Sant Baba Bhag Singh

UNIVERSITY

LEARN | ACHIEVE | SUCCEED

PO, PEO, PSO and CO

of

(Physiotherapy)

Sant Baba Bhag Singh University
Village Khiala
P.O. Padhiana
Distt.Jalandhar

Dr. Vikas Khosone
Dean

Institute Name:	**UIS**
Department Name:	**PHYSIOTHERAPY**
Programme Name and Code	**B.P.T and UG035**
Number of semesters:	**8 SEMESTERS**
Vision :	The vision of Department is to promote, restore and maintain physical well being of the society through outstanding physiotherapists or by qualified education.
Mission:	To provide a healthy atmosphere for students so that they can learn things efficiently.
	To provide prime quality physiotherapist well equipped with cognitive, psychomotor and effective skills.
	To provide quality care with the help of recent advances in Physiotherapy for early functional independence of patients.
	To inculcate ideas, plans and goals for the holistic approach amongst the students for the total rehabilitation of patients.

Dr. Janes Sahonta for

Dr. Vikas (Dean)

COURSE OUTCOMES

Course Name: Anatomy - I	**Course Code: PTY 101**
Course Year/Semester: 1st - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Understand the theortical and practical knowledge of muscular skeleton system which is useful for clinical judgement.
CO2	To know about the general anatomy and histology of connective tissue.
CO3	Understand the theortical and practical knowledge of different systems which is useful in clinical aspects.
CO4	Illustrate about the system anatomy of central nerve system, cranial nerves, peripheral nerves.

Course Name: Physiology - I	**Course Code: PTY 105**
Course Year/Semester: 1st - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Have an enchanced knowledge and appreciation of human physiology
CO2	Understand the functions of important physiological systems including cardio-respiratory, renal reproductive and metabolic system
CO3	Able to perform,analyze and report on experiments and observations in physiology
CO4	Able to recognize and identify principle tissue structures

Course Name: Electrotherapy - I	**Course Code: PTY 109**
Course Year/Semester: 1st - Sem	

CO. No.	Course Outcomes (CO's)
CO1	To know about the medical electronics and electricity.

Dr. Jaree Sahonta
Dr. Vikas (Dean)

CO2	Understand fundamentals of low frequency and high frequency currents.
CO3	Analyze the working of the various electrotherapetic equipments.
CO4	Identify various types of electrodes used in therapeutics and significance of various media used in reducing skin resistance
CO5	Recoiling modalities for pain modulation.

Course Name: Exercisetherapy - I	**Course Code: PTY 113**
Course Year/Semester: 1st - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Understand clarification of movements, muscle work related to exercise therapy.
CO2	To know about relaxation techniques and it's long term effects.
CO3	Understand basic evaluation of vital sensation and reflex testing.
CO4	To know about aerobic condition and basic principles of general fitness.

Course Name: General Microbiology	**Course Code: PTY 117**
Course Year/Semester: 1st - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Illustrate the best method to prevent the development of infection
CO2	To know about the prevelant communicable diseases
CO3	Understand to recognize the signs and symptoms considered as a red flag for various diseases.

Course Name: Anatomy- I Lab	**Course Code: PTY 103**
Course Year/Semester: 1st - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Understand the theortical and practical knowledge of muscular skeleton system which is useful for clinical judgement.
CO2	To know about the general anatomy and histology of connective tissue.
CO3	Understand the theortical and practical knowledge of different systems which is useful in clinical aspects.
CO4	Illustrate about the system anatomy of central nerve system, cranial nerves, peripheral nerves.

