

**TOPICS COVERED UNDERGRADUATE**

<b>Designation</b>	<b>Name of the Faculty</b>	<b>Topics Covered</b>
<b>ANATOMY</b>		
Professor & HOD	Dr. Suresh N M	Introduction, microscope, aetcom, axilla, back, shoulder joint, spaces of hand, nerves of upper limb, vessels histo, pericardium, ext heart, histology lymphatics, trachea & lungs, pleura, lateral compartment of leg, dorsum of foot, sole, knee joint, ankle joint, subtallar joint, arches of foot, nerves of lower limb, venous & lymphatic drainage of lower limb, ant abdominal wall, rectus sheeth, male external genetelia, peritoneum & cavity, oesophagus & stomach, GIT, Small intestine, liver & gall bladder, blood vessels of gut, pancreas, kidney, ureter & bladder, diaphragm & suprarenal gland, development of urinary system, male reproductive system, female reproductive system, face, deep cervical fascia, dural folds, pituitary gland, orbital fascia & muscles, temporal & infratemporal region, deep veins of neck,
Professor	Dr. M.B. Sanikop (Principal)	Introdution to CNS, Sections of Brain stem (Pons, Midbrain & Medulla oblongata.
Asso. Professor	Dr. Suma. M.P	Introduction, tissues of body, embryology intro, gamatogenesis, ovary & menstrual cycle, second week development, blood supply of heart, foetal membranes, umbilical cord, placenta, prenatal diagnosis, twinning, development of heart, pharyngeal appratus, front of thigh, muscles of ant comp of leg, femoral triangle & contents, medial comp of thigh, back of thigh, gluteal region, popliteal fossa, suprarenal gland, histo, hip joint, devp of skeletal sysem, post comp of leg, articulated foot, ant abdominal wall muscles, inguinal canal, hist of male & female repro system, devep of digestive system, hist of GIT, devep of GIT, devp of Kidney, face devp, Facial nerve, pituitary gland, devp of eye, T M Joint, Histo retina and cornea, Pharyngeal arches & pouches, Devp tongue, histo cereebrium, spinal cord, cerebellum, histo tongue, corneo-scleral junction, externalsurface cerebrum, devp of CNS.
Asst. Professor	Ms. Divya Jayan	clavicle, pectoral region, mammary gland, joints, muscles, scapular region, arm, back of arm & radial nerve, flexor muscles of forearm, elbow joint- anastamosis, joint of hand, conducting system, <u>mediastinum.</u>
Asst. Professor	Dr. Hiremath Jayashree Ningayya	Scalp, cervical lymphatics of face & scalp, parotid gland, submental & muscular triangle, dural venous sinuses, 3,4, 6 cranial nerves, sympathetic chain, thyroid & parathyroid gland, histo of lip, tooth. Cranial 11 &12, meninges & CSF, ventricles, cerebellum, lymbic sysstem.
Tutor	Dr. Manjunath Hiremath	Histo retina and cornea, Pharyngeal arches & pouches, Devp tongue, histo cereebrium, spinal cord, cerebellum, histo tongue, corneo-scleral junction, externalsurface cerebrum, devp of CNS.
Tutor	Dr. Yogish S Paragond	cranial nerves-9,10, pharynx, nasal septum, lateral wall of nose, ear- external, middle & internal, contents of vertebral canal.

Tutor	Dr. Mahabaleshwar S Badiger	histo, hip joint, devp of skeletal system
Tutor	Ms. Albymol Isac	Introduction, scapula, Bones, epithelium, connective tissue, cartilage & bones, vascular system, muscles- histo, blood vessels- histo, tonsil thymus, glands- histo, skin-histo, rectum & anal canal,
Tutor	Ms. Rohini Y N	palatine tonsil & soft palate
<b>PHYSIOLOGY</b>		
Professor	Dr. Tejashwini Basarigidad	Revision of paper 1 & 2
Assoc. Professor	Dr. Shyma. P	CNS, CVS, RS, SPECIAL SENSES, GIT,NERVE MUSCLEPHYSIOLOGY. Clinical examination, simulated experiments and small group teaching
Asst. Professor	Dr. Neelkanth Kote	HAEMATOLOGY, GIT, ENDOCRINES, REPRODUCTION, HAEMATOLGY, NERVE MUSCLEPHYSIOLOGY, Hematology, clinical examinations and integrated teachings
Asst. Professor	Dr. Sehar Mushtaq Kanyu	GENERAL PHYSIOLOGY, HAEMATOLGY, NERVE MUSCLEPHYSIOLOGY, REPRODUCTION. Human experiments, hematology and tutorials
Tutor	Dr. Sree Vasathav M.S	Hematology, Human experiments and Clinical examination
Tutor	Dr.Vijay Kumar.C.M	Hematology, Human experiments and Clinical examination
Tutor	Mrs. Saranya	Hematology, Human experiments and Clinical examination
<b>BIOCHEMISTRY</b>		
Professor & HOD	Dr. Nagarajappa K	Introduction, chemistry of carbohydrates, carbohydrate metabolism, metabolism of proteins, metabolism of homeostasis, plasma proteins, chemistry of nucleosides, nucleotides, nucleic acids, xenobiotics and detoxification, free radicals and antioxidants, organ function tests, biochemistry of cancer, tumour markers, heme metabolism. Practicals: introduction to practicals, estimation of blood glucose by GOD POD method. case based learning with lab data interpretation - major and minor
Assoc. Professor	Dr. Keshava Murthy H R	Nutrition and energy metabolism, obesity, Immunology, adrenal function tests,
Asst. Professor	Dr. Vijayalakshmi P	chemistry of lipids, immunoglobulins, radio isotopes, Practical: analysis of abnormal urine, PCR technique, blotting techniques, Seminar 1
Asst. Professor	Dr. Saphya Mukhtar	enzymes, chemistry of amino acids and proteins, metabolism of lipids, acid base balance, water & electrolyte balance, nucleotide metabolism, molecular biology, molecular biology techniques, gene therapy, biological oxidation, Practical: analysis of normal urine, case based learning with lab data interpretation - major and minor
Tutor	Mr. Pasagadugula Santosh Kumar	fat soluble vitamins, minerals, <b>Practicals:</b> estimation of serum and urine creatinine, estimation of total cholesterol and HDL, estimation of triglycerides, serum protein electrophoresis, Seminar 2

Tutor	Ms. Johnsi Priya J	cell & ECM, water soluble vitamins, clinical chemistry- autoanalyser, quality control etc., <b>Practicals:</b> lab safety, commonly used glassware & biomedical waste disposal, estimation of blood urea, estimation of total proteins and albumin.clinical chemistry- specimen collection and preanalytical errors in clinical lab. Seminar 3
Tutor	Ms. Boligorla Hymavathi	Practicals: preparation of buffers and estimation of pH by using pH meter, estimation of inorganic phosphate, estimation of AST and ALT, estimation of bilirubin, analysis of CSF, ELISA, Seminar 4
Tutor	Ms. Ramya P K	Practicals: estimation of serum calcium, Estimation of ALP, paper chromatography/TLC of amino acids/sugars, blood gas analysis using ABG analyser. Estimation of serum electrolytes by ISE, DNA isolation
Tutor	Ms. Eslavath Sukanya	colorimetry, glucometer and GTT,
<b>PHARMACOLOGY</b>		
Professor & HOD	Dr. Sujatha Govindarajan	Evidence Based medicine & Therapeutic Drug Monitoring, Pharmacokinetics, Principles of PV & ADR Reporting System, ADR Reporting system, Pharmacodynamics-I, Pharmacodynamics-II, Introduction to Autonomic Nervous System, Adrenergic Drugs, Antiadrenergic drugs, Anti-rheumatic, anti-gout drugs, Anti-fibrinolytics, Anti-platelet drugs, Shock, Hypolipidemics, Anti-anginal drugs, Anti-hypertensives-1, Anti-hypertensives-2, Drugs for cough, Emetics and Anti-emetics, Thyroid and Antithyroid drugs, Corticosteroids-2, Androgens and antagonists, Androgens and antagonists, Tutorials(Estrogens and Androgens), General considerations in chemotherapy, Quinolones, Tutorials(Quinolones and Sulfonamides), Cephalosporins, Broad Spectrum Antibiotics, bacular drugs Anti-fungal drugs UTI Amoebiasis Anticancer drugs-I Anticancer drugs-II Worm Infestation

