ulcer examination
Number of students that can be accommodated in this elective	2
Prerequisites for elective	Knowledge about the basic vascular anatomy of limbs and pathophysiology of diabetic foot
Learning resources for students	<ol style="list-style-type: none"> 1. Bailey and Love short practice of surgery 27th edition 2. Sabiston textbook of surgery 20th edition
List of activities of student participation	<ol style="list-style-type: none"> 1. Attend 4 cases of diabetic foot and primary assessment of limb vascularity by history and clinical examination 2. Measure ABPI and categorize limb ischaemia 3. To have adequate knowledge about relevant targeted radiological investigation required 4. Present one topic on acute limb ischaemia
Portfolio entries required	<p>Documentation</p> <ol style="list-style-type: none"> 1. Case reports of 4 cases of diabetic foot 2. ABPI calculation and categorize limb ischaemia 3. Participation in the academic activities – At least 1 topic presentation
Log book entry required	<ol style="list-style-type: none"> 1.Cases seen – 4 per elective 2.Academic presentations made – 1 per elective

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	<p>3. Follow up and complication related to limb ischaemia</p> <p>4. Visit to ward 4,5, SICU, ACA under general surgery</p> <p>5. Attendance during the period</p>
Assessment	<p>1. Attendance</p> <p>2. Daily participation ward/opd activities</p> <p>3. Topic presentation</p>
Other comments	75% attendance , with physical presence of at least 5 hrs /day is required for the successful completion of the elective

GSURG11

Name of Block	Block 2	
Name of the elective	Imaging findings and management outcomes of Head trauma patients attending Red zone Emergency department	
Location of hospital	Red zone Emergency department	
Name of the internal preceptor	Dr Ravindran C	
Name of the external preceptor	Dr. Sumin Sulaiman	
Learning objectives	<p>1. To study how to perform basic management of head trauma patients</p> <p>2. To read and interpret CT scans of traumatic patients</p> <p>2. To Compare pre intervention status and post intervention outcomes</p>	
Number of students that can be accommodated in this elective	4	
Prerequisites for elective	Knowledge about Head injuries and CT image features	
Learning resources for students	1. Bailey and Love's short practice of surgery 27th edition.	
List of activities of student participation	<p>1. Attend Redzone</p> <p>2. At imaging room for seeing procedure</p> <p>3. Learn how to interpret CT head in trauma</p> <p>4. Assist basic resuscitation</p>	
Portfolio entries required	Documentation	

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	<ol style="list-style-type: none"> 6. CT images 7. Participation in academic activities 8. 50 cases to be seen and followed up with standard proforma 9. Final report
Log book entry required	<ol style="list-style-type: none"> 1.sessions attended 2.CT images seen 3.master chart of proforma 4.Final report submission and presentation.
Assessment	<ol style="list-style-type: none"> 1.Attendance and Attitude 2.Performance grading by Assessor 3. Logbook
Other comments	75% attendance , with physical presence of at least 4 hrs /day is required for the successful completion of the elective

GSURG12

Name of Block	Block 2
Name of the elective	Basic surgical skill training in skill lab and its impact
Location of hospital	Centre for skill development, simulation and Training
Name of the internal preceptor	Dr Ravindran C
Name of the external preceptor	Dr. Elizabeth Joseph
Learning objectives	<ol style="list-style-type: none"> 1.To study how to perform basic surgical intervention in simulated environment 2. To Compare pre intervention and post intervention level of knowledge
Number of students that can be accommodated in this elective	5
Prerequisites for elective	Knowledge about the steps in performing IV Cannulation, Bandaging , Airway intubation, Suturing and Wound dressing
Learning resources for students	<ol style="list-style-type: none"> 1. Bailey and Love's short practice of surgery 27th edition. 2. KUHS skill training manual
List of activities of student participation	<ol style="list-style-type: none"> 1. Attend CSDT for sessions 2. Perform under supervision 3. Grade the pre and post level 4.Assist performing same tasks in emergency room
Portfolio entries required	Documentation <ol style="list-style-type: none"> 10. Video recording 11. Participation in academic activities 12. 15 assisted live procedures 13. Final report on 5 tasks
Log book entry required	<ol style="list-style-type: none"> 1.sessions performed in the skill lab 2.Academic presentations made 3.documentation of Skill performed sessions under supervision

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	4.Final report submission and presentation.	
Assessment	1.Attendance 2.Performance grading by Assessor 3. Logbook	
Other comments	75% attendance , with physical presence of at least 5 hrs /day is required for the successful completion of the elective	

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