Dr. Jares Sahonta
Dr. Vikas (Dean)

Course Name: Physiology-I Lab	Course Code: PTY 107
Course Year/Semester: 1st - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Have an enchanced knowledge and appreciation of human physiology
CO2	Understand the functions of important physiological systems including cardio-respiratory, renal reproductive and metabolic system
CO3	Able to perform,analyze and report on experiments and observations in physiology
CO4	Able to recognize and identify principle tissue structures

Course Name: Electrotherapy-I Lab	Course Code: PTY 111
Course Year/Semester: 1st - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Recall the physics properties and laws of electricity, electromagnetism and production of various therapeutic electrical currents.
CO2	Analyze the working of the various electrotherapetic equipments.
CO3	Identify various types of electrodes used in therapeutics and significance of various media used in reducing skin resistance
CO4	Recoiling modalities for pain modulation.

Course Name: Exercise therapy-I Lab	Course Code: PTY 115
Course Year/Semester: 1st - Sem	

CO. No.	Course Outcomes (CO's)
CO1	To explain the rationale for the prescription of safe and effective exercises
CO2	To know about relaxation techniques and it's long term effects.
CO3	Understand basic evaluation of vital sensation and reflex testing.
CO4	To know about aerobic condition and basic principles of general fitness.

Dr. Jaies Sahonta For

Dr. Vikas (Dean)

Course Name: Anatomy II	Course Code: PTY 102
Course Year/Semester: 2nd - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Understand the theortical and practical knowledge of muscular skeleton system which is useful for clinical judgement.
CO2	To know about the general anatomy and histology of connective tissue.
CO3	Understand the theortical and practical knowledge of different systems which is useful in clinica aspects.
CO4	Illustrate about the system anatomy of central nerve system, cranial nerves, peripheral nerves.

Course Name: Physiology - II	Course Code: PTY 106
Course Year/Semester: 2nd - Sem	

CO. No.	Course Outcomes (CO's)
CO1	To describe the structure and function of various systems in the body with emphasis to muscular skeletal system as they relate to physiotherapy
CO2	Understand the functions of important physiological systems including cardio-respiratory, renal reproductive and metabolic system
CO3	Able to perform,analyze and report on experiments and observations in physiology
CO4	Able to recognize and identify principle tissue structures

Course Name: Electrotherapy - II	Course Code: PTY 110
Course Year/Semester: 2nd - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Recall the physics properties and laws of electricity, electromagnetism and production of various therapeutic electrical currents.
CO2	Analyze the working of the various electrotherapetic equipments.
CO3	Identify various types of electrodes used in therapeutics and significance of various media used in reducing skin resistance
CO4	Recoiling modalities for pain modulation.

Dr. Jaies Sahonta

Dr. Vikas (Dean)

Per

Course Name: Exercise-therapy - II	Course Code: PTY 114
Course Year/Semester: 2nd - Sem	

CO. No.	Course Outcomes (CO's)
CO1	To explain the rationale for the prescription of safe and effective exercises.
CO2	To know about relaxation techniques and it's long term effects.
CO3	Understand basic evaluation of vital sensation and reflex testing.
CO4	To know about aerobic condition and basic principles of general fitness.

Course Name: Biochemistry	Course Code: PTY 118
Course Year/Semester: 2nd - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Demonstrate comprehensive understanding of biochemistry
CO2	Demonstrate empathy and have a human approach towards patients and respect their sensibilities
CO3	Understand relevant investigations which will help to know about the important medical conditions.

Course Name: Anatomy- II Lab	Course Code: PTY 104
Course Year/Semester: 2nd - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Explain inter relationships amoun molecular, cellular, tissue and organ functions in each system
CO2	Locate and identify anatomical structures
CO3	Use anatomical terminology to identify and describe locations of major locations of each system covered

Course Name: Physiology - II Lab	Course Code: PTY 108
Course Year/Semester: 2nd - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Demonstrate how human organ systems are inter-related to apply a holistic approach to human health
CO2	Define homostateus and explain how homostatic mechanism work

Dr. Jaies Sahonta for

Dr. Vikas (Dean)

CO3	Predict and explain the integrated response of organ system of the body to physiological and pathological stresses

Course Name: Electrotherapy - II Lab	**Course Code: PTY 112**
Course Year/Semester: 2nd - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Recall the physics properties and laws of electricity, electromagnetism and production of various therapeutic electrical currents.
CO2	Analyze the working of the various electrotherapetic equipments.
CO3	Identify various types of electrodes used in therapeutics and significance of various media used in reducing skin resistance
CO4	Recoiling modalities for pain modulation.

