



MAHATMA GANDHI MISSION

## MGM INSTITUTE OF PHYSIOTHERAPY

MGM Campus, N-6, CIDCO, Chhatrapati Sambhajnagar - 431003 (Maharashtra - India)

Ph No. : 0240 - 6482000 (Ext. 2914, 15), Email : mgmiop@mgmiop.edu.in

Website : www.mgmiop.edu.in

(Affiliated to Maharashtra University of Health Sciences, Nashik)

### Course Outcomes

Name of the programme	BPT
Name of the course	Human Anatomy

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 1	know, identify & describe anatomical aspects of human body - musculoskeletal system, neuro anatomy, thorax, circulatory and systemic anatomy	PO1 PO2	Didactic lecture, Demonstration Charts, Models, Dissection, Radiograph Practical	Theory Spots Practical Viva voce
CO2	Level 2	To understand the anatomical basis of various clinical conditions e.g.trauma, deformities, pertaining to limbs & spine.	PO1 PO2	Didactic lecture, Demonstration Charts, Models, Dissection, Radiograph Practical	Theory Spots Practical Viva voce
CO3	Level 2	Integrate knowledge of anatomy in the clinical condition	PO1 PO2	Didactic lecture, Demonstration Charts, Models, Dissection, Radiograph Practical	Practical



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### Course Outcomes

Name of the programme	BPTh
Name of the course	Human Physiology

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 2	Know the physiological functions of various systems the body	PO1 PO2	Didactic lecture, Demonstration Charts, Models, Dissection, Radiograph Practical	Theory Spots Practical Viva voce
CO2	Level 2	Understand the physiological basis of various conditions of the body	PO1 PO2 PO3	Didactic lecture, Demonstration Charts, Models, Dissection, Radiograph Practical	Theory Spots Practical Viva voce
CO3	Level 3	Acquire and demonstrate the skills of basic clinical examination	PO1 PO2 PO3 PO4	Didactic lecture, Demonstration Charts, Models, Dissection, Radiograph Practical	Practical



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### Course Outcomes

Name of the programme	BPTH
Name of the course	Biochemistry

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 1	Know the various biochemical and bimolecular substances present in our body and its function	PO1	Didactic lecture	Theory
CO2	Level 1	Know the normal levels in body fluids required for functioning and their abnormal levels to understand the disease process	PO1 PO2	Didactic lecture	Theory
CO3	Level 2	Understand formation and fate of the biochemical and bimolecular substances present in our body	PO2	Didactic lecture	Theory



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### Course Outcomes

Name of the programme	BPTh
Name of the course	Fundamentals of Kinesiology and Kinesiotherapy

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 1	Know various terms related to biomechanics and kinesiology	PO1	Didactic Lecture	Theory
CO2	Level 1	Know basic and fundamental principles of biophysics related to mechanics of movement and motion and understand the application of these principles.	PO1	Didactic Lecture	Theory
CO3	Level 1	Know the physiological basis and principles of therapeutic gymnasium, massage, goniometry, aerobic exercise, relaxation, starting positions, derived positions, therapeutic gymnasium, fitness skills, and yoga	PO1	Didactic Lecture	Theory
CO4	Level 3	Demonstrate the skills of therapeutic massage, goniometry, aerobic exercise, relaxation, starting positions, derived positions, therapeutic gymnasium, fitness skills, yoga and tools in therapeutic gymnasium	PO3, PO5, PO7	Practical demonstration	Practical
CO5	Level 3	Exhibit exceptional behavioral skills while communicating with models	PO7, PO9	Practical demonstration	Practical
CO6	Level 3	Acquire ethical skills by demonstrating safe, respectful, and effective performance of physical handling techniques of the physiotherapy equipments, and providing privacy for the models.	PO5, PO9	Practical demonstration	Practical