Assoc. Professor	Dr. Sapna Patil	Drugs for heart failure, Anti-arrhythmic drugs, Drugs affecting coagulation, Sedative hypnotics, Anti-parkinsonian drugs, Anti-depressants, Opioid analgesics, Drugs for peptic ulcer, Drugs for constipation & diarrhoea, Thyroid hormones, Corticosteroids, Diabetes mellitus, Oestrogens, contraceptives, Drugs acting on uterus, Bronchial asthma, Beta lactam antibiotics, Broad spectrum antibiotics, Aminoglycosides , Anti-tubercular drugs, Anti-leprotic drugs, Anti-retroviral drugs, Anti-fungal drugs, Anti-malarial drugs, Cancer chemotherapy Introduction-Principles of pharmacology &Pharmacotherapeutics, Routes of drug administration, Drug Interactions, Cholinergic drugs, Anti-cholinergic drugs,Skeletal muscle relaxants, Autacoids(histamine,5HT3,PG),Alcohols, General Anaesthetics-1, General Anaesthetics-2, Oipoid analgesics, Anti-depressants, anti-maniac drugs, Anti-parkinsonian drugs, Iron, Vit-B12, folic acid, coagulants, anti-coagulants, Plasma expanders, Diuretics-1 & 2, Drugs for Bronchial asthma, Drugs for peptic ulcer, Drugs for constipation and diarrhea, Diabetes-1, Diabetes-2,Drugs affecting calcium and bone metabolism, Oestrogens and antagonists,Sulfonamides, Penicillins, Drugs acting on uterus Anti-Leprotic drugs, Penicillins, Aminoglycosides, Macrolides and Newer Antibiotics
Asst. Professor	Dr. Jyothsnya. S	Drugs affecting RAAS & Cardiac Glycosides, Anti-anginal drugs Anti-hypertensive drugs, Haematinics and erythropoetin, General Anaesthetic, Alcohols, Hypolipidemic drugs, Anti-epileptics, Anti-psychotic drugs, Anti-maniac drugs, Anti-emetics & prokinetic agents, CNS stimulants& cognition enhancers, Revision Clinical problems, CCR, Experimental pharmacology
Tutor	Mrs. Vasantha M N	Graphs, Drug dosage forms-Oral, Dose calculation, Prescription writing, SGD-Drugs for heart failure, Clinical problems(1-5) SGD-Antiarrhythmic Agents, Clinical problems(11-15), Clinical problems (16-20), Graphs(4-7), ADR
Tutor	Dr. Roja C	Drug dosage forms-Solid Drug dosage forms-Liquid Drug dosage forms-local
Tutor	Dr. Kuldeep . R	Drug dosage forms-inhalational Drug dosage forms-Parenteral
Tutor	Dr. Jeevan Y.M	Prescription writing Clinical Problems
<b>PATHOLOGY</b>		
Professor & HOD	Dr. Naveen Kumar B J	introduction, AETCOM, chronic inflammation, neoplasia, thalassemia, IHD, BPH, Ovarian tumors
Assoc. Professor	Dr. Divya Lakshmi	cell injury, metastasis, immunity, cytogenetic disorders, IBD, GN, CA Penis, OSPE
Assoc. Professor	Dr. Kumari Jyothi	adaptations,leprosy, amyloidosis, leukemia, tumors of infancy, viral hepatitis, endocarditis

Asst. Professor	Dr. Jaya Maisnam	apoptosis, calcification, shock, B12 deficiency, <u>lymphoma, autoimmunity, obesity</u>
Asst. Professor	Dr. Jyothi A	necrosis, repair, storage disorders, CNS tumors, HLA, <u>cardiomyopathy, uterine disorders, renal stones</u>
Asst. Professor	Dr. Ranjeeta S Banakar	inflammation, thrombosis, SLE, Iron deficiency <u>anemia, salivary glands, atherosclerosis</u>
Asst. Professor	Dr. Shilpa Rao M	chemical mediators, oncogenes, HIV, Sickle cell <u>anemia, blood banking, peptic ulcer, endometrium</u>
Asst. Professor	Dr. Mythreyi M U	Thyroiditis and thyroid neoplasms, cytogenetics, <u>pleura,</u>
Asst. Professor	Dr. Arpitha V	DM, aplastic anemia, cervix, Osteomyelitis
Tutor/SR	Dr. Shruthi Reddy	DOAP-ch bronchitis, Ca stomach, ca colon, PS <u>reporting</u>
Tutor	Dr. Karthik Mallikarjun Tuppad	DOAP-emphysema, leprosy, cirrhosis, instruments
Tutor	Dr. Manju V	DOAP-blood grouping, urinalysis, charts, OSPE
Tutor	Dr. Subhashini V	DOAP- calcification, cellular adaptation, CML
Tutor	Dr. M. Kirubakaran	DOAP- Cell death, acute appendicitis, neutrophilia
Tutor	Dr. Tarun Jyothi Moharana	DOAP- infarction, TB lymph node, semen analysis
<b>MICROBIOLOGY</b>		

Professor & HOD	Dr. Rajini M	<p>Define: Health, Disease, infectious agents, commensalism, parasite, pathogen and opportunistic pathogen.</p> <p>Classify types of infections, Describe chain of infection</p> <p>Enumerate various types of medically important micro-organisms - bacteria, viruses, parasites, fungi</p> <p>Differentiate between pathogen, commensals, and saprophyte.</p> <p>Define Healthcare Associated Infections (HAI)</p> <p>Enumerate the types of HAI</p> <p>Discuss the factors that contribute to the development of and methods to prevent catheter associated urinary tract infection (CAUTI)</p> <p>Discuss the factors that contribute to the development of and methods to prevent central line associated blood stream infection (CLABSI)</p> <p>Discuss the factors that contribute to the development of and methods to prevent ventilator associated pneumonia (VAP)</p> <p>Discuss the factors that contribute to the development of and methods to prevent surgical site infection (SSI)</p> <p>Describe principles and application of antibiotic stewardship</p> <p>Define Standard precautions</p> <p>List the components of Standard precautions</p> <p>Describe the various transmission-based precautions.</p> <p>Describe the constitution and functions of HICC.</p> <p>Define Biomedical waste</p> <p>Classify biomedical waste and describe methods of segregation, decontamination and disposal of each type as per Biomedical waste management rule</p> <p>Describe appropriate management of needle stick injury in healthcare setting</p> <p>Manage bio-spill</p> <p>Describe vaccines that are useful in healthcare workers</p>
Assco. Professor	Dr. Sreekanth. B	<p>Describe the classification &amp; morphology of virus</p> <p>Describe general pathogenesis and general lab diagnosis of viral infections</p> <p>Describe the classification &amp; morphology of fungi .Describe general pathogenesis and general lab diagnosis of fungal infections.</p> <p>Define: Epidemiology, Describe the various epidemiological patterns of infectious disease.</p> <p>Discuss the various microbial factors contributing to disease.</p> <p>Discuss the various sources and reservoirs of infections.</p> <p>Describe the various modes of transmission of infections.</p> <p>Classify disinfectants</p> <p>Define &amp; applications of Fumigation, fogging</p> <p>Describe: Plasma sterilization</p> <p>Identify the most appropriate method of sterilization / disinfection in the given cases, scenario.</p>

Assco. Professor	Dr. Dhanalakshmi A	Define drug resistance, List out various mechanisms of antibacterial resistance. MRSA,VRE,ESBL,MBL etc Describe the immunological mechanisms in health Immunity Immune system - Describe structure and functions of immune system Antigen & Immunoglobulins Complement system Describe components, general properties cascade and role of Complement system in health and disease Antigen antibody reactions Define & classify antigen antib
Asst. Professor	Dr. Trupthi Gowda	Define & classify Immune response Describe cell mediated immune response Discuss the immunological basis of vaccines and describe the Universal Immunisation, schedule, Hypersensitivity
Asst. Professor	Dr. Tanushree Zirwar	Autoimmunity, Immunodeficiency, Describe the immunological mechanisms of transplantation and tumor immunity, etiologic agents in rheumatic fever and their diagnosis, Identify bacteria by observing colony morphology, biochemical reactions Interpret antimicrobial susceptibility test. Define: Minimum Inhibitory concentration, minimum bactericidal concentration. Discuss other test that can be used for diagnosis
Asst. Professor	Dr. Abirami P	List the common microbial agents causing anemia. Describe the morphology, of the common microbial agents causing anemia. Discuss the mode of infection, pathogenesis & clinical course of the common microbial agents causing anemia.
Tutor	Ms. Prabina P	Describe the pathogenesis, clinical features, laboratory diagnosis and treatment of pathogens causing Urethral syndrome/ white discharge per vagina (Gonococci, Candida spp, Trichomonas vaginalis, Bacterial vaginosis) Describe the pathogenesis, clinical features, laboratory diagnosis and treatment of pathogens causing Urethral syndrome/ white discharge per vagina (Gonococci, Candida spp, Trichomonas vaginalis, Bacterial vaginosis) Enumerate the predisposing factors in Urinary Tract infections
Tutor	Ms. Punuru Sneha	Anthrax, ubcutaneous mycosis – list the fungi causing subcutaneous mycosis. Describe the clinical features, laboratory diagnosis and treatment of subcutaneous mycosis.- Sporotrichosis, Chromoblastomycoses, Rhinosporidiosis, entamophthoromycoses, mycetoma, Enumerate the tissue nematode parasites causing skin and soft tissue lesions with their clinical course and laboratory diagnosis- Filariasis, Onchocerca, Loa loa, Mansonella, Dracunculus, Trichinella and Larva migrans.

