



## KARPAGA VINAYAGA INSTITUTE OF MEDICAL SCIENCES AND RESEARCH CENTRE

GST Road, Chinnakolambakkam, Madhuranthagam, Tamilnadu -603308

Ph.no: 044-27598484/27565195; Fax: 044-27565170; E-mail:[kims.medical@yahoo.com](mailto:kims.medical@yahoo.com); Website: [www.kveg.in](http://www.kveg.in)

### Program specific learning outcome:

**MBBS:** At the end of the MBBS program, student shall be able to

Learning outcomes	Assessment	Activities performed in the institute
To diagnose common clinical conditions in medical practice and able to take timely decision for referral to higher center when required	<ol style="list-style-type: none"> <li>1. Log book</li> <li>2. Faculty feedback</li> <li>3. Formative assessment</li> </ol>	<ol style="list-style-type: none"> <li>1. Clinical case discussion</li> <li>2. Clinical rounds</li> <li>3. Clinical audit</li> </ol>
To prescribe drugs rationally and use blood and blood products judiciously	<ol style="list-style-type: none"> <li>1. Logbook</li> <li>2. Formative assessment Multisource feedback (feedback from pharmacist, lab technician, staff nurse)</li> </ol>	<ol style="list-style-type: none"> <li>1. Clinical case discussions</li> <li>2. Clinical society meetings</li> <li>3. Conducted lecture on rational use of medication</li> </ol>
To manage all types of emergencies at primary level	<ol style="list-style-type: none"> <li>1. Log book</li> <li>2. Pretest/ Post-test evaluation</li> <li>3. Feedback from instructor</li> </ol>	<ol style="list-style-type: none"> <li>1. Basic life support (BLS) and Advanced cardiac life support (ACLS) program</li> </ol>
To develop leadership qualities to function effectively as a leader of Health care system	<ol style="list-style-type: none"> <li>1. 360<sup>0</sup> Feedback</li> </ol>	<ol style="list-style-type: none"> <li>1. Seminars/ symposiums</li> <li>2. Student's Participation in various academic and administrative bodies</li> </ol>
To provide services to chronically ill patients and able to communicate effectively to the patients and relatives	<ol style="list-style-type: none"> <li>1. Logbook</li> <li>2. Feedback from patient, staff and colleagues</li> </ol>	<ol style="list-style-type: none"> <li>1. Lectures on communication skills</li> <li>2. Value added courses on language and communication</li> </ol>
Able to maintain professional secrecy wherever needed	<ol style="list-style-type: none"> <li>1. Multisource feedback ( staff, faculty, nonteaching staff)</li> </ol>	<ol style="list-style-type: none"> <li>1. Value added programmes on Ethics in medical profession, legal awareness</li> <li>2. CME on legal intricacies</li> </ol>
Able to acquire knowledge about the various national schemes and program in health sector	<ol style="list-style-type: none"> <li>1. Logbook</li> <li>2. Feedback from faculties</li> <li>3. Formative assessment</li> </ol>	<ol style="list-style-type: none"> <li>1. Conducted various awareness programs</li> <li>1. Community oriented extension activities</li> </ol>

Notes:

The interns are provided with log book where they have to complete during the respective posting period. Based on the record of the work, students are graded with the score from



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0-5 on five-point Likert scale. (0-poor, 1- below average, 2-fair, 3-average, 4-above average, 5-excellent) A Score of less than 3 in any of above items will represent unsatisfactory completion of internship.

### B. Sc. Operation theatre and Anesthesia technology

At the end of the B. Sc. Program, student shall be able to

<b>Learning outcomes</b>	<b>Assessment</b>	<b>Activities performed in the institute</b>
Do preoperative assessment of the patient independently	1. Log book 2. Faculty feedback	1. Operation theatre Posting 2. Lectures/ classes
Prepare theatre trolley, laying of instruments as per the specific operative procedures independently	1. Logbook 2. Feedback from staff, colleagues	1. Operation theatre Posting 2. Lectures/ classes
Acquire knowledge about sterilization procedures and aseptic techniques	1. MCQ 2. Oral viva 3. Formative assessment	4. Seminars/ symposium 2. Group discussion
Familiarize with the anesthesia machine, ventilator and multipara monitors	1. Logbook 2. Feedback	1. Workshop 2. Lectures/ Demonstrations
Assist in various emergencies that can occur in operation theatre	1. Log book 2. Pretest/ Post-test evaluation	Basic life support (BLS) and Advanced cardiac life support (ACLS) program
Summarize uses, adverse effects of the commonly used drug in operation theatre	1. 360 <sup>0</sup> Feedback 2. Formative assessment	2. Seminars/ presentations 3. Lectures



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### B. Sc. Radiography and Imaging technology