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## Course Outcomes

Name of the programme	BPTh
Name of the course	Fundamentals of Electrotherapy

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 1	Know the fundamental principles of physics relevant to medical equipment used in physiotherapy.	PO1	Didactic Lecture	Theory
CO2	Level 1	Know the fundamental principles of current, sound waves, heat, cold, electromagnetic radiation, and their physiological & therapeutic effects on human body	PO1	Didactic Lecture	Theory
CO3	Level 3	Demonstrate the testing and working of various electrotherapy modalities	PO2, PO5, PO7	Practical demonstration	Theory
CO4	Level 3	Demonstrate the application of various electrotherapy modalities – thermal agents, cryotherapy, physical agents	PO2, PO5, PO7	Practical demonstration	Practical
CO5	Level 3	Exhibit exceptional behavioral skills while communicating with models	PO7	Practical demonstration	Practical
CO6	Level 3	Acquire ethical skills by demonstrating safe, respectful, and effective performance of physical handling techniques of the physiotherapy equipments, and providing privacy for the models.	PO5	Practical demonstration	Practical



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### Course Outcomes

Name of the programme	BPTh
Name of the course	Professional Practice & Ethics - 1

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 1	Know the history of Physiotherapy	PO9	Didactic Lecture	Theory
CO2	Level 1	Know the curriculum and clinical area of physiotherapy	PO9	Didactic Lecture	Theory
CO3	Level 2	Know the concept of morality, moral values & ethics	PO7, PSO9	Didactic Lecture	Theory
CO4	Level 2	Know the concept of professionalism and professional ethics including bedside manners and communication skills in relation with patients, peers, seniors and other professionals	PO7, PO9	Didactic Lecture	Theory





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### Course Outcomes

Name of the programme	BPTh
Name of the course	Pathology & Microbiology

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 1	Knows the pathological process, sign and symptoms of various diseases	PO1	Didactic Lecture	Theory
CO2	Level 2	Understand the pathology of underlying disease involving major organ systems and epidemiological issues	PO1 PO2	Didactic Lecture	Theory
CO3	Level 1	Know the agents causing communicable diseases and infections of various systems of the body	PO1 PO2	Didactic Lecture	Theory
CO4	Level 3	Practice the universal safety precautions with the knowledge of best practice methods to prevent the infections while practice including cross-infection	PO1 PO2	Didactic Lecture Demonstration of universal safety precautions in clinical postings	Theory



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Name of the programme	BPTh
Name of the course	Pharmacology

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 1	Know the pharmacological effects of commonly used drugs by patients referred for physiotherapy	PO1	Didactic Lecture	Theory
CO2	Level 1	Know the adverse reactions, precautions, contraindications, formulation, route of administration of commonly used drugs by patients referred for physiotherapy	PO1	Didactic Lecture	Theory
CO3	Level 1	To understand and make informed decisions on whether the pharmacological effects of a drug interfere with the therapeutic outcomes of physiotherapy, and vice versa.	PO1 PO2	Didactic Lecture	Theory





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### Course Outcomes

Name of the programme	BPTh
Name of the course	Psychiatry (Including Psychology)

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 1	Know the term Psychology & its importance in the Health delivery system, & knows the knowledge of Psychological maturation during human development & growth & alterations during aging process	PO1	Didactic Lecture	Theory
CO2	Level 2	Understand the importance of psychological status of the person in health & disease; environmental & emotional influence on the mind & personality	PO1	Didactic Lecture	Theory
CO3	Level 1	Know the knowledge and skills required for good interpersonal communication	PO7	Didactic Lecture Clinical posting	Clinical examination
CO4	Level 1	Know the Psychiatric disorders with special emphasis to movement / Pain & ADLs	PO1	Didactic Lecture	Theory
CO5	Level 1	Acquire the knowledge in brief, about the pathological & etiological factors, signs / symptoms & management of various Psychiatric conditions	PO1	Didactic Lecture	Theory
CO6	Level 2	Understand the patient more empathetically	PO7	Didactic Lecture Clinical posting	Clinical examination



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### Course Outcomes

Name of the programme	BPTh
Name of the course	Kinesiology

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 1	Know the principles of biomechanics of normal human movement along with its anatomical and physiological relevance	PO1	Didactic Lecture,	Theory
CO2	Level 1	Know the knowledge of kinetics and kinematics of Spine, Extremities, Temporomandibular joint, Thoracic cage	PO1	Didactic Lecture,	Theory
CO3	Level 1	Know the knowledge of Musculoskeletal movements during normal Gait and Activities of Daily Living	PO7	Didactic Lecture,	Theory