Course Name: Exercise therapy-II Lab	**Course Code: PTY 116**
Course Year/Semester: 2nd - Sem	

CO. No.	Course Outcomes (CO's)
CO1	To explain the rationale for the prescription of safe and effective exercises
CO2	To know about relaxation techniques and it's long term effects.
CO3	Understand basic evaluation of vital sensation and reflex testing.
CO4	To know about aerobic condition and basic principles of general fitness.

Course Name: Electrotherapy - III	**Course Code: PTY 201**
Course Year/Semester: 3rd - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Recall the physics properties and laws of electricity, electromagnetism and production of various therapeutic electrical currents.

Dr. Sayes Sahonta – For
Dr. Vikas (Dean)

CO2	Analyze the working of the various electrotherapetic equipments.
CO3	Identify various types of electrodes used in therapeutics and significance of various media used in reducing skin resistance
CO4	Recoiling modalities for pain modulation.

Course Name: Exercise therapy-III	Course Code: PTY 205
Course Year/Semester: 3rd - Sem	

CO. No.	Course Outcomes (CO's)
CO1	To explain the rationale for the prescription of safe and effective exercises
CO2	To know about relaxation techniques and it's long term effects.
CO3	Understand basic evaluation of vital sensation and reflex testing.
CO4	To know about aerobic condition and basic principles of general fitness.

Course Name: Biomechanics & Kinesiology- I	Course Code: PTY 209
Course Year/Semester: 3rd - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Analyze normal human movement from a global prespective, intergrating biomechanics, muscle mechanics and motor control theory
CO2	Experience quantative methods of movement analysis using various methods
CO3	Apply the analytic methods to specify example of normal human motor performance
CO4	Acquire the knowledge of kinetics and kinematics

Course Name: Sociology	Course Code: PTY 213
Course Year/Semester: 3rd - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Understand role of social planning in the improvement of health and in rehabilitiation
CO2	Relate to therapeutic situtations in the practice of physiotherapy
CO3	Learn to access the social problems and participate in social planning

Dr. Saroj Sahoo for
Dr. Vikas (Dean)

CO4	Indentify social institutions and resources

Course Name: Psychology	Course Code: PTY 215
Course Year/Semester: 3rd - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Understand the elementary principles of behavior for applying in the therapeutic environment
CO2	Perform psychosocial asessment of patients in various developmental stages
CO3	Understand the concept of stress and it's relationship to health

Course Name: Pharmacology	Course Code: PTY 217
Course Year/Semester: 3rd - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Possess a relevant knowledge in basic principles of pharmacology and it's recent advances
CO2	Understand the contribution of both drug and physiotherapy factors in the outcome of treatment
CO3	Understand the basic pharmacology of common drugs used,their importance in the overall treatment including physiotherapy
CO4	Indentify the pharmacologic drugs interferes with the therapeutic response.

Course Name: Electrotherapy- III Lab	Course Code: PTY 203
Course Year/Semester: 3rd - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Recall the physics properties and laws of electricity, electromagnetism and production of various therapeutic electrical currents.
CO2	Analyze the working of the various electrotherapetic equipments.

Dr. Jaies Sahonta

Dr. Vikas (Dean)

CO3	Identify various types of electrodes used in therapeutics and significance of various media used in reducing skin resistance
CO4	Recoiling modalities for pain modulation.

Course Name: Exercise therapy-III Lab	Course Code: PTY 207
Course Year/Semester: 3rd - Sem	

CO. No.	Course Outcomes (CO's)
CO1	To explain the rationale for the prescription of safe and effective exercises
CO2	To know about relaxation techniques and it's long term effects.
CO3	Understand basic evaluation of vital sensation and reflex testing.
CO4	To know about aerobic condition and basic principles of general fitness.