Learning outcomes	Assessment	Activities performed in the institute
Describe radiological anatomy of various parts of human body in order to identify the concerned parts while doing X-ray, CT scan and MRI and could assist radiologist in reporting	<ol style="list-style-type: none"> <li>1. Log book</li> <li>2. Faculty feedback</li> <li>3. Formative</li> </ol>	<ol style="list-style-type: none"> <li>1. Radiology Posting</li> <li>2. Dental Posting</li> <li>3. Lectures/ classes</li> </ol>
Acquire knowledge of radiological physics which is essential to understand the principles and functioning of equipment, image creation, various factors influencing the image qualities and various physical and chemical processes	<ol style="list-style-type: none"> <li>1. Logbook</li> <li>2. Formative</li> <li>3. Feedback from staff, colleagues</li> </ol>	<ol style="list-style-type: none"> <li>1. Lectures/ classes</li> <li>2. Group discussions</li> </ol>
Perform radiological procedures with correct technique	<ol style="list-style-type: none"> <li>1. Feedback</li> </ol>	<ol style="list-style-type: none"> <li>1. Hands on training</li> <li>2. Group discussions</li> </ol>
Assist radiologist in various radiological procedures and have exposure to various interventional procedures and nuclear medicine scanning protocols	<ol style="list-style-type: none"> <li>1. Feedback</li> </ol>	<ol style="list-style-type: none"> <li>1. Hands on training</li> <li>2. Group discussions</li> </ol>
Provide support and reassurance to patients, taking into account their physical and psychological needs and manage referrals	<ol style="list-style-type: none"> <li>1. Log book</li> <li>4. Feedback</li> </ol>	<ol style="list-style-type: none"> <li>1. Role play</li> <li>2. Group activities</li> </ol>
Ensure patients receive a radiation dose as low as reasonably possible and also take responsibility for radiation safety in the work area	<ol style="list-style-type: none"> <li>1. Faculty feedback</li> <li>2. Formative assessment</li> </ol>	<ol style="list-style-type: none"> <li>1. Seminars/ presentations</li> <li>2. Lectures</li> </ol>
Acquire knowledge on quality assurance by checking equipment for malfunctions and errors and	<ol style="list-style-type: none"> <li>1. Multi-source feedback</li> <li>2. Logbook</li> </ol>	<ol style="list-style-type: none"> <li>1. Lectures/ demonstrations</li> </ol>



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know the importance of radiation protection with health and safety guidelines, including ionizing radiation regulations, to protect oneself and others		
Develop good work culture among subordinate	Multi source feedback (colleagues, subordinate, staff)	<ol style="list-style-type: none"> <li>1. Orientation program</li> <li>2. Group activities</li> </ol>
Tackle and manage unexpected emergency that occurs in CT/ MRI set up	<ol style="list-style-type: none"> <li>1. Log book</li> <li>2. Feedback</li> </ol>	<ol style="list-style-type: none"> <li>1. Basic life support program</li> <li>2. Case scenario discussion</li> </ol>

### B. Sc. Medical Record Science

Learning outcomes	Assessment	Activities performed in the institute
To communicate effectively to the patients and relatives	<ol style="list-style-type: none"> <li>1. Log book</li> <li>2. Faculty feedback</li> </ol>	<ol style="list-style-type: none"> <li>1. Lectures/ classes</li> <li>2. Group activities</li> </ol>
To achieve necessary computer operating skills for data entry and retrieval.	<ol style="list-style-type: none"> <li>1. Feedback from staff, colleagues</li> </ol>	<ol style="list-style-type: none"> <li>1. Hands-on sessions</li> </ol>
Students should be able to know medical terminology and the ICD codes for the diseases.	<ol style="list-style-type: none"> <li>1. Formative</li> </ol>	<ol style="list-style-type: none"> <li>1. Lectures/ classes</li> <li>2. Group discussion</li> </ol>
Understand principles of telemedicine and medical transcription	<ol style="list-style-type: none"> <li>1. Formative</li> </ol>	<ol style="list-style-type: none"> <li>1. Lectures/ classes</li> <li>2. Group discussion</li> </ol>
Know basics of statistics	<ol style="list-style-type: none"> <li>1. Log book</li> <li>2. Formative</li> </ol>	<ol style="list-style-type: none"> <li>1. Group activities</li> </ol>



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Maintain confidentiality of the documents and maintenance of the records	1. Faculty feedback	1. Group discussion 2. Lecture classes
Develop good work culture among subordinate	Multi source feedback (colleagues, subordinate, staff)	1. Orientation program 2. Group activities

### B. Sc. Medical Lab Technology

Learning outcomes	Assessment	Activities performed in the institute
To communicate effectively to the patients and relatives	2. Log book 2. Faculty feedback	2. Laboratory Posting 3. Lectures/ classes
Do all the procedures in phlebotomy	4. Logbook 5. Feedback from staff, colleagues	3. Laboratory Posting 4. Lectures/ classes
Acquire knowledge about aseptic techniques and infection prevention practices	2. Formative	1. Seminars/ symposium 2. Group discussion
Familiarize with biomedical waste management procedures	3. Skill assessment 4. Feedback	1. Workshop 2. Lectures/ Demonstrations
Able to recognize troubleshooting during testing	2. Log book 2. Feedback	3. Group activities
Carry out common investigations of clinical importance related to Pathology, Microbiology and Biochemistry	3. Faculty feedback 4. Formative assessment	7. Seminars/ presentations 8. Lectures



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Strictly follow good laboratory practices and maintain patient's confidentiality	3. Formative assessment 4. Logbook	2. Lectures/ demonstrations
Develop good work culture among subordinate	Multi source feedback (colleagues, subordinate, staff)	3. Orientation program 4. Group activities

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