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### Course Outcomes

Name of the programme	BPTh
Name of the course	Kinesiotherapy

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 1	Know the Biophysical properties of connective tissue, & effect of mechanical loading & factors which influence the muscle strength, & mobility of articular & periarticular soft tissues	PO1	Didactic Lecture	Theory
CO2	Level 2	Know the physiological effects, therapeutic uses, merits / demerits of various exercisemodes including Hydrotherapy	PO1	Didactic Lecture	Theory
CO3	Level 3	Demonstrate assessment methods and analyze the findings for muscle strength, human posture, gait on models.	PO3, PO4	Practical Demonstration, Videos	Practical
CO4	Level 3	Demonstrate the skill to improve mobility, strength, coordination and balance on models	PO3, PO4	Practical Demonstration, Videos	Practical
CO5	Level 3	Demonstrate the skill of functional reeducation techniques	PO3, PO4	Practical Demonstration, Videos	Practical
CO6	Level 3	Demonstrate the skill of using walking aids, training of walking aids and its uses	PO3, PO4	Practical Demonstration, Videos	Practical
CO7	Level 3	Demonstrate the skill breathing exercise and various bronchial hygiene techniques on models	PO3, PO4	Practical Demonstration, Videos	Practical
CO8	Level 2	Exhibit exceptional behavioral skills while communicating with models	PO7	Practical demonstration	Practical



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CO9	Level 2	Acquire ethical skills by demonstrating safe, respectful, and effective performance of physical handling techniques of the physiotherapy equipments, and providing privacy for the models.	PO5	Practical demonstration	Practical
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## Course Outcomes

Name of the programme	BPTh
Name of the course	Electrotherapy

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 1	Know the Physiological effects, Therapeutic uses, indication & contraindications of various Low/ Medium & High Frequency modes / Actinotherapy	PO1	Didactic Lecture	Theory
CO2	Level 2	Know the knowledge about the physiology of pain, Pain pathways & Methods of pain modulation, selection of appropriate modality for Pain modulations.	PO1	Didactic Lecture	Theory
CO3	Level 1	Know the physiological Effects & therapeutic uses of various therapeutic ions & topicalpharmaco -therapeutic agents to be used for the application of iontophoresis & sono/phonophoresis	PO1	Didactic Lecture	Theory
CO4	Level 3	Acquire an ability to select the appropriate mode as per the tissue specific & area specific application.	PO3, PO4	Practical Demonstration, Videos	Practical
CO5	Level 3	Demonstrate the skills of application of the various Electro therapy modes on models, for the purpose of Assessment & Treatment	PO3, PO4, PO5	Practical Demonstration, Videos, Clinical postings	Practical
CO6	Level 2	Exhibit exceptional behavioral skills while communicating with models	PO7	Practical demonstration, Clinical postings	Practical
CO7	Level 2	Acquire ethical skills by demonstrating safe, respectful, and effective performance of physical handling techniques	PO5	Practical demonstration, Clinical postings	Practical



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### Course Outcomes

Name of the programme	BPTh
Name of the course	Professional Practice & Ethics - 2

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 3	Know the Ethical code of conduct in Physiotherapy	PO9	Didactic Lecture	Theory
CO2	Level 3	Acquire bedside manners and communication skills in relation with patients, peers, seniors and other professionals	PO9	Clinical postings	Clinical postings
CO3	Level 3	Develop psychomotor skills for physiotherapist-patient relationship.	PO7, PO8	Didactic Lecture, Clinical postings	Clinical postings
CO4	Level 3	Develop skill to evaluate and make decision for plan of management based on sociocultural values and referral practice	PO7, PO9	Didactic Lecture, Clinical postings	Clinical postings
CO5	Level 3	Be able to develop behavioural skills and humanitarian approach while communicating with patients, relatives, society at large and co-professionals	PO7, PO9	Role play, Clinical postings	Clinical postings