Course Name: Biomechanics & Kinesiology- I Lab	Course Code: PTY 211
Course Year/Semester: 3rd - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Analyze normal human movement from a global prespective, intergrating biomechanics, muscle mechanics and motor control theory
CO2	Experience quantative methods of movement analysis using various methods
CO3	Apply the analytic methods to specify example of normal human motor performance
CO4	Acquire the knowledge of kinetics and kinematics

Course Name: Electrotherapy-IV	Course Code: PTY 202
Course Year/Semester: 4th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Recall the physics properties and laws of electricity, electromagnetism and production of various therapeutic electrical currents.
CO2	Analyze the working of the various electrotherapetic equipments.

Dr. James Sahonta for

Dr. Vikas (Dean)

CO3	Identify various types of electrodes used in therapeutics and significance of various media used in reducing skin resistance
CO4	Recoiling modalities for pain modulation.

Course Name: Exercise therapy-IV	**Course Code: PTY 206**
Course Year/Semester: 4th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	To know about theoretical and practical knowledge of various missile techniques.
CO2	Apply the principles and techniques of exercise therapy in the clinical practice.
CO3	Undertake necessary precautions and privacy measures while practicing exercise therapy techniques in patients.

Course Name: Biomechanics & Kinesiology-II	**Course Code: PTY 210**
Course Year/Semester: 4th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Describe the biological,mechanical and neurological mechanism by which muscles produce movement
CO2	Recognise the moments in skeletomuscle system
CO3	Understand the basic concepts of kinematics and dynamics of human motion
CO4	To learn about some of the common experimental methods used in biomechanics with particular emphasis on moment

Course Name: Pathology	**Course Code: PTY 214**
Course Year/Semester: 4th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Learn the pathological changes in various conditions, diseases, disorders which are treated by physiotherapy
CO2	Demonstrate and understanding of the pathology of common diseases that therapist would encounter in their daily practice
CO3	Understand how to protect themselves and their patients from infections during their interaction

Dr. Jasvir Sahonta for

Dr. Vikas (Dean)

Course Name: Environmental Sciences	Course Code: EVS 101
Course Year/Semester: 4th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	To understand the concept and function of environment and recognize the physical , chemical and biological components of the earth system
CO2	To realize the importance of biodiversity for maintaing ecological balance
CO3	To analyze the need for sustainable development in respect of environmnetal management through policies, social awareness etc
CO4	To understand the natural resources both renewable and non-renewable

Course Name: Electrotherapy- IV Lab	Course Code: PTY 204
Course Year/Semester: 4th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Recall the physics properties and laws of electricity, electromagnetism and production of various therapeutic electrical currents.
CO2	Analyze the working of the various electrotherapetic equipments.
CO3	Identify various types of electrodes used in therapeutics and significance of various media used in reducing skin resistance
CO4	Recoiling modalities for pain modulation.

Course Name: Exercise therapy- IV Lab	Course Code: PTY 208
Course Year/Semester: 4th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	To explain the rationale for the prescription of safe and effective exercises
CO2	To know about relaxation techniques and it's long term effects.
CO3	Understand basic evaluation of vital sensation and reflex testing.

Dr. James Sahanta for
Dr. Vikas (Dean)

CO4	To know about aerobic condition and basic principles of general fitness.

Course Name: Biomechanics & Kinesiology-II Lab	Course Code: PTY 212
Course Year/Semester: 4th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Describe the biological,mechanical and neurological mechanism by which muscles produce movement
CO2	Recognise the moments in skeletomuscle system
CO3	Understand the basic concepts of kinematics and dynamics of human motion
CO4	To learn about some of the common experimental methods used in biomechanics with particular emphasis on moment

Course Name: Orthopaedics-I	Course Code: PTY 301
Course Year/Semester: 5th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Understand the basic orthopaedics conditons which commonly cause disability and their management
CO2	To know the etiology classification pathology,clinical features relevant investigation, complications, surgical and non-surgical management of various orthopaedic conditions
CO3	Able to read and interpret features of X-ray and co-relate with the clinical findings
CO4	Understand the treatment started according with upgradation need to be match with patient condition