Tutor	Ms. Vutukuru Lavanya	<p>Discuss methods of sample collection for laboratory diagnosis of upper respiratory infections</p> <p>Discuss methods of sample collection for laboratory diagnosis of lower respiratory infections</p> <p>Discuss methods of sample collection for laboratory diagnosis of CVS and blood stream infections</p> <p>Discuss methods of sample collection for laboratory diagnosis of CNS infections</p> <p>Discuss the rights and responsibility of patients</p> <p>Discuss the rights and responsibility of laboratory with respect to confidentiality of laboratory results</p> <p>Discuss the ethical issues involved in confidentiality pertaining to patient identity.</p> <p>Discuss the medicolegal consequences of breach in confidentiality</p>
Tutor	Dr. Spoorthi Srinivas	<p>Define: Encephalitis</p> <p>Classify Encephalitis</p> <p>Enumerate the causative agents of Encephalitis</p> <p>Describe general pathogenesis of encephalitis</p> <p>Describe the clinical presentation of Encephalitis</p> <p>Discuss the approach to diagnosis of viral Encephalitis</p>
<b>FORENSIC MEDICINE</b>		



Professor & HOD	Dr. Dinesh Rao	<p>History of Forensic Medicine, Definition of forensic medicine and medical jurisprudence, Medical Etiquette.</p> <p>Courts in India and their powers : Supreme Court, High Court, Sessions Court, Additional sessions court, magistrate's court, Coroner's Court.</p> <p>Court procedures : Summons, conduct money, oath, affirmation, perjury, types of witnesses, types of examination, recording evidence, court questions, conduct of doctor in witness box, medical examiner system.</p> <p>Medical certification and medico legal reports including dying declaration</p> <p>Definition, types : somatic, cellular and brain death.</p> <p>Natural and unnatural death.</p> <p>Presumption of death and survivorship. Wound Certification. Virginity : Definition and signs.</p> <p>Defloration</p> <p>Sexual Offences : Rape, Definition, examination of victim and the accused in case of rape, gang rape, custodial rape. Incest, Unnatural Offences - Tribalism, Bestiality, Buccal Coitus.</p> <p>Sexual Perversions :- Sadism, Masochism, Transvestitism, Voyeurism, Indecent assault, Sodomy. Definition, types of mental disorders, lucid interval.</p> <p>Mental Health Act.</p> <p>Diagnosis of Mental illness and feigned mental illness.</p> <p>Testamentary capacity, restraint, insanity with reference to civil and criminal responsibilities, doctrine of diminished responsibility, McNaughten's rule</p> <p>Prepare dying declaration</p>
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Assoc. Professor	Dr. Kiran G T	<p>Suspended animation.</p> <p>Death certification, cause of death as per international classification of diseases - WHO, guidelines.</p> <p>Cooling of body, Lividity, Rigor mortis, cadaveric spasm, cold stiffening and heat stiffening</p> <p>Putrefaction, mummification, adipocere and maceration, Estimation of time of death, Embalming.</p> <p>Inquest by police, magistrate and coroner.</p> <p>Definition, corpus delicti</p> <p>Identify of living persons; race, age, sex, religion, complexion, stature.</p> <p>Identification of criminals, unknown persons, dead bodies and remains of a persons by : hair fiber, teeth, anthropometry, dactylography, foot prints, scars, tattoos, poroscopy, DNA finger printings, Super-imposition.</p> <p>Examination of mutilated human remains; Skeletal remains; and exhumation.</p> <p>Definition of a medico legal post mortem.</p> <p>Difference between pathological and medico legal post mortem</p> <p>Objectives, procedures, formalities of medico legal autopsies.</p> <p>Obscure autopsy, Medico Legal Autopsies - Witnessing and recording (10 cases)</p> <p>Age estimation of an individual by Physical, Dental and Radiological examination</p> <p>Examination of skeletal remains</p> <p>Lethal Weapons</p> <p>Wet specimen / models / Photography / Micro slides - Like sperms, Diatoms, Hairs, Human &amp; Animal RBCs</p>
Asst. Professor	Dr. Mahesh T S	<p>Special procedures in suspected poisoning.</p> <p>Precautions in autopsy of HIV infected body, radiation injury.</p> <p>Types of injuries : simple, grievous and fatal.</p> <p>Wound as a cause of death : primary, secondary.</p> <p>Situation and character of wounds : number, direction, extent and age of injury.</p> <p>Injuries of various sites.</p> <p>Head : Scalp wounds, fracture skull, coup, contra coup injuries.</p> <p>Intracranial haemorrhage, its location and extent. Injury to brain, spinal cord spine, eye.</p> <p>Thoracic, Abdominal, Pelvic viscera, Uterus : Pregnant and non-pregnant, external genitalia, Bones, joints and limbs.</p>
Tutor	Dr. Maheshwaran	<p>Corrosive poisons; strong mineral acids like carbolic acid, oxalic acid, Sulphuric acid, Nitric acid, Hydrochloric acid, Alkalies.</p> <p>Metallic poisons : Lead, Mercury, Copper, Arsenic.</p> <p>Animal poisons : Snakes, Scorpions, Bees, Wasps.</p> <p>Deliriant : Dhatura, Cannabis and Cocaine</p> <p>Somniferous agents : Opium, Morphine and Pethidine</p> <p>Inebriants : Methyl and ethyl alcohol.</p> <p>Gaseous poisons : Carbon monoxide, carbon dioxide, War gases.</p>
Tutor	Dr. Tapan Kumar Jena	<p>Demonstration of ten medico legal autopsies</p> <p>Age estimation from bones, x-rays, dentition</p> <p>Specimens of poisons</p> <p>Medical certificates / Medico-legal reports, Physical fitness and sickness and death certificates, injury report, drunkenness, sexual offender.</p>

Tutor	Dr. Bharath	<p>Injuries and weapons  Examination of intoxicated persons  Possible videotape of examination of victim and accused in sexual offences  Give evidence in a court of law as an expert witness  Collect and do proper labeling, preservation and dispatch of medico-legal specimens</p>
<b>COMMUNITY MEDICINE</b>		
Professor & HOD	Dr. Lalita D Hiremath	<p>Evaluation of Public Health.  Definition of health, holistic concept of health, appreciation of health as a relative concept, determinants of health.  Characteristics of agent, host and environmental factors in health and disease and the multi factorial etiology of disease.  Understanding the Natural history of disease and application, interventions at various levels of prevention with appropriate examples.  Indices used in measurement of health.  Health profile in India.  The concept of safe and wholesome water.  The requirements of sanitary sources of water.  Understanding the methods of purification of water on small scale and large scale.  Various biological standards, including WHO guidelines for third world countries.  Concept and methods for assessing quality of water.  Sources, health hazards and control of environmental pollution  Problem in the disposal of refuse, sullage, human excreta and sewage and its remedies.  Awareness of standards of housing and the effect of poor housing on health.  Role o vectors in the causation of diseases.  Identifying features of and mode of transmission of vector borne diseases.  Methods of vector control with advantages and limitations of each.  Mode of action, does and application cycle of commonly used insecticides and rodenticides.  Principles of communication, methods and evaluation of health education and understand, nspection of work sites.  Recommendation in improving work sites.  Supervision of workers and programmes</p>

Professor	Dr. Sudeepa. D	<p>apply adult education methods.          Appreciate barriers to effective communication.          List various methods of health education with their advantages and disadvantages.          Select and use of appropriate media (simple audio-visual) for effective health education.          Practice of Health Education.          Definition of demography and family welfare program.          Stages of the demographic cycle and their impact on the population, concept of demographic gap and population explosion.          Definition, calculation and interpretation of demographic indices like birth rate, death rate, fertility rates.          Reasons for rapid population growth in India and population dynamics.          Need for population control measures and the National Population Policy          Need for specialized services for these groups.          Magnitude of morbidity and mortality in these groups in the local area and different regions.          Local customs and practices during pregnancy, childbirth and lactation and complementary feeding.          Concepts of Reproductive child health (RCH) components, including child survival and safe motherhood, Universal Immunization Programme integrated child development and other existing programmes.</p>
Professor	Dr. Shivaramakrishna. H.R.	<p>Handicapped child.          Organization, implementation and evaluation of reproductive child health program components.          Activities of the Programmes like :          Carrying out periodic medical examination of the children and the teachers.          Immunization of the children in the school.          Health education.          Mid-day meals.          Desirable to know          Obtaining participation of the teachers in the school health programmes including maintenance of record; refining healthy practices; early detection of abnormalities, national school health programmes.          XIII URBAN HEALTH          Must know          Common health problems (Medical, Social Environmental, Economical, Psychological) of urban slum dwellers.          Organization of health services for slum dwellers.          Organization of health services in urban areas.          XIV HEALTH SYSTEM IN INDIA          XV HEALTH PLANNING &amp; MANAGEMENT INCLUDING DISASTER MANAGEMENT          Be an effective team leader.          Guide and train workers.          Supervision of workers and programmes.</p>
Assoc. Professor	Dr. Anil Sood	<p>Awareness regarding important health legislation in India such as Birth and Death registration act, Prevention of Food Adulteration (PFA) act, and MTP act.</p>