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### Course Outcomes

Name of the programme	BPTh
Name of the course	Surgery –I (General surgery, Cardiovascular & Thoracic surgery, and Plastic / Reconstructive surgery)

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 1	Know the effects of surgical trauma & Anaesthesia in general	PO2	Didactic Lecture	Theory
CO2	Level 1	Know the principles and the surgical management in brief of General Surgery, Neuro Surgery, Cardiovascular and Thoracic Surgery, ENT & Ophthalmic Surgery and Plastic & Reconstructive Surgery	PO2	Didactic Lecture	Theory
CO3	Level 1	Know about the common and standard pre-operative evaluation, surgical indications in various surgical approaches, management and post operative care in above mentioned areas with possible complications	PO2	Didactic Lecture	Theory
CO4	Level 3	Able to read & interpret findings of the relevant investigations in surgical specialty.	PO1 PO2	Didactic Lecture	Theory



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### Course Outcomes

Name of the programme	BPTH
Name of the course	Surgery –II (Orthopedics)

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 1	Know the basic principle of orthopedic surgery	PO2	Didactic Lecture	Theory
CO2	Level 1	Knows the aetiology, Pathophysiology, clinical manifestations & conservative / surgical management of various traumatic & cold cases of the Musculoskeletal Conditions.	PO2	Didactic Lecture	Theory
CO3	Level 1	Know various orthopedic surgical conditions in brief and its indications along with pre operative evaluation, post operative evaluation with possible complications.	PO2	Didactic Lecture	Theory
CO4	Level 3	Able to read & interpret findings of the relevant investigations in surgical specialty.	PO1 PO2	Didactic Lecture	Theory



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### Course Outcomes

Name of the programme	BPTh
Name of the course	Medicine - 1 (Cardio vascular respiratory Medicine, General Medicine and Gerontology)

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 1	Knows the etiology, Pathophysiology, Signs & Symptoms, Clinical Evaluation & Management of the various Rheumatologic Cardiovascular & Respiratory Conditions.	PO2	Didactic Lecture	Theory
CO2	Level 1	Knows the etiology, Pathophysiology, Signs & Symptoms & Management of the various Endocrinal, Metabolic, Geriatric & Nutrition Deficiency conditions	PO2	Didactic Lecture	Theory
CO3	Level 1	Knows and acquire knowledge of various drugs used for each medical condition to understand its effects and its use during therapy.	PO2	Didactic Lecture	Theory
CO4	Level 3	Acquire skill of history taking and clinical examination of Musculoskeletal, Respiratory, Cardiovascular & Neurological System as a part of clinical teaching	PO2, PO7	Practical Demonstration Clinical bed side teaching	Theory
CO5	Level 3	Acquire the skills of Basic Life Support	PO6	Didactic Lecture Simulation	Theory
CO6	Level 1	Know the principles of Management at the Intensive Care Unit	PO2	Didactic Lecture	Theory
CO7	Level 3	Able to read & interpret findings of the relevant investigations in surgical specialty.	PO2	Didactic Lecture	Theory



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### Course Outcomes

Name of the programme	BPTh
Name of the course	Medicine - 2 (Neurology & Pediatrics)

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 1	Know the aetiology, pathophysiology, signs & Symptoms & Management of the various Neurological & Paediatric conditions.	PO2	Didactic Lecture	Theory
CO2	Level 1	Know about the neuromuscular conditions caused due to immunological pathologies, nutritional deficiencies, infectious diseases, & genetically transmitted conditions.	PO2	Didactic Lecture	Theory
CO3	Level 1	Know in brief about intra-uterine development of the foetus	PO2	Didactic Lecture	Theory
CO4	Level 1	Know about normal development & growth of a child, importance of Immunization, breast-feeding & psychological aspect of development	PO2	Didactic Lecture	Theory
CO5	Level 1	Know about various drugs used for each neurological condition to understand its effects and its use during therapy	PO2	Didactic Lecture	Theory
CO6	Level 3	Able to read & interpret findings of the relevant investigations in surgical specialty.	PO2 PO3	Didactic Lecture	Theory