Course Name: General Medicine-I	Course Code: PTY 305
Course Year/Semester: 5th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Knowledge of various drugs used for each medical condition to understand it's effects and uses during therapy
CO2	Use physiotherapeutic measures as preventive or restorative rehabilitation purpose for pulmonary or cardiac patients
CO3	Demonstrate the ability to diagnose and construct our treatment plan for common illness

Course Name: Physiotherapy in Ortho-conditions-I	Course Code: PTY 309
Course Year/Semester: 5th - Sem	

Dr. Jaies Sahonta for
Dr. Vikas (Dean)

CO. No.	Course Outcomes (CO's)
CO1	Integrate the knowledge gained by students by studying clinical orthopaedics with skills to apply these in clinical selection of dysfunction and musculoskeletal pathology
CO2	Understand the physiotherapy diagnosis with skilfull evaluation of structure and function with clinical reasoning
CO3	Understand relevant investigative techniques which will help to diagnose various orthopaedic conditions

Course Name: Professional Communication Skills	**Course Code: ENG 307**
Course Year/Semester: 5th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Identify common errors and rectify them
CO2	Apply verbal and non-verbal communication techniques in the profressional environment
CO3	Adopt strategies for effective reading and writing skills
CO4	Learn the dynamics of social communication and to demonstrate the ability to learn the nuisance of informal communication

Course Name: Basics of Computer Sciences	**Course Code: CSE 391**
Course Year/Semester: 5th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Appreciate the rule of computer technology
CO2	Focus on computer organisation, computer operating system, and software

Course Name: Orthopaedic-I Lab	**Course Code: PTY 303**
Course Year/Semester: 5th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Understand the basic orthopaedics conditons which commonly cause disability and their management
CO2	To know the etiology classification pathology,clinical features relevant investigation, complications, surgical and non-surgical management of various orthopaedic conditions

Dr. Jaren Sahonta for
Dr. Vikas (Dean)

CO3	Able to read and interpret features of X-ray and co-relate with the clinical findings
CO4	Understand the treatment started according with upgradation need to be match with patient condition

Course Name: General Medicine -I Lab	**Course Code: PTY 307**
Course Year/Semester: 5th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Knowledge of various drugs used for each medical condition to understand it's effects and uses during therapy
CO2	Use physiotherapeutic measures as preventive or restorative rehabilitation purpose for pulmonary or cardiac patients
CO3	Demonstrate the ability to diagnose and construct our treatment plan for common illness

Course Name: Physiotherapy in Ortho conditions-I Lab	**Course Code: PTY 311**
Course Year/Semester: 5th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Integrate the knowledge gained by students by studying clinical orthopaedics with skills to apply these in clinical selection of dysfunction and musculoskeletal pathology
CO2	Understand the physiotherapy diagnosis with skilfull evaluation of structure and function with clinical reasoning
CO3	Understand relevant investigative techniques which will help to diagnose various orthopaedic conditions

Course Name: Basics of Computer sciences Lab	**Course Code: CSE 393**
Course Year/Semester: 5th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Appreciate the rule of computer technology
CO2	Focus on computer organisation, computer operating system, and software

Course Name: Orthopaedics-II	**Course Code: PTY 302**
Course Year/Semester: 6th - Sem	

CO. No.	Course Outcomes (CO's)

Dr. Javed Sahonta
Dr. Vikas (Dean)

CO1	Acquired abroad knowledge base that comprises the evaluation and management of common orthopaedic conditions
CO2	To demonstrate psychomotor and techincal skills required for the management and care of common conditions encountered in
CO3	Understand the anatomy and physiology of musculoskeletal system with emphasis on the upper and lower extremeties and joints