Asst. Professor	Dr. Hemalatha A J	<p>Work as a member of the health team; in planning and carrying our field work like school health.</p> <p>Environmental sanitation</p> <p>Collect water and stool samples for microbiological evaluation.</p> <p>Communicable and non-communicable diseases (including social problems)</p> <p>Eliciting clinico-social history and examining the patient for diagnosis and treatment.</p> <p>Assessing the severity and/or classifying dehydration in diarrhoea, upper respiratory tract infection, dog-bite, leprosy.</p> <p>Adequate and appropriate treatment and follow-up of leprosy, malaria, filariasis, rabies, upper respiratory tract infections, diarrhoea and dehydration.</p> <p>Advise on the prevention and prophylaxis of common diseases like vaccine preventable diseases, tetanus, malaria, filariasis, rabies, cholera, typhoid, intestinal parasites. Communication</p>
Asst. Professor	Dr. Sajjan Madappady	<p>Concepts in Health and Disease including Medical Sociology</p> <p>Environment and Health</p> <p>Occupational Health including Social Security</p> <p>Nutrition and Health including Food Hygiene and Legislation's Related.</p> <p>Principles and Methods in Epidemiology</p> <p>Principles of Basic and Applied Medical and Health Statistics</p> <p>Principles, Methods and Practice of Health Education</p> <p>Antenatal-examination of the mother; application of the risk approach in antenatal care.</p> <p>Postnatal - assessment of the mother and new born, advice on appropriate family planning method; promotion of breast-feeding; advice on weaning.</p>
Asst. Professor	Dr. Neha Verma	<p>Villages in India ; Indian cultural heritage; Indian systems of Medicine</p> <p>Environment and sustainable development</p> <p>Social Factors in Health &amp; Disease</p>
Asst. Professor	Dr. Gowthami	<p>conducting a diet survey.</p> <p>Community survey and clinical diagnosis of nutritional deficiencies : vitamin A deficiency, iodine deficiency, malnutrition.</p> <p>Making recommendation regarding diet</p>
Epidemiologist-Cum-Asst.Prof.	Dr. Sujatha M G	<p>Introduction to Basic Statistics;</p> <p>Demography and Family Welfare (including Integrated teaching along with Anatomy, Physiology and Obst. &amp; Gynaecology)</p>

Statistician-cum Tutor	Mr. Nandkishor Subhashrao W	<p>Imple random sampling technique.</p> <p>Apply appropriate (large sample) tests of significance to make a correct inference.</p> <p>Sample analysis and presentation of data.</p> <p>Calculation of various health indices.</p> <p>Calculation of relative and attributable risks.</p> <p>Calculation of sensitivity, specificity and predictive values of screening test.</p> <p>Antenatal-examination of the mother; application of the risk approach in antenatal care.</p> <p>Postnatal - assessment of the mother and new born, advice on appropriate family planning method; promotion of breast-feeding; advice on weaning.</p> <p>Assessment of growth and development of the child - use of the road to health, immunization to the child, identifying high-risk infants.</p> <p>Skills in Vaccine management</p>
Tutor	Dr. Gnashree.B.N	<p>Spotters from nutrition, environmental health and entomology, helminthes and Parasites, Occupational health, Immunization, MCH &amp; FP Devices, etc.</p>
Tutor	Dr. Avulla Prudvi Raj	<p>Problem solving exercises including epidemiology and biostatistics.</p> <p>Mental Health Care and Geriatrics</p> <p>Health Planning and Management including Disaster Management</p>
Tutor	Dr. Kalaiyazhagan M	<p>Clinico-Social case studies of common communicable diseases, non-communicable conditions and MCH &amp; FP beneficiaries.</p>
Tutor	Dr. Manjunath S	<p>M.C.H. Demography and Family Welfare.</p> <p>School Health Services</p> <p>National Health Programmes</p>
<b>GENERAL MEDICINE</b>		
Professor & HOD	Dr. Tejaswi C N	<p>Clinical approach to the patient: The art of medicine, doctor patient relationship, communication skill and doctor's responsibilities. Clinical Approach to disease and care of patient; Diagnostic possibilities based on interpretation of history, physical findings and atory investigations and principles of rational management.</p>
Professor	Dr. Satish Rai V	<p>Common symptoms of disease,Pain: Pathophysiology, clinical types, assessment and management,Fever: Pathophysiology of heat regulation, its disturbances, clinical types, clinical assessment and management.Cough, expectoration and hemoptysis.Dyspnoea, tachypnea, and cyanosis.</p>
Professor	Dr. Veeranna Gowda K M	<p>Common urinary symptoms including dysuria, oliguria. nocturia, polyuria, incontinence and enuresis.Edema and Anasarca.Shock and cardiovascular collapse.Cardiac murmurs: functional and organic.Anorexia, nausea and vomiting.</p>
Professor	Dr. Ramesh K N	<p>Constipation and diarrhoea.Hematemesis, melena and hematochezia. Jaundice and hepatomegaly,Abdominal swelling and ascites.Weight loss and weight gain.</p>

Professor	Dr. Jammula Prabhakar Patro	Fainting, syncope and seizures; headache, dizziness and vertigo, Paralysis, movement disorders and disorders of gait, Coma and other disturbances of consciousness. Pallor and bleeding. Enlargement of lymph nodes and spleen. Joint pain, and pain in the extremities and back.
Professor 29.11.2021	Dr. Suma. D	Nutrition/Exposure to Physical and Chemical Agents, Nutrition and dietary management. Nutritional requirements. Protein calorie malnutrition in adults. Obesity, Vitamin deficiency and excess.
Assoc. Professor	Dr. Prakasha Gundagatti	Fluid and electrolyte balance; acidosis and alkalosis in particular relevance to Poisoning: phenobarbitone, organophosphorous compounds, sedative/hypnotic, and other common poisons in the locality. Acute and chronic effects of alcohol and their management. Venoms, stings, insect bites: poisonous snakes, insects and scorpions
Asst. Professor	Dr. Leela	Disturbances of temperature: heat stroke, heat exhaustion and cold exposure. Drowning, electrocution and radiation hazards.
Asst. Professor	Dr. Rengaraj	Infections: Approach to infectious diseases, diagnostic and therapeutic principles. General principles of rational use of antibiotics and other chemotherapy against the Common gram positive infections. Common gram negative infections. Enteric fever. Cholera, gastroenteritis, food poisoning and dysentery, Influenza and other common viral respiratory infections
Asst. Professor	Dr. Debasish Barik	Rabies. Tetanus. Herpes simplex and herpes zoster. Amoebiasis and worm infestations. Malaria, filariasis, leishmaniasis. Common exanthemata. Blood group and transfusion: Major blood group systems and histo compatibility complex, concepts of transfusion and component therapy; indications for transfusion
Asst. Professor	Dr. Walter A	HIV infections and infections in the immuno-compromised conditions. Common sexually transmitted diseases. Common fungal infections. Viral encephalitis.
Asst. Professor	Dr. Abhishek Kumar Varma	Tuberculosis. Leprosy. Infectious mononucleosis, Brucellosis, Haematology, Anemias: iron deficiency, megaloblastic and common haemolytic anemias (thalassemia, sickle cell and acquired hemolytic).
Asst. Professor	Dr. Sridhar Sreenivasan G	Common bleeding disorders (thrombocytopenia and hemophilia). Agranulocytosis and aplastic anemia.
Asst. Professor	Dr. Arunl Gnana Shanmugam N S	Respiratory System Definition, prevalence, etiological factor, pathophysiology, pathology, recognition, Physiology and diagnostic methods: Sputum examination, X-ray chest, pulmonary function tests and bronchoscopy. Upper respiratory infections.

Asst. Professor  Senior Resident to Asst. Professor 01.07.2021	Dr. Shaama Ghungroo	Bronchiectasis and lung abscess. Bronchial asthma and tropical eosinophilia. Chronic obstructive airway disease and cor pulmonale. Acute and chronic respiratory failure.
Sr. Resident	Dr. Praneeth Suryadevara	Disease of pleura: effusion, empyema, pneumothorax. Pulmonary tuberculosis. Neoplasms of lung. Common occupational lung diseases.
Sr. Resident	Dr. Kavi Poornima D	Cardio vascular System, ECG, X-rays chest with reference to common cardiovascular diseases.
Sr. Resident	Dr. Niviea C	Infective endocarditis., Hypertension and hypertensive heart disease. Acute and chronic heart failure. Common congenital heart disease in adolescents and adults: ASD, VSD, PDA, TOF and Coarctation of aorta.
Sr. Resident	Dr. Swathi P	Common cardiac arrhythmias. Acute and chronic pericarditis, pericardial effusion and cardiac tamponade. Common aortic diseases; peripheral vascular disease: arterial and venous.
Sr. Resident	Dr. Manjunath M	Gastro-Intestinal, Tract, Stool examination, endoscopy in reference to common gastrointestinal diseases.
Sr. Resident	Dr. Nivedita Balasaheb Patil	Acid peptic disease. Malabsorption syndrome. Inflammatory bowel disease and irritable bowel syndrome. Acute and chronic hepatitis.
Jr. Resident	Dr. Manjunath Chandaki	Cirrhosis of liver. Abdominal tuberculosis. Emergency Medicine, Cardiopulmonary resuscitation. Cardiopulmonary resuscitation. Hypertension emergencies. Diabetic keto acidosis and hypoglycemia. Status epilepticus.
Jr. Resident	Dr. Basavesh S G	Acute severe bronchial asthma. Shock and anaphylaxis. Acute myocardial infarction. Upper GI bleeding and hepatic coma. Diagnosis and management of comatose patient. Management of unknown poisoning.
Jr. Resident	Dr. Sreekanth K	Neurological System, Cerebro vascular diseases. Meningitis: viral, bacterial and tuberculous. Peripheral neuropathy. Epilepsy. Extra pyramidal diseases.
Jr. Resident	Dr. C Chaitra	Common compressive and non-compressive spinal cord syndromes, Diabetes mellitus, Hypo and hyperthyroidism; Iodine deficiency disorders.
Jr. Resident	Dr. Dayanand Balajirao Gavali	Motor system disease, motor neuron disease, Calcium and phosphorus metabolism: parathyroid and metabolic bone disease.
Jr. Resident	Dr. Kothari Rishabh Pravin	Myasthenia gravis, Cushing's syndrome and Addison's disease, Pituitary disorders: Acromegaly and Sheehan's syndrome.