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## Course Outcomes

Name of the programme	BPTh
Name of the course	Community Health & Sociology

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 1	Know the general concepts of health, determinants of health and diseases	PO2	Didactic Lecture	Theory
CO2	Level 1	Know about the general public health administration in India and health care delivery system in India with special emphasis of primary health care	PO2	Didactic Lecture	Theory
CO3	Level 2	Understand the epidemiology and socio cultural issues affecting health	PO1 PO2	Didactic Lecture	Theory
CO4	Level 1	Know about the demography and objectives of family welfare programs in India and national population policy	PO2	Didactic Lecture	Theory
CO5	Level 1	Overview of communicable diseases, non-communicable diseases, nutritional diseases, occupational health, mental health, geriatric health and hospital waste management	PO2	Didactic Lecture	Theory
CO6	Level 2	Understand the relevance with Physiotherapy and social factors affecting Health status, Decision Making in taking treatment	PO2	Didactic Lecture	Theory
CO7	Level 2	Understand the influence of Social Factors, on Personality, Socialization in the Hospital & Rehabilitation of the patients	PO2	Didactic Lecture	Theory
CO8	Level 1	Know about the role and influence of formal & informal groups of Health & Diseases, Role of Family, Primary & Secondary Groups in the Hospital & Rehabilitation Setting	PO2	Didactic Lecture	Theory
CO9	Level 1	Know about the role of community, culture, and other population groups in influencing health	PO2	Didactic Lecture	Theory
CO10	Level 1	Know about the Social Security & Social Legislation in relation to the	PO2	Didactic Lecture	Theory



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CO11	Level 2	Understand the social problems in the community influencing health	PO1 PO2	Didactic Lecture	Theory





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### Course Outcomes

Name of the programme	BPTh
Name of the course	Functional Diagnosis & Physiotherapeutic Skills

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 1	Know and acquire the knowledge of human growth and development from new life to birth and adulthood	PO1	Didactic lectures	Theory
CO2	Level 2	Understand the use of ICF in Musculoskeletal, Neuro, Cardio respiratory, Community & Sports PT conditions	PO1	Didactic lectures, Seminars	Theory
CO3	Level 2	Understand the use of appropriate tools or instruments of assessment in Musculoskeletal, Neurological and Cardio-vascular conditions.	PO1	Practical demonstration, Clinical postings	Practical
CO4	Level 2	Understand the theoretical basis and principles of manipulative skills, neuro therapeutic skills and skills of cardiopulmonary care and resuscitation	PO1	Didactic lectures	Theory
CO5	Level 3	Perform assessment of measures of body structures and functions related to tissue mechanics	PO1, PO3, PO4	Practical demonstration, Clinical postings	Practical
CO6	Level 3	Perform assessment of measures of body structures and functions related to motor control affecting activity and participation, quality of life and independence.	PO1, PO3, PO4	Practical demonstration, Clinical postings, Videos	Practical
CO7	Level 3	Perform the skill of electro-diagnosis (SD Curve) and observe skills of EMG and NCV studies, to understand the documentation of finding of these studies.	PO5	Practical demonstration, Clinical postings	Practical
CO8	Level 3	Demonstrate skills of manual therapy musculoskeletal, neurotherapeutics and cardiovascular and respiratory skills on models (Laboratory work)	PO5	Practical demonstration, Clinical postings	Practical
CO9	Level 3	Select appropriate assessment	PO3, PO5	Practical	Practical





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		techniques to facilitate safety, sensitive practices inpatient comfort and effectiveness		demonstration, Clinical postings	
CO10	Level 3	Demonstrate safe, respectful and effective performance of physical therapy handling techniques taking into account patient's clinical condition, need for privacy, resources available and the environment	PO3	Practical demonstration, Clinical postings	Practical
CO11	Level 3	Follow the principles of appropriate handling technique that is draping, hand placement, body part positioning, manual techniques, lifting and transfer techniques	PO5	Practical demonstration, Clinical postings	Practical
CO12	Level 3	Communicate with patients and their families/caregivers regarding the need and uses of various assessment techniques.	PO7, PO9	Clinical postings	Practical