Course Name: General Medicine - II	**Course Code: PTY 306**
Course Year/Semester: 6th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Choose principles of evidence-based medicine in making diagnostic and management decision in internal medicine
CO2	Acquire a basic knowledge of internal medicine and a greater knowledge of those areas relevant to patients assigned to the individual student
CO3	Understand the limitations imposed by the diseases on any therapy

Course Name: Physiotherapy in Ortho-conditions-II	**Course Code: PTY 310**
Course Year/Semester: 6th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Identify disability due to musculoskeletal function, set treatment goal and apply their skill gained in exercise therapy, electro therapy, and other techniques in clinical situations to restore musculoskeletal functions
CO2	Understand relevant investigation techniques which will help to diagnose various orthopaedic conditions
CO3	Demonstrate clinical decision making ability and read different musculoskeletal conditions

Course Name: Physiotherapy in Medical Conditions	**Course Code: PTY 314**
Course Year/Semester: 6th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	To set goals and execute rehabilitation program to achieve them in different surgical conditions
CO2	To make proper physiotherapy assessment and design rehabilitation program for patients with organ transplatation
CO3	To implant physiotherapy program in various diseases according to the need of patient

Course Name: Practice of Physiotherapy	**Course Code: PTY 318**

Dr. Jaree Sahanta
Dr. Vikas (Khan)

Course Year/Semester: 6th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Understand the medicolegal issues in physiotherapy
CO2	Understand the ethical principles of physiotherapy profession
CO3	Understand priniciples of management in personal management, time management, and administration including budgeting

Course Name: Orthopaedic-II Lab	Course Code: PTY 304
Course Year/Semester: 6th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Acquired abroad knowledge base that comprises the evaluation and management of common orthopaedic conditions
CO2	To demonstrate psychomotor and techincal skills required for the management and care of common conditions encountered in orthopaedic patients
CO3	Understand the anatomy and physiology of musculoskeletal system with emphasis on the upper and lower extremeties and joints

Course Name: General Medicine - II Lab	Course Code: PTY 308
Course Year/Semester: 6th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Choose principles of evidence-based medicine in making diagnostic and management decision in internal medicine
CO2	Acquire a basic knowledge of internal medicine and a greater knowledge of those areas relevant to patients assiggned to the individual student
CO3	Understand the limitations imposed by the diseases on any therapy

Course Name: Physiotherapy in Ortho conditions-II Lab	Course Code: PTY 312
Course Year/Semester: 6th - Sem	

Dr. Jaya Sahanta for
Dr. Vikas (Dean)

CO. No.	Course Outcomes (CO's)
CO1	Identify disability due to musculoskeletal function, set treatment goal and apply their skill gained in exercise therapy, electro therapy, and other techniques in clinical situations to restore musculoskeletal functions
CO2	Understand relevant investigation techniques which will help to diagnose various orthopaedic conditions
CO3	Demonstrate clinical decision making ability and read different musculoskeletal conditions

Course Name: Physiotherapy in Medical Conditions Lab	Course Code: PTY 316
Course Year/Semester: 6th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	To set goals and execute rehabilitation program to achieve them in different surgical conditions
CO2	To make proper physiotherapy assessment and design rehabilitation program for patients with organ transplatation
CO3	To implant physiotherapy program in various diseases according to the need of patient
CO4	

Course Name: General Surgery-I	Course Code: PTY 401
Course Year/Semester: 7th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Demonstrate comprehensive understanding of general surgery
CO2	Understand the etiology, pathology, patient symptoms, and the resultant functional disability
CO3	Understand the limitation imposed by the diseases in any therapy

Course Name: Neurology-I	Course Code: PTY 405
Course Year/Semester: 7th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Demonstrate comprehensive understanding of nervous system
CO2	Acquire the knowledge in nervous system that are required to be practiced in community and at all level of health care system
CO3	Understand the basis neurological conditions which commonly cause disabilities and their management

Dr. Jaries Sahonta Per
Dr. Vikas (Dean)

