

[Course Outcomes\\_2022.pdf \(tmv.edu.in\)](#)

The programmes offered in our college have both social and economic relevance. These include field survey, Community extension activities, etc. All the information gathered by these studies is analyzed to make the syllabus more effective and valuable. College organizes seminars to create interest of the students on research and development. Our college follows the academic programme formed by the University. All students and teachers of different departments are instructed periodically through circular. The Institution ensures that the intended learning outcomes are effectively achieved. The College assesses the learning outcomes of students through their performance in continuous assessment and internal examination. Each department assesses the performance of students on a regular basis and takes measures to overcome barriers of learning. It enhances the confidence of students and prepares them to face the final examinations. The Institute has sufficient clinical material which, under the proper faculty guidance is optimally utilized by the students to gain skills and experience.

### **Course Outcomes:**

#### **First Year Bachelor of Physiotherapy**

**Course: Anatomy**

**Course Code: BPT-101**

Course Outcomes: The student should be able to

CO1	Identify & describe anatomical aspects of muscles, bones, joints, their attachments & to understand and analyse movements
CO2	Application of knowledge of anatomy on the living (living anatomy)
CO3	To understand the Anatomical basis of various clinical conditions

**Course: Physiology**

**Course Code: BPT-102**

Course Outcomes: The student should be able to

CO1	Describe physiological functions of various systems, with special reference to Musculo-skeletal, Neuro-motor, Cardio-respiratory, Endocrine, Uro-genital function, & alterations in function with aging
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CO2	Analyse physiological response & adaptation to environmental stresses-with special emphasis on physical activity, altitude, temperature
CO3	Acquire the skill of basic clinical examination, with special emphasis to Peripheral & Central Nervous system, Cardiovascular & Respiratory system, & Exercise tolerance / Ergography

**Course: Biochemistry**

**Course Code: BPT-103**

Course Outcomes: The student should know:

CO1	Various biomolecules which are present in the body and functions
CO2	The formation and fate of these biomolecules
CO3	Their normal levels in body fluids required for functioning and their abnormal levels to understand the disease process.

**Course: Fundamentals of Kinesiology & Kinesiotherapy Course Code: BPT-104**

Course Outcomes: Students should be able to

CO1	Demonstrate the movements in terms of various anatomical planes and axes.
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CO2	Acquire the skill of objective assessment of Range of Motion of the joints by Goniometry
CO3	Describe physiological basis and principle of relaxation and acquire the skills of relaxation methods

**Course: Fundamentals of Electrotherapy**

**Course Code: BPT-105**

Course Outcomes: Students should be able to

CO1	Enumerate Types & Production of various Therapeutic electrical currents & describe the panel diagrams of the machines
CO2	Test the working of the various electrotherapeutic equipment
CO3	Describe & identify various types of electrodes used in therapeutics, describe electrical skin resistance & significance of various media used to reduce skin resistance.

## Fourth Year of Physiotherapy

**Course: Musculoskeletal Physiotherapy**

**Course Code: BPT- 401**

Course Outcomes: Student should be able to:

CO1	Identify, evaluate, analyse & discuss primary and secondary musculo-skeletal dysfunction, based on biomechanical, kinesiological & patho-physiological principles
CO2	Correlate the same with radiological, electrophysiological, biochemical/haematological investigations as applicable & arrive at the appropriate Physiotherapy diagnosis with skilful evaluation of structure and function with clinical reasoning
CO3	Prescribe and train for appropriate orthoses, prostheses and walking aids based on musculoskeletal dysfunction.

**Course: Neuro Physiotherapy**

**Course Code: BPT- 402**

Course Outcomes: Student should be able to:

CO1	Be able to identify and analyse 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 using WHO-ICF with clinical reasoning
CO2	Be able to select timely physiotherapeutic interventions to reduce morbidity and physiotherapy management strategies, suitable for the patients' problems and indicator conditions based on the best available evidence.
CO3	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

**Course: Cardiovascular & Pulmonary Physiotherapy**

**Course Code: BPT- 403**

Course Outcomes: Student should be able to:

CO1	Identify and analyse cardio-vascular & pulmonary dysfunction in terms of bio-mechanical, 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 using WHO-ICF tool (Disability, Functioning and contextual factors) with clinical reasoning.
CO2	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.
CO3	Utilise the skill to deliver cardiac, pulmonary & vascular rehabilitation

**Course: Community Physiotherapy**

**Course Code: BPT- 404**

Course Outcomes: Student should know:

CO1	Physiology of aging process and its influence on physical fitness.
CO2	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
CO3	The evaluation of disability and planning for prevention and rehabilitation.

**Course: Professional Practice & Ethics**

**Course Code: BPT- 405**

Course Outcomes: Student should be able to:

CO1	Learn and apply ethical code of conduct in fields of clinical practice, learning, teaching, research and physiotherapist-patient relationship
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CO2	Acquire communication skills in relation with patients, peers, seniors and other professionals
CO3	Develop bedside behaviour, respect & maintain patients' confidentiality

**Course: Administration, Management & Marketing      Course Code: BPT- 406**

Course Outcomes: Student should be able to:

CO1	Learn the management basics in fields of clinical practice, teaching, research and physiotherapy practice in the community
CO2	Acquire the knowledge of the basics in Managerial & Management skills, & use of Information technology in professional Practice
CO3	Develop skill to evaluate and make decision for plan of management based on sociocultural values and referral practice.

**Course: Principles of Bioengineering      Course Code: BPT- 407**

Course Outcomes: Student should be able to:

CO1	Acquire knowledge about biomechanical principles of application of variety of aids & appliances used for ambulation, protection & prevention.
CO2	Acquire in brief knowledge about various material used for splints/ Orthoses & prostheses and their selection criteria
CO3	Acquire the skill of fabrication of simple splints made out of Low-cost material

**Course: Research Methodology and Biostatistics      Course Code: BPT-408**

Course Outcomes: Student should be able to:

CO1	Enumerate the steps in Physiotherapy research process
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CO2	Describe the importance & use of biostatistics for research work
CO3	Acquire skills of reviewing literature, formulating a hypothesis, collecting data, writing research proposal

## Program Outcomes

1	To provide a suitable platform to nurture a Physiotherapist who shall lead to serve and heal in variety of health care and social settings to provide the best quality of life to an individual
2	To promote the health of the patients or person and enhance the professional, contextual and collaborative foundation of physiotherapy practice
3	To train our students to deliver humanistic health services for patients and their families
4	To promote and inculcate hands-on skills and expertise with updates in health care education.
5	To provide a premier hands-on teaching center with realistic, excellent training to create proficient, compassionate and empathetic physiotherapists
6.	To build capacities, beliefs and core values of human care, health care, knowledge, team work and voluntarism through its teaching endeavors.

## Program Specific Outcome

1	Acquire, assess, apply, and integrate new knowledge, learn to adapt to changing circumstances and ensure that patients receive the highest level of professional care.
2	Establish the foundations for lifelong learning and continuing professional development, including a professional development portfolio containing reflections, achievements and learning needs.
3	Continually and systematically reflect on practice and, whenever necessary, integrate that reflection into action, using improvement techniques and audit.
4	Manage time and prioritize tasks, and work autonomously when necessary and appropriate
5	Recognize own personal and professional limits and seek help from colleagues and supervisors when necessary.