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### Course Outcomes

Name of the programme	BPTh
Name of the course	Professional Practice & Ethics - 3

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 3	Know the strategies on collecting data on psychosocial factors in Medicine / Surgery / Reproductive Health / Paediatrics	PO9	Didactic Lecture	Theory
CO2	Level 3	Learn effective strategies on interpersonal communication.	PO9	Didactic lecture, Role play, Clinical postings	Clinical postings
CO3	Level 3	Know about the ethics in clinical practice	PO7, PO9	Didactic Lecture, Clinical postings	Clinical postings



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### Course Outcomes

Name of the programme	BPTh
Name of the course	Musculoskeletal Physiotherapy

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 1	Know the applied anatomy and physiology of common musculo skeletal clinical conditions with patho mechanics of the condition	PO1	Didactic lectures, Seminars	Theory
CO2	Level 2	Understand the use of ICF in Musculoskeletal, Neuro, Cardio respiratory, Community & Sports PT conditions	PO2	Didactic lectures, Seminars	Theory
CO3	Level 3	Identify, evaluate, analyze & discuss primary and secondary musculo-skeletal dysfunction, based on biomechanical, kinesiological & patho-physiological principles	PO3, PO4	Practical demonstration, Clinical postings, Clinical Case presentation, Case based learning, Problem based learning	Practical, Journals, Viva Voce, Case based questions
CO4	Level 3	Correlate the same with radiological, electrophysiological, biochemical/ haematological investigations as applicable & arrive at the appropriate Physiotherapy diagnosis with skillful evaluation of structure and function with clinical reasoning	PO3, PO4	Practical demonstration, Clinical postings, Clinical Case presentation, Case based learning, Problem based learning	Practical, Journals, Viva Voce, Case based questions
CO5	Level 2	Understand the pharmacotherapeutics, its interaction with physiotherapeutic measures and modify physiotherapeutic intervention appropriately	PO5	Didactic lectures, Seminars	Theory
CO6	Level 3	Apply knowledge of psychosocial factors for behavioral and lifestyle modification and use appropriate training and coping strategies.	PO5, PO7	Practical demonstration, Clinical postings, Clinical Case presentation, Case based	Practical, Journals, Viva Voce, Case based questions



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				learning Problem based learning	
CO7	Level 4	Analyse findings, identify patient goals, expectations, and plan realistic goals, prescribe scientific based and safe physiotherapy intervention. Also deliver recent evidence based treatment methods to the patient with clinical reasoning	PO5, PO6, PO7, PO8	Practical demonstration, Clinical postings Clinical Case presentation, Case based learning Problem based learning	Practical, Journals, Viva Voce, Case based questions
CO8	Level 3	Perform patient centered holistic treatment and modify the treatment plan based on prognosis and deterioration of condition	PO5	Practical demonstration, Clinical postings Clinical Case presentation, Case based learning Problem based learning	Practical, Journals, Viva Voce, Case based questions
CO9	Level 3	Establish criteria for patient discharge based on patient prognosis, function and disability	PO5	Practical demonstration, Clinical postings Clinical Case presentation, Case based learning Problem based learning	Practical, Journals, Viva Voce, Case based questions
CO10	Level 3	Exhibit behavioral skills and humanitarian approach which communication with patients, care givers, family members, community, health care professionals	PO9	Practical demonstration, Clinical postings Clinical Case presentation, Case based learning Problem based learning	Practical, Journals, Viva Voce, Case based questions
CO11	Level 3	Adhering to the ethical principles and guidelines respecting the privacy of the patient, appropriate use of resources and delivering quality treatment without any discrimination and treating the common public.	PO9, PO10	Practical demonstration, Clinical postings Clinical Case presentation, Case based learning PBL	Practical, Journals, Viva Voce, Case based questions