Course Name: Physiotherapy in Neurological condition I	Course Code: PTY 409
Course Year/Semester: 7th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Identify the disability due to neurological dysfunction
CO2	Understand the basic principles of physiotherapy assessment, functional assessment and application of physiotherapy in various cranial and spinal surgeries

Course Name: Physiotherapy in Sports Conditions I	Course Code: PTY 413
Course Year/Semester: 7th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Assessment of players sustaining sports injuries
CO2	Development of injury prevention program for the sports playing population
CO3	Prevention and minimising various risk factors of sports injuries
CO4	Able to workout proper fitness regimen and rehabilitation protocol for various sports injuries

Course Name: Research Methodology & Biostatistics	Course Code: PTY 417
Course Year/Semester: 7th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Critically evaluate research activities
CO2	Plan and conduct an educational session or program
CO3	Apply the principles of research and biostatistics to health practice including the design and implementation of health related research studies

Course Name: General Surgery - I Lab	Course Code: PTY 403
Course Year/Semester: 7th - Sem	

CO. No.	Course Outcomes (CO's)

Dr. Javer Sahonta
Dr. Vikas (Dean)

CO1	Demonstrate comprehensive understanding of general surgery
CO2	Understand the etiology, pathology, patient symptoms, and the resultant functional disability
CO3	Understand the limitation imposed by the diseases in any therapy

Course Name: Neurology-I Lab	Course Code: PTY 407
Course Year/Semester: 7th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Demonstrate comprehensive understanding of nervous system
CO2	Acquire the knowledge in nervous system that are required to be practiced in community and at all level of health care system
CO3	Understand the basis neurological conditions which commonly cause disabilities and their management

Course Name: Physiotherapy in Neurological condition Lab I	Course Code: PTY 411
Course Year/Semester: 7th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Identify the disability due to neurological dysfunction
CO2	Understand the basic principles of physiotherapy assessment, functional assessment and application of physiotherapy in various cranial and spinal surgeries

Course Name: Physiotherapy in Sports Conditions I Lab	Course Code: PTY 415
Course Year/Semester: 7th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Assessment of players sustaining sports injuries
CO2	Development of injury prevention program for the sports playing population
CO3	Prevention and minimising various risk factors of sports injuries
CO4	Able to workout proper fitness regimen and rehabilitation protocol for various sports injuries

Dr. Jasvir Sahonta Per
Dr. Vikas (Dean)

Course Name: General Surgery-II	Course Code: PTY 402
Course Year/Semester: 8th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Demonstrate proficiency in the primary, secondary and tertiary survey for the injured patient
CO2	Demonstrate proficiency in open and closing the abdomen in a relatively stable patient without previous intra abdominal surgery
CO3	Review best current models of treatments for patients with different surgical conditions
CO4	Discuss effective practice management techniques

Course Name: Neurology II	Course Code: PTY 406
Course Year/Semester: 8th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Demonstrate comprehensive understanding of nervous system
CO2	Acquire the knowledge in nervous system that are required to be practiced in community and at all level of health care system
CO3	Understand the basis neurological conditions which commonly cause disabilities and their management

Course Name: Physiotherapy In Surgical Conditions	Course Code: PTY 410
Course Year/Semester: 8th - Sem	ACADEMIC YEAR: 2020-21

CO. No.	Course Outcomes (CO's)
CO1	Demonstrate general understanding of the disease that therapist would encounter in their practice
CO2	Understand etiology and pathology of functional disablities
CO3	Elaborate broad outline of goals of pharmacology and surgical therapy impaired in those diseases in which physiotherapy will be an important component

Dr. James Sahonta
Dr. Vikas (Dean)

CO4	Ability to use theoretical and practical information in planning effective and safe physiotherapy program in various surgical conditions

Course Name: Physiotherapy in Sports Conditions II	**Course Code: PTY 414**
Course Year/Semester: 8th - Sem	**ACADEMIC YEAR: 2020-21**