Jr. Resident	Dr. Saneep G	Common myopathies in India, Systemic lupus erythematosus, systemic sclerosis and other collagen vascular diseases, Gout, Arrive at a logical working diagnosis after clinical examination.
Jr. Resident	Dr. Santhosh L	Degenerative, nutritional and metabolic diseases of the nervous system, Obtain a proper relevant history, and perform a humane and thorough clinical examination including internal examinations (per-rectal and per-vaginal) and examinations of all organs/ systems.
Jr. Resident	Dr. Srikanth	Nephrology and Urinary System, Rheumatoid arthritis, Degenerative joint disease including cervical spondylosis.
Jr. Resident	Dr. Riddhi Jain	Acute renal failure, Chronic renal failure, Glomerulo nephritides and nephrotic syndrome, Urinary tract infections / pyelonephritis, Tubulointerstitial diseases and toxic neuropathies.
Jr. Resident	Dr. Vinay J P	Geriatric medicine: general principles of dealings with health problems of the elderly, Types, potential risks and their safe management.
<b>PAEDIATRICS</b>		
Dr. Majety Srinivas Rao	Professor & HOD	Common endocrinal disorders – hypothyroidism. Juvenile diabetes. Short stature-evaluation.
Dr. Mallikarjuna H B	Professor	Cerebral palsy. Mental retardation other than cerebral palsy. Hydrocephalus. Seizure disorders (including febrile seizures).
Dr. Sujay Kumar E	Assoc. Professor	Describe normal growth and development during foetal, neonatal, child and adolescence period. Describe the common pediatric disorders and emergencies in terms of epidemiology, etiopathogenesis, clinical manifestations, diagnosis, rational therapy and rehabilitation. State age related requirements of calories, nutrients, fluids, drugs etc. in health and disease. Describe preventive strategies for common infectious disorders, poisonings, accidents and child abuse. Outline national programmes relating to child health including immunization programmes.
Dr. Supriya N	Asst. Professor	neonates, make clinical diagnosis, conduct common bedside investigative procedures, interpret common atory investigation results and plan and institute therapy. Distinguish between normal newborn babies and those requiring special care and institute early care to all newborn babies including care of preterm and low birth weight babies
Dr. Basavaraj C	Asst. Professor	resuscitate newborn infants at birth, prepare oral rehydration solution, perform tuberculin test, administer vaccines available under current national programmes, perform venesection, start an intravenous line and provide nasogastric feeding.
Dr. Chethana Prabhakar	Asst. Professor	Would have observed procedures such as lumbar puncture, liver and kidney biopsy, bone marrow aspiration, pleural tap and ascitic tap

Dr. Sushma C	Asst. Professor	Introduction to age related disorders
Dr. Jose	Asst. Professor	IMR, PMR, EPMR,
Dr. Bidisa	Sr. Resident	Child Mortality and Morbidity.
Dr. Gowtham B C	Sr. Resident	Preventive pediatrics
Dr. Narendar B R MBBS, DNB	Sr. Resident	Normal nutritional requirements of different age groups. Breast feeding & lactation failure management, Infant feeding. Protein Energy malnutrition Part I.,Protein Energy malnutrition Part II. Vitamin deficiencies – Fat soluble.. Vitamin deficiencies – Water soluble.
Dr. Vinayakumar Mojjari	Sr. Resident	Neonatal jaundice,Prolonged cholestatic jaundice. Neonatal infection.
Dr. Sudhakar S MBBS,MD	Jr. Resident	Shock in children.Poisoning in Children - Prevention/Management, Snake bite and Scorpion sting.
Dr. Sneha Gagadharan K MBBS,MD	Jr. Resident	Leukemia lympho-reticular malignancy. Nutritional anaemia. Hemolytic anaemia
Dr. Sriramajayam MBBS,MD	Jr. Resident	Neontology
Dr. Nanda Kishor R MBBS,MD	Jr. Resident	Acute upper respiratory tract infections including Croup syndrome. Acute LRTI (Pneumonia & Bronchiolitis).. Foreign body and suppurative lung disease.
Dr. Priya B N MBBS,MD	Jr. Resident	Leukemia lympho-reticular malignancy.Nutritional anaemia. Hemolytic anaemia
Dr. Gaurav Kishore MBBS,MD	Jr. Resident	HIV infection (prenatal / perinatal / postnatal) Dengue hemorrhagic fever.
<b>PULMONARY MEDICINE</b>		
Professor	Dr. Saroja B G	interview the patient, elicit relevant and correct information and describe the history in chronological order; manage common diseases recognising need for referral for specialised care, in case of inappropriateness of therapeutic response
Assoc. Professor	Dr. Sandeepa H S	conduct clinical examination, elicit and interpret clinical findings and diagnose common respiratory disorders and emergencies;

Asst. Professor	Dr. Jyothi	perform simple, routine investigative and office procedures required for making the bed side diagnosis, especially sputum collection and examination for etiologic organisms especially acid fast bacilli (AFB), interpretation of the chest x-rays and respiratory function tests;
Asst. Professor	Dr. V Joseph Bala Sireesha	interpret and manage various blood gases and pH abnormalities in various respiratory diseases;
Sr. Resident	Dr. Lokeshwar Reddy	manage common diseases recognising need for referral for specialised care, in case of inappropriateness of therapeutic response;
Jr. Resident	Dr. Gollagunta Jyoti Swaroop	assist in the performance of common procedures, like laryngoscopic examination, pleural aspiration, respiratory physiotherapy, laryngeal intubation and pneumo-thoracic drainage/ aspiration
Jr. Resident	Dr. Prafulla M	interpret and manage various blood gases and pH abnormalities in various respiratory diseases;
<b>DERMATOLOGY</b>		
Professor & HOD	Dr. Manjunath Swamy B S	Contact Dermatitis; Urticaria Vesiculobullous Diseases ; Disorders of Pigmentation,History taking and examination ; anatomy & lesions of skin
Assoc. Professor	Dr. Abhineetha Hosthota	Diseases caused by Nutritional and Environmental Factors Pyodermas ; Viral infections; Fungal Infections ; Atopic dermatitis,Parasitic infections; Viral infections ; Acne vulgaris
Asst. Professor	Dr. Bindu Shree R	Alopecia and Hirsutism; Sebaceous Glands and Diseases ; Leprosy ; Genital ulcerative diseases ; Genital discharge diseases.Bacterial Infections ; fungal Infections; Examination of leprosy case
Asst. Professor	Dr. Sanjay Thejaswi R	Dermatological therapy,Vitiligo; Pemphigus
Sr. Resident	Dr. Priyanka Reddy R	Diseases Of Sweat Glands; Parasitic infections,Bullous pemphigoid
Jr. Resident	Dr. Chandan B C	Psoriasis; Psoriasis
Jr. Resident	Dr. Chaganam Kavya	Lichen planus,Eczema
Jr. Resident	Dr. V Bhavana	Eczema ,Lichen planus
<b>PSYCHIATRY</b>		
Professor & HOD	Dr. Swapna B	Classificatory systems in psychiatry 2. Anxiety disorders 3. Suicide 4. BPAD and mania 5. Intellectual disability and learning disability
Assoc. Professor	Dr. Kartik Kashyap	1. Somatoform disorders 2. OCD
Asst. Professor	Dr. Raghul Raj	1. Substance use disorders 2. Alcohol dependence syndrome
Sr. Resident	Dr. Rama Krishna Vignesh M	1. Psychopharmacology 2. Personality disorders 3. Depressive disorders 4. ADHD and Autism spectrum disorders 5. Psychotherapies
Sr. Resident	Dr. Sinu Varghese	1. Introduction, normality and mental health 2. psychiatric emergencies 3. Organic psychiatric disorders- Delirium and dementia 4. Schizophrenia 5. Psychological assessment 6. Intelligence testing