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### Course Outcomes

Name of the programme	BPTh
Name of the course	Neuro Physiotherapy

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 1	Know the applied anatomy and physiology of common neurological clinical conditions with patho mechanics	PO1	Didactic lectures, Seminars	Theory
CO2	Level 4	Identify and analyze movement dysfunction due to neuromuscular skeletal disorders in terms of biomechanical and biophysical basis, correlate the same with the health condition, routine electrophysiological, radiological and biochemical investigations, and arrive at appropriate physical therapy diagnosis	PO3, PO4	Practical demonstration, Clinical postings Clinical Case presentation, Case based learning Problem based learning	Practical, Journals, Viva Voce, Case based questions
CO3	Level 3	Plan realistic goals based on the knowledge of prognosis of the disease of the nervous system and prescribe appropriate, safe evidence based physiotherapy interventions with clinical reasoning	PO5	Practical demonstration, Clinical postings Clinical Case presentation, Case based learning Problem based learning	Practical, Journals, Viva Voce, Case based questions
CO4	Level 3	Planning of short term and long term goals in accordance with ICF for all the conditions in neurosciences by doing detail assessment and appropriate outcome measures and planning evidence based treatment program- for key indicator conditions	PO5	Practical demonstration, Clinical postings Clinical Case presentation, Case based learning Problem based learning	Practical, Journals, Viva Voce, Case based questions
CO5	Level 3	Knowledge of developmental neurology, plasticity in	PO4, PO5,		



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		development, Etiology, Pathophysiology of common neuropaediatric conditions, impairment, clinical reasoning, goal setting & P.T. management with more emphasis on physiotherapy management skills	PO6		
CO6	Level 3	Implement appropriate neuro- physiotherapeutic approaches, electrotherapeutic modalities, joint and soft tissue mobilizations and ergonomic advice for neuromuscular skeletal systems, contextual factors to enhance performance of activities and participation in society	PO5	Practical demonstration, Clinical postings Clinical Case presentation, Case based learning Problem based learning	Practical, Journals, Viva Voce, Case based questions
CO7	Level 3	To develop behavioral skills and humanitarian approach while communicating with patients, relatives, society and co- professionals, to promote individual and community health.	PO7, PO9 PO10	Practical demonstration, Clinical postings Clinical Case presentation, Case based learning Problem based learning	Practical, Journals, Viva Voce, Case based questions





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### Course Outcomes

Name of the programme	BPTh
Name of the course	Cardio- Vascular & Respiratory Physiotherapy

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 1	Know the applied anatomy and physiology of common cardio-vascular and respiratory clinical conditions with patho mechanics	PO1	Didactic lectures, Seminars	Theory
CO2	Level 4	Identify and analyze cardio-vascular & pulmonary dysfunction in terms of biomechanical, and Bio-physical basis and correlate the same with the Health condition, routine electrophysiological, radiological, and biochemical investigations and arrive at appropriate Physical therapy diagnosis	PO3, PO4	Practical demonstration, Clinical postings Clinical Case presentation, Case based learning Problem based learning	Practical, Journals, Viva Voce, Case based questions
CO3	Level 3	Plan, prescribe appropriate, safe physiotherapy interventions with clinical reasoning for and prevention of impairments, activity limitations, participation restrictions and environmental barriers related to cardio-vascular & pulmonary dysfunction in acute care settings, at home , work place, in society & in leisure activities.	PO5	Practical demonstration, Clinical postings Clinical Case presentation, Case based learning Problem based learning	Practical, Journals, Viva Voce, Case based questions
CO4	Level 3	Apply the skills such as executing exercise tests, PFT, Ankle brachial index, arterial & venous insufficiency tests and psychomotor skills to implement appropriate bronchial hygiene therapy, therapeutic exercise, electrotherapeutic modalities, CPR, Intensive (critical) care,	PO4, PO5	Practical demonstration, Clinical postings Clinical Case presentation, Case based learning Problem based learning	Practical, Journals, Viva Voce, Case based questions





