

**COURSE OUTCOMES (CO1 TO CO6) FOR PHYSIOTHERAPY:**

**FOR**  
**EVALUATION**

1. CO1: Knowledge (Remembering)
2. CO2: Comprehension (Understanding)
3. CO3: Application (Applying)
4. CO4: Analysis (Analysing)
5. CO5: Synthesis (Creating)
6. CO6: Evaluation (Evaluating)

**PROGRAM OUTCOMES (PO1 TO PO12) FOR PHYSIOTHERAPY:**

**PO1: Knowledge Acquisition**

Graduates will acquire comprehensive knowledge of anatomy, physiology, and other relevant sciences fundamental to physiotherapy practice.

**PO2: Communication Skills**

Graduates will demonstrate effective communication skills, both verbal and written, to facilitate interactions with patients, colleagues, and other healthcare professionals.

**PO3: Critical Thinking Abilities**



Graduates will develop critical thinking abilities to analyze complex clinical situations, make informed decisions, and adapt physiotherapeutic interventions based on individual patient needs.

**PO4: Understanding of Concepts**

Graduates will achieve a deep understanding of key concepts and principles related to physiotherapy, including biomechanics, kinesiology, and therapeutic modalities.

**PO5: Ethical Awareness**

Graduates will exhibit a heightened ethical awareness, upholding ethical standards and demonstrating respect, empathy, and cultural sensitivity in their interactions with patients and colleagues.

**PO6: Research Proficiency**

Graduates will attain proficiency in research methodologies and evidence-based practice, allowing them to contribute to advancements in the field of physiotherapy.

**PO7: Application Skills**

Graduates will demonstrate practical application skills, applying various therapeutic techniques and interventions to address the diverse healthcare needs of patients.

**PO8: Integration of Knowledge**

Graduates will integrate knowledge from different domains, combining theoretical understanding with practical application to provide holistic physiotherapeutic care.

**PO9: Effective Communication**

Graduates will exhibit effective communication skills in educating and counseling patients, fostering patient engagement and adherence to treatment plans.

**PO10: Analytical Skills**

Graduates will possess analytical skills to assess patient progress, interpret outcome measures, and make data-driven adjustments to treatment plans.



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Rathod  
Gandhinagar

**PO11: Critical Thinking Proficiency**

Graduates will demonstrate proficiency in critical thinking, systematically evaluating and challenging established practices to improve the quality of patient care.

**PO12: Research Competence**

Graduates will achieve research competence, conducting and contributing to research in the field of physiotherapy, thereby advancing the knowledge base and evidence for effective practice.



**CO-PO Mapping Bachelor of Physiotherapy**

**(BPT)1<sup>ST</sup> YEAR**

**Subject Name: Human Anatomy**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
5	190	3	114	8	304	70	30	70	30	<b>200</b>

**Course Code:** 63011101

**Course Title:** Human Anatomy

**Course Outcomes (CO):**

1. Demonstrate a comprehensive understanding of the anatomical structures of the human body.
2. Apply anatomical knowledge to understand the underlying mechanisms of various diseases and injuries.
3. Analyze and interpret anatomical images (e.g., X-rays, CT scans, MRIs).
4. Demonstrate proficiency in anatomical terminology and nomenclature.