Jr. Resident	Dr. Shamshuddin	1. Psychopharmacology 2. Personality disorders 3. Depressive disorders 4. ADHD and Autism spectrum disorders 5. Psychotherapies
Jr. Resident	Dr. Vishal Chavan S	1. Introduction, normality and mental health 2. psychiatric emergencies 3. Organic psychiatric disorders- Delirium and dementia 4. Schizophrenia 5. Psychological assessment 6. Intelligence testing
<b>GENERAL SURGERY</b>		
Professor & HOD	Dr. Shashikala V MBBS,MS 25598	INTESTINAL OBSTRUCTION: Pathology ,Signs and symptoms ,Management ,Volvulus of sigmoid and small bowel Paralytic ileus.,SPECIFIC OBSTRUCTIONS:,APPENDIX: ,Intussusception , Appendicitis,Complications and Management,RECTUM AND ANAL CANAL:,Anatomy,Imperforate anus,Ano-rectal abscess,Haemorrhoids, Fissures, Fistulae.Ano-Rectal carcinoma,Rectal polyp,Prolapse rectum
Professor	Dr. Satish V MBBS,MS 16116	Describe aetiology, pathophysiology, principles of diagnosis and management of common surgical problems including emergencies, in adults and children; define indications and methods for fluid and electrolyte replacement therapy including blood transfusion; define asepsis, disinfection and sterilization and recommend judicious use of antibiotics; describe common malignancies in the country and their management including prevention; enumerate different types of anaesthetic agents, their indications, mode of administration, contra indications and side effects. <del>diagnose common surgical conditions both acute and chronic in adult and children:</del>
Professor	Dr. Chinnaiah E MBBS,MS 90722	Plan various atory tests for surgical conditions and interpret the resultsidentify and manage patients of haemorrhagic, septicaemic and other types of shock,be able to maintain patent air-way and resuscitate. patient with cardio-respiratory failure;a drowning case; monitor patients of head, chest, spinal and abdominal injuries, both in adults and children.
Assoc. Professor	Dr. Narasimhaiah MBBS,MD 39419	Provide primary care for a patient of burns;In the situations identified in and calling for urgent or early surgical intervention, refer at the optimum time to appropriate centres; acquire principles of operative surgery, including pre-operative, operative and post operative care and monitoring.
Assoc. Professor	Dr. Jose V Fransico Pinto Menezes MBBS,MS 84048	treat open wounds including preventive measures against tetanus and gas gangrene;diagnose neonatal and paediatric surgical emergencies and provide sound primary care before referring the patient to secondary/tertiary centers
Asst. Professor	Dr. Srinivasalu Y MBBS,MS 51984	Identify congenital anomalies and refer them for appropriate management,In addition to the skills referred above in items he shall have bserved/assisted/performed the following:Incision and drainage of abscess; Debridement and suturing open woundVenesection;

Assoc. Professor Asst. Prof. to Assoc. Professor 10.12.2021	Dr. Chandrashekhar MBBS,MS 20908	discharge effectively medico-legal and ethical responsibilities. Introduction to Surgery, Historical background and progress made. Haemorrhage and Shock: Etiology Pathology Symptomatology, Management
Asst. Professor	Dr. Tejus V Nagi Reddy MBBS,MS 100059	Fluid, Electrolyte and Acid Base Balance, Nutrition, Introduction to Physiology of fluids and Electrolytes, Dehydration and over hydration, Specific electrolyte losses and symptomatology and management.
Asst. Professor	Dr. Deepak K L MBBS, MS, M.Ch. Plastic Surgeon 33589	Hypokalaemia, Hyponatraemia, Hypocalcaemia, Acidosis, Alkalosis, Acid Base balance, Electrolyte changes in specific diseases, Various replacement fluids in Surgery, mode of administration and complications.
Asst. Professor	Dr. Priyadarshani Rao C M MBBS,MS KMC - 110592	Blood grouping, Blood transfusion and its hazards, Nutrition - pre-operative, post-operative, intravenous alimentation. Skin tumours, Burns, Skin Grafting, Arterial diseases, Investigations
Asst. Professor	Dr. Santhosh N MBBS,MS 91108	Assessment of a case of peripheral vascular disease, Thrombosis and Embolism, Thromboangitis obliterans, Arterio sclerosis, Atherosclerosis and Aneurysms, Gangrene, Conservative management of an ischaemic limb
Asst. Professor	Dr. Koustubh Jeevan Gaonkar MBBS,MS 98977	Surgical management of an ischaemic limb – direct arterial surgery. Venous diseases: Varicose veins, Superficial and deep vein thrombosis, Chronic venous ulcers. Lymphatics and Lymphnodes
Asst. Professor	Dr. Suhas N Bhushan MBBS,MS 108945	Lymphangitis and lymphatic obstruction (filariasis), Diseases of lymphnodes, Acute inflammation, Chronic inflammation, The Reticulosis
Asst. Professor	Dr. Akshay Pai A MBBS, MS.M ch- Plastic Surgery 86523	Wounds, wound healing and wound management, Acute non-specific and specific infections, Chronic, specific infections, Tumours, Cysts, Ulcers and Sinuses and Fistulae, Infections of the hand and foot, Diseases of muscles, tendons, bursae and fascia.
Asst. Professor	Dr. Vinay S MBBS,MS 114730	Hernia : Inguinal hernia, Femoral hernia, Umbilical hernia, Epigastric hernia, Umbilical Granuloma
Asst. Professor	Dr. Vedavathi K Nandini MBBS,MS 100099	Incisional Hernia- Complications and Management, Umbilical Fistula, Umbilical adenoma or raspberry tumour, Abdominal wall – Anatomy, Incisions, Burst abdomen, Desmoid tumor.

Sr. Resident	Dr. Vishnu Sreekanth B MBBS,MS 82864	MOUTH: Ranula,Cancrum Oris,Lingual and Sublingual dermoids,Carcinoma cheek,TONGUE Hyperkeratosis and leukoplakia,Carcinoma tongue,Sternomastoid tumor.
Sr. Resident	Dr. Thanuja R MBBS,MS 113910	SALIVARY GLANDS: Inflammation,Salivary calculi,Neoplasm,Thoracic outlet syndrome,Cervical lymphadenitis,Differential diagnosis of swellings of the neck
Sr. Resident	Dr. Sukesh Sindhey S MBBS, MS, M.Ch. Urology 80840	NECK:Branchial cyst and fistula,Cystic Hygroma and solitary lymphatic cyst
Sr. Resident	Dr. Praveen B MBBS, MS, DNB Urology 75198	Excision,Biopsy of surface malignancy,Catheterisation and nasogastric intubation;Circumcision, Meatotomy,Vasectomy, Peritoneal and pleural aspirations,Diagnostic proctoscopy, Hydrocele operation, Endotracheal intubation, Tracheostomy and cricothyroidotomy.Chest tube insertion.
Sr. Resident	Dr. Salman Ahmed F MBBS,MS 110818	develop adequate and right attitude in dealing with surgical problems of patients;organise and conduct relief measures in situations of mass casualties.effectively participate in the National Health Programmes especially the Family Welfare Programme.
Sr. Resident	Dr. Karthik M MBBS,MS 114307	FACE:Development and Congenital anomalies,Cleft lip and cleft palate, Carcinoma lip,Rodent ulcer, Fascio-Maxillary injuries
Jr. Resident	Dr. Anusha H.L MBBS 123979	TEETH:Dental Caries, Alveolar abscess GUMS:Gingivitis and pyorrhoea, tumours of the alveolus (epulis), odontomes, tumors of the jaw.
Jr. Resident	Dr. Suvetha P MBBS	THYROID GLAND, THYROGLOSSAL TRACT AND ENDOCRINES,Development, Anatomy, Physiology and Investigations,Different Non-toxic goitre, Toxic goitre,Single nodule in the thyroid gland,Hashimoto's disease
Jr. Resident	Dr. Manohara.K MBBS 124741	Carcinoma of the thyroid,Thyroglossal cyst and fistula, Parathyroids and adrenals and thymus.BREAST:Anatomy and lymphatic drainage, Inflammation of the breast,Benign breast diseases, nipple discharge,Benign breast diseases, nipple discharge,Malignant tumors of the breast
Jr. Resident	Dr. Pruthiv Naik MBBS 130656	Anatomy, Indications for sympathectomy,Cervical sympathectomy,Lumbar sympathectomy, CRANIO – CEREBRAL INJURIES:Mechanism, Pathology and Investigations and Management, Cerebral concussion, contusion and laceration
Jr. Resident	Dr. Syed Mohamod Faizan Razvi MBBS 122288	Acute extradural haematoma, Acute intracerebral and chronic subdural haematoma, Acute intracerebral haematoma, Fractures of the skull,DISEASES OF THE BRAIN: Intracranial abscesses,Intracranial tumors,Hydrocephalus, Injuries of nerves and nerve regenerationSymptomatology and investigations of a genito-urinary case
Jr. Resident	Dr. Aditya .M. Gopi MBBS 126688	DISEASES OF THE NERVES:GENITO URINARY SYSTEM: NECK:KIDNEYS AND URETER:Congenital anatomy – Polycystic kidney, Trauma,Anuria and dialysis,Hydronephrosis,Renal and Ureteric calculi,Tuberculosis of kidney,Neoplasms