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		joint and soft tissue mobilisations, offering ergonomic & energy conservation advice for patients with cardio-vascular & pulmonary dysfunction.			
CO5	Level 3	Apply the knowledge about contextual factors to enhance capacity and performance of activities and participation in society and Utilise the skill to deliver cardiac, pulmonary & vascular rehabilitation	PO4, PO5	Practical demonstration, Clinical postings, Clinical Case presentation, Case based learning, Problem based learning	Practical, Journals, Viva Voce, Case based questions
CO6	Level 3	Develop behavioral skills and humanitarian approach while communicating with patients, relatives, society at large and co-professionals. Develop bed side behavior, respect & maintain patients' confidentiality	PO7, PO9 PO10	Practical demonstration, Clinical postings, Clinical Case presentation, Case based learning, Problem based learning	Practical, Journals, Viva Voce, Case based questions
CO7	Level 3	Demonstrate the skills of basic life support	PO5	Didactic lecture, Simulation based learning	Practical, Journals, Viva Voce, Case based questions



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### Course Outcomes

Name of the programme	BPTh
Name of the course	Community Physiotherapy

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 1	Know the roles and responsibilities of Physiotherapist as an effective member of the society	PO1	Didactic lectures,	Theory
CO2	Level 1	Know the physiology of aging process and its influence on physical fitness	PO1	Didactic lectures,	Theory
CO3	Level 1	Know the national policies for the rehabilitation of the disabled people and role of Physiotherapist	PO1	Didactic lectures,	Theory
CO4	Level 2	Perform disability rehabilitation and Prevention of Disability and Rehabilitation measures in disability	PO1 PO3 PO4 PO5 PO6	Didactic lectures, Community Postings	Theory Practical
CO5	Level 3	Know the strategies to access prevalence and incidence of various conditions responsible for increasing morbidity in the specific community – role of PT in reducing morbidity, expected clinical and functional recovery, reasons for non-compliance in specific community environment & solution for the same.	PO9	Didactic lectures, Research Project Community Postings, Field visit	Theory, Community Case presentation Journal
CO6	Level 3	Be a part of decision making team regarding the policies for the welfare of special communities & on issues of disability	PO6 PO7	Community Postings, Field visit	Theory Practical
CO7	Level 2	Understand the concept of rehabilitation in urban and rural set up	PO1	Didactic lecture Extension activity	Theory Practical



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CO8	Level 3	Identify with clinical reasoning the prevailing contextual factors, causing high risk responsible for various dysfunctions and morbidity related to sedentary life style and specific community like women, children, aged as well as industrial workers and describe planning strategies of interventional policies to combat such problems at community level	PO1 PO4	Didactic lecture Extension activity Industrial visit	Theory Practical Journal
CO9	Level 3	Perform health promotion, prevention of disease and improve QoL and contribute to the health care team with a holistic approach	P08	Research project Community field visit, Extension activity Outreach activity Community case presentation	Theory Practical Journal
CO10	Level 4	Utilize the research methodology knowledge for formulation of a research question	PO8	Research project Community field visit, Extension activity Outreach activity Community case presentation	Project Practical Journal
CO11	Level 3	Gain the ability to collaborate with other health professionals for effective service delivery and community satisfaction	PO10	Research project Community field visit, Extension activity Outreach activity Community case presentation	Practical Journal
CO12	Level 5	Be an empathetic health professional, especially for those in the community, who is away from the health institutions and having difficulty in healthcare access	PO7, PO9 PO10	Research project Community field visit, Extension activity Outreach activity Community case presentation	Practical Journal



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### Course Outcomes

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Name of the course	Professional Practice & Ethics - 4

Course Outcome	Blooms Taxonomy level	Outcome The students will be able to	PO Mapping	TL Method	Assessment
CO1	Level 3	Know the roles of Physiotherapist as patientmanager, Consultant, Critical inquirer, Educator, Administrator	PO9 PO10	Didactic Lecture	Theory
CO2	Level 3	Know the professional development, competence, and expertise of physiotherapist	PO10	Didactic lecture, Role play, Clinical postings	Clinical postings
CO3	Level 3	Know about the professional bodies pertaining to Physiotherapy	PO7, PO9	Didactic Lecture, Clinical postings	Clinical postings
CO4	Level 3	Know about the ethics in Physiotherapy practice, research and teaching	PO7, PO9	Didactic Lecture, Clinical postings	Clinical postings
CO5	Level 3	Know about the role of WCPT in PT practice	PO7, PO9	Didactic Lecture, Clinical postings	Clinical postings