CO. No.	Course Outcomes (CO's)
CO1	Assessment of players sustaining sports injuries
CO2	Development of injury prevention program for the sports playing population
CO3	Prevention and minimising various risk factors of sports injuries
CO4	Able to workout proper fitness regimen and rehabilitation protocol for various sports injuries

Course Name: Rehabilitation	**Course Code: PTY 418**
Course Year/Semester: 8th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Understand their role in management of the disability with the rehabilitation team
CO2	Understand the concept of team approach in rehabilitation
CO3	Formulate appropriate goals (long and short term) in treatment and rehabilitation
CO4	Observe and identify the diagnostic features in physical conditions

Course Name: General Surgery-II Lab	**Course Code: PTY 404**
Course Year/Semester: 8th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Assessment of players sustaining sports injuries
CO2	Development of injury prevention program for the sports playing population
CO3	Prevention and minimising various risk factors of sports injuries
CO4	Able to workout proper fitness regimen and rehabilitation protocol for various sports injuries

Course Name: Neurology-II Lab	**Course Code: PTY 408**
Course Year/Semester: 8th - Sem	

Dr. James Sahanta for
Dr. Vikas (Dean)

Baba Mast Nath Singh
Village
P.O.
Dist. Jajjar

CO. No.	Course Outcomes (CO's)
CO1	Understand relevant investigations which will help to know about the important medical conditions
CO2	Understand infection contolled principles, best practices and techniques applicable to arrange of setting where client with neurological conditions
CO3	List the impairements in cerebrovascular accidents and motor neuron diseases
CO4	Plan and demonstrate assessment and treatment for impairments in multiple sclerosis and motor neuron diseases

Course Name: Physiotherapy in surgical conditions lab	Course Code: PTY 412
Course Year/Semester: 8th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Demonstrate general understanding of the disease that therapist would encounter in their practice
CO2	Understand etiology and pathology of functional disablities
CO3	Elaborate broad outline of goals of pharmacology and surgical therapy impaired in those diseases in which physiotherapy will be an important component
CO4	Ability to use theoretical and practical information in planning effective and safe physiotherapy program in various surgical conditions

Course Name: Physiotherapy in Sports Conditions Lab	Course Code: PTY 416
Course Year/Semester: 8th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Understand and identify the patient problems and principles of sports related soft tissue management based on current evidence
CO2	Understand the componenents of examination in order to make clinical judgements regarding patient

Dr. Javeed Sahoota For

Dr. Vikas (Dean)

Sant Baba Bhag Singh

CO3	Communicate and educate the individual, community and other professionals about therapy, health, prevention, and wellness to enhance physiotherapy outcomes

Course Name: Rehabilitation Lab	**Course Code: PTY 420**
Course Year/Semester: 8th - Sem	

CO. No.	Course Outcomes (CO's)
CO1	Prescribe checkout and train the uses of various rehabilitation aids
CO2	Identify the residual potential in patients with partial or total disability
CO3	Formulate approriate goals (long and short term) in treatment and rehabilitation

Dr. Jasvir Sahota

Dr. Vikas (Dean)

	Programme Education Outcomes (PEO'S) of Physiotherapy Department
PEO1	Evaluate and diagnose various pathophysiological and anatomical impairments causing physical dysfunction among different age groups in population & treat them respectively.
PEO2	Understand various approaches of medical system in planning specific physiotherapy measures effectively.
PEO3	Be a competent and reflective physiotherapy practitioner who can function safely and effectively while maintaining legal, ethical and professional standards of practice among large number of people in a physiotherapy setting.
PEO4	Promote health in general, as well as competitive level such as sports, work productivity, geriatrics, women's health etc, keeping in mind the national health policies.
PEO5	Understand core concepts of clinical ethics and law so that they may apply these to their practice as physiotherapists.
PEO6	Maintain their learning ability by self assessment and by participating in different programs and learn new techniques which will help them to grow their professional education & meet the specific needs of population.

Signature of COD

Dr. James Sahoo

for

Signature of Dean Institute

Dr. Vikas (Dean)