Jr. Resident	Dr. Keshav Chandra R MBBS 126410	URINARY BLADDER:Facial nerve,Congenital anamoly – Ectopia vesicae,Trauma – Rupture bladder,Retention of urine and cystitis,Hydrocele and Haematocele
Jr. Resident	Dr. Shashank N K Achar MBBS 116676	Retention of urine and cystitis, Vesical calculi,Retention of urine and cystitisTestis: Varicocele,Neoplasms,Scrotum: Fournier’s gangrene, Carcinoam-scrotum,VASECTOMY AND RECANALISATION:Indications, Techniques
Jr. Resident	Dr. Anirudh MBBS 129106	PROSTATE: Surgical anatomy, Benign enlargement,Carcinoma,URETHRA: Rupture,Stricture and its complications,PENIS, TESITS AND SCROTUM:Penis: a. Phimosis, Paraphimosis, Pre-cancerous conditions of the penis, Carcinoma penis.Tubercular epididymitis and acute epididymo-orchitis. Techniques
Jr. Resident	Dr. S Senthamizhan MBBS TNMC133633	CARDIOTHORACIC SYSTEM:Injuries to the thorax, Infections: i. Empyema thoracis, Suppurative conditions of the lungs and pleura, Malingancy: Miscellaneous,Investigations of G.I.tract-general,Dysphagia, differential diagnosis, investigations, management,Achalasia cardia, Reflux oesophagitis and hiatus hernia, Carcinoma oesophagus
Jr. Resident	Dr. Akshay Singhvi MBBS MYP20190000130KTK	STOMACH AND DUODENUM:Congenital pyloric stenosis,Acute dilatation of the stomach,Peptic ulcer, Complications of Peptic ulcer,Malignancy, SPLEEN:LIVER, Liver abscess
<b>ORTHOPEDICS</b>		
Professor	Dr. Mohammed Tauheed	Fracture – general types – healing of fractures – principles and management – diagnosis – methods of reductions – immobilization –complications of fractures – management of open fractures – pathological fractures. Injuries of shoulder – arm – forearm. Fracture clavicle, injuries of Acromio clavicular joints. Fracture scapula, upper end of humerus. Dislocation of shoulder–acute and recurrent. Fracture shaft humerus. Fractures around the elbow, radius, ulna. Monteggia fracture, dislocation – Injuries around the wrist. Fracture scaphoid bone. Dislocation of lunate. Injuries of the hand: Incidence – closed injury – fracture – metacarpal – Bennett fracture & dislocation, open injuries – tidy injuries – tendon injuries Pop slab application.
Assoc. Professor	Dr. Siddalingeshwar V Honnur	Dislocation of hip, Fracture neck of femur, trochantric fracture, fracture shaft femur. Injuries of knee – fracture tibia – fracture dislocation ankle – fracture calcaneum. Traction splintage – below knee slab and above knee slab.
Assoc. Professor	Dr. Akshay T M	Incidence – mechanism, types, clinical features – cord injury – traumatic Paraplegia, Nerve injury : Anatomy of a peripheral nerve- pathology – classification – diagnosis – management – Radial, Ulnar, Median, Sciatic, Lateral Popliteal.

Asst. Professor	Dr. Siddalingeshwara G I	Types, sub fascial compression, Brachial artery injury, Popliteal artery injury, Cerebral Palsy: Clinical features, management Anterior Poliomyelitis: Pathology; clinical features management, surgery. Leprosy: Pathology – Orthopaedic problems – Claw hand, Foot drop – Wrist drop – Rehabilitation. Infections: Pyogenic osteomyelitis – acute, chronic, subacute – Brodie's abscess – Mycotic infection – Syphilitic lesions. Metabolic disorders: Rickets – Osteomalacia – Osteopetrosis, Scurvy – Gout Miscellaneous: Paget disease – Bone cyst – Medullary deformities Diseases of joints: Clinical examination – synovial fluid: normal, septic arthritis – Rheumatic and Rheumatoid diseases, Haemophilic arthritis.
Asst. Professor	Dr. Rajeevratna Suresh Naik	Tibial artery injury.
Asst. Professor 29.07.2020	Dr. Yaseen M	Amputations: General indications – levels, technique above knee amputation, below knee stump, Symes amputation – upper limb amputation, prosthesis.
Asst. Professor	Dr. Abdul Qadeer Patwegar	I. Deformities: General – congenital – acquired – principles of management, splints, Club foot, CDM – Congenital skeletal limb deficiencies,
Asst. Professor	Dr. Sunil S	Neck – Torticollis – Inter vertebral disc prolapse. Cervical rib
Sr. Resident	Dr. Joel Prasad G L	Shoulder, elbow – peri arthritis – painful arc syndrome, Tennis elbow,
Sr. Resident	Dr. Naveen Kumar B M	Cubitus Varus – Valgus.
Sr. Resident	Dr. Lohith M	Wrist and Hand: wrist drop – claw hand, ganglion. Dupuytren's contracture, deQuervain's disease, trigger thumb – Carpal tunnel syndrome
Jr. Resident	Dr. Bharath D	Spine: Backache – examination – Spondylolisthesis
Jr. Resident	Dr. Nirupama S	Hip: Clinical Examination – Perthe's disease, Tumours: benign and malignant bone tumours
Jr. Resident	Dr. Sharmila A	Knee: Genu valgum, varum, recurvatum – recurrent dislocation of Patella
Jr. Resident	Dr. Dinesh Kumar	Semi membranous – Bursa.



Jr. Resident	Dr. Tejaswi K B	Foot: Planter Fasciitis – Flat foot – Foot drop, Benign: Osteo chondroma, Enchondroma Malignant: Osteosarcoma, Osteoclastoma, Ewing's tumour, Multiple myeloma, secondaries
Jr. Resident	Dr. Vivekanand D Hiremath	Aetio pathogenesis – clinical features – management. Tuberculosis of spine, Pott's paraplegia, Tuberculosis of hip, knee and other joints.
<b>ENT</b>		
<b>DESIGNATION</b>	<b>FACULTY</b>	<b>TOPICS</b>
Professor & HOD	Dr. Sudhir M Naik MBBS,MS	Describe surgical anatomy and physiology of Ear, Nose and Throat and Head and Neck Describe basic Patho-Physiology of common ear, nose and throat diseases and emergencies. Suggest common investigative procedure and their interpretation. Describe common infective conditions of ENT and treat them. Identify congenital deafness as early as possible. ino nasal polyposis – Diagnosis and management. Mastoidectomy- principles. Tumours of the ear- Glomus, Acoustic neuroma. Chronic infections of Larynx – Chronic nonspecific and specific laryngitis, granulomatous conditions of larynx. Neurological infections of larynx – Cord palsy - Diagnosis and management. Tumours of larynx – Diagnosis of laryngeal tumours and management.
Professor	Dr. Mohan G MBBS,MS	
Assoc. Professor	Dr. Smitha Chandra MBBS,MS	Examine and diagnose common disorders of the Ear, Nose and Throat region and manage at first level of care. Recognize premalignant and malignant cases of head and neck region at an early stage. Remove foreign bodies in the ear and nose. Perform life saving surgical procedures like tracheostomy. Should be familiar with drainage of intra oral and neck abscesses. Able to do anterior and posterior nasal packing to control epistaxis.
Asst. Professor	Dr. Vineetha J Malayil MBBS,MS	Examination of the Ear: Tuning Fork tests; hearing assessment in children – broad outline, referred pain in the ear, otalgia, tinnitus, Deafness: Types and causes, Diseases of the external ear: perichondritis, otitis externa, cerumen, foreign body, furunculosis, keratosis.

Senior Resident	Dr. Sudha R MBBS,MS	Audiometry – pure tone, Functional examination of inner ear (vestibule): caloric test, positional nystagmus test, Deaf mutism. Meniere’s disease. Complications of otitis media: Mastoiditis (acute and chronic), lateral Sinus thrombosis, labyrinthitis, otogenic brain abscess.
Senior Resident	Dr. Aditi R MBBS,MS	Foreign body in the nose – Classification of foreign bodies & management of animate and inanimate foreign bodies, Rhinolith. Causes of epistaxis and management. Diseases of nasal septum – Haematoma, abscess, DNS, perforation. Diseases of nasal cavity – Acute rhinitis, Nasal Diphtheria, Granulomatous conditions of the nose, allergic rhinitis, vasomotor rhinitis, atrophic rhinitis, fungal infections of nose and paranasal sinuses. Diseases of PNS: Acute and Chronic sinusitis. Complications of sinusitis and management. S Basic principles of FESS (Functional Endoscopic Sinus Surgery) Tumours of the nose and PNS – Benign tumours like papilloma, inverted papilloma, fibrous dysplasia. Malignant tumours like squamous cell carcinoma, Melanoma, Olfactory neuroblastoma. Diseases of the Nasopharynx Surgical anatomy and physiology of nasopharynx. Nasopharyngeal carcinoma – diagnosis and management. Adenoid – diagnosis and management. Juvenile angiofibroma: Diagnosis and management Diseases of the Pharynx Surgical anatomy and physiology of oral cavity, oropharynx, tonsils, Waldeyer’s ring, Anatomy of retropharyngeal and parapharyngeal spaces. Physiology of mastication. Diseases of the tonsils: acute and chronic tonsillitis, Vincent’s angina, Diphtheriatic tonsillitis - diagnosis and management. Neck space infections and abscess – Retropharyngeal, parapharyngeal abscess, peritonsillar abscess, Ludwig’s angina. Surgical anatomy and physiology of salivary glands, submandibular Sialadenitis, Salivary calculii, Parotitis, tumours of salivary glands.
Jr. Resident	Dr. Prajwal Gowda P R MBBS,MS	Diseases of the Larynx, Surgical anatomy and Physiology of Larynx with reference to phonation and respiration. Acute infection of the larynx – Acute laryngitis, LTB, Diphtheretic laryngitis, Acute epiglottitis. Stridor – Causes of stridor and management. Hoarseness of voice – History taking, causes, management. Diseases of Trachea, Surgical anatomy of trachea, stridor, tracheostomy in detail. Oesophagus Surgical anatomy, physiology of deglutition. Causes of dysphagia, diagnosis and management. Diseases such as congenital atresia, injuries (traumatic and chemical), Foreign body, Oesophagoscopy Neurological problems and oncology. Bronchoscopy – Indication, contraindication and complications of foreign body in bronchus.

Jr. Resident	Dr. J Sarah Bai MBBS,MS	Diseases of Trachea,Surgical anatomy of trachea, stridor, tracheostomy in detail.
<b>OPHTHALMOLOGY</b>		
Professor & HOD	Dr. Ajay K	Cornea, Lens, Eyelids and Adnexa, Retina, Vitreous
Asst. Professor	Dr. Shweta Sulabh	Refractive Errors, Cornea, Glaucoma, Community Ophthalmology
Asst. Professor	Dr. Preethi G	Glaucoma, Retina, Strabismus, Trauma, Uvea
Asst. Professor	Dr. Shalini Vas	Retina, Neuroophthalmology
Senior Resident	Dr. Nithiya Joe Babu	Optic Nerves, Orbit, Systemic Ophthalmology
Senior Resident	Dr. Arpita	Conjunctiva, Sclera
Jr. Resident	Dr. Sripriya P	Anatomy, Refraction
Jr. Resident	Dr. Aarthi Agarwal	Examination of the eye, Instrumentation in Ophthalmology
<b>ANAESTHESIA</b>		
Professor & HOD	Dr. Saraswathi Devi	History and Scope of Anesthesia, Anatomy of upper airway, local Anaesthesia : The pharmacology of local anaesthetics, their use and how to perform simple nerve blocks like - Infiltration anaesthesia, - Digital block,- Ankle block,- Pudendal and paracervical blocks, Management of complication of regional anaesthesia
Professor	Dr. Narasimha Reddy B	Physiology of Respiration, O <sub>2</sub> / Co <sub>2</sub> Transport, Various methods of oxygen therapy and its indications.
Assoc.Professor	Dr. Narayana Swamy D K	Pre-Operative Evaluation / Pre-Medication
Assoc.Professor	Dr. Apoorva Gupta	Inhalation Anaesthetic agents, Stages of Anaesthesia
Assoc.Professor	Dr. Naveen S	The principles and mechanism of administration of general anaesthetics, Balanced Anaesthesia
Asst. Professor	Dr. Gayathri Krishnareddy	IPPV, Endotracheal Intubation
Asst. Professor	Dr. Amrutha S	Muscle Relaxants
Asst. Professor	Dr. Prashantha Kumar H M	Anaesthesia Spinal / Epidural

Asst. Professor	Dr. Praveen Kumar	Cardio pulmonary resuscitation (C P R ) basic, including use of simple ventilators
Asst. Professor	Dr. Sandipan Bandyopadhyay	Monitoring, ICU, Role of anaesthesiologists in ICU
Asst. Professor	Dr. Poornima S	shock, Blood Transfusion, and Fluid Electoral Balance (Basic)
Assistant Professor	Dr. Vandana V	Poisoning,Sites of respiratory obstruction and management of airway in an unconscious patient
Sr. Resident	Dr. Arpitha Das	Role of anaesthesiologists in acute and chronic pain relief.
Sr. Resident	Dr. Ramya Rao	The principles and mechanism of administration of general anaesthetics, Balanced Anaesthesia
Junior Resident	Dr. Harish Kumar J N	IPPV, Endotracheal Intubation
Junior Resident	Dr. K Theja	Muscle Relaxants
Junior Resident	Dr. Gowtham S	Poisoning,Sites of respiratory obstruction and management of airway in an unconscious patient
Junior Resident	Dr. Resham	Poisoning,Sites of respiratory obstruction and management of airway in an unconscious patientshock, Blood Transfusion, and Fluid Electoral Balance (Basic)
Junior Resident	Dr. Aashik P	Cardio pulmonary resuscitation (C P R ) basic, including use of simple ventilators
Junior Resident	Dr. Namratha B	IPPV, Endotracheal Intubation
<b>RADIO-DIAGNOSIS</b>		
Professor & HOD	Dr. Suresh. P	Basics of Nuclear magnetic resonance and MRI,Basics of chest, abdomen, Basics of CT and MRI
Assco. Professor	Dr. Purushothama Raju	Basics of CT and MRI
Asst. Professor	Dr. Nandish H R	Bone tumours, metabolic bone disorders, radiology of upper limbs
Asst. Professor	Dr. Lakshmeesha M T	Basics of X ray and Computed Tomography,Introduction to radiology, various radiology modalities, Bone tumours, metabolic bone disorders, radiology of upper limbs
Asst. Professor	Dr. Giri Prabhu V B	Barium studies,Basics of chest X ray
Sr. Resident	Dr. Divyashree T N	Barium studies,Basics of chest X ray
Sr. Resident	Dr. Jagadish Basavaiah	Skeletal radiology ,Abdomen radiology

Sr. Resident	Dr. Elluru Santosh Kumar	Skeletal radiology ,Abdomen radiology
Sr. Resident	Dr. Joel Machado	Metabolic bone disorders, radiology of lower limbs
Sr. Resident	Dr. Mourish A	Basics of ultrasound ,Metabolic bone disorders, radiology of lower limbs
Jr. Resident	Dr. Meghanath N	Basics of Chest X ray,Radiology of lung
Jr. Resident	Dr. Kollu Teja Sai	Radiology of heart ,Radiology of heart
Jr. Resident	Dr. Nikitha Banu N	Mammography,Radiology of Heart failure
<b>OBSTETRICS &amp; GYNAECOLOGY</b>		
Professor & HOD	Dr. Saxena Rajiv Kumar	Anatomy of female pelvic organs, Induction of labour, IUFD, Uterovaginal prolapse, Multiple pregnancy, GDM, Hypertensive disorders of pregnancy, stages of labour
Professor	Dr. Nandish S Manoli	Development of female genital tract, Obstructed labour, APH, PPH, Cord prolapse, FGR, PID, Normal mechanism of labour
Professor	Dr. Veena Vidyasagar	Puberty, Contracted pelvis, Medical disorders of pregnancy, Antepartum fetal surveillance, Rh negative pregnancy, AUB, Forceps, Vacuum, Operative obstetrics
Assoc. Professor	Dr. Manjula H.M	Menopause, fundamentals of reproduction, placenta and fetal membranes, the fetus,Breech presentation
Asst. Professor	Dr. Lakshmi S	Obstetric history taking, fetal skull and maternal pelvis, antenatal care, pre conceptional counselling, normal labour,Physiology of menstruation, physiological changes of pregnancy, endocrinology of reproduction, diagnosis of pregnancy, The fetus in utero
Asst. Professor	Dr. Megha S Zarikar	Gynecological history taking, vomiting in pregnancy, hemorrhage in pregnancy, polyhydramnios, cord and placental abnormalities
Asst. Professor	Dr. Krithika K	Anemia, gynecological disorders of pregnancy, post mature fetus, BOH, VBAC, malpresentation, prolonged labour
Asst. Professor	Dr. Reelkar Purva Vijay	Mechanism of labour, complications of this stage of labour, injuries to birth canal, abnormal puerperium, the newborn infant
Asst. Professor	Dr. Megha Dilip Hittinhalli	Preterm, low birth weight baby, diseases of th fetus and newborn, drugs used in pregnancy
Sr. Resident	Dr. Kalpana T Gambhir	PROM, safe motherhood and epidemiology in obstetrics, carcinoma ovary, carcinoma cervix, screening of cervical cancer
Sr. Resident	Dr. Sowparnika S N	Post datism, shock in obstetrics, endoscopy in gynecology, Teratogenic drugs, FDA categories of drugs, genital fistulae
Sr. Resident	Dr. Abirami G	Normal puerperium, radiology in obstetrics, amniocentesis, Contraception, Endometrial cancer, PCOS, Endometriosis, Adenomyosis
Sr. Resident	Dr. Meghana T	Abortion,Menstruation, STDs, Dysmenorrhoea, Infertility, Pelvic tuberculosis, maternal mortality, anatomy of ureter and its importance
Jr. Resident	Dr. Tanuja R	MTP, benign lesions of vulva, operative gynecology,primary amenorrhoea
Jr. Resident	Dr. Sanjana Jagadeesh	RPL, benign lesions of vagina, adolescent gynecology, malposition
Jr. Resident	Dr. Raghunandan Manjappa K	Previous LSCS, benign lesions of ovary, hormone therapy, secondary amenorrhoea,

Jr. Resident	Dr. Monica B	Ectopic pregnancy, benign lesions of cervix, principles of radiotherapy, premalignant lesions of cervix and vagina,
Jr. Resident	Dr. Nandini B	GTN, benign lesions of uterus, principles of chemotherapy, Abnormal puerperium,
Jr. Resident	Dr. Anubha Kataria	Physiology of labour, urinary problems in gynecology, disorders of sexual development, Uterine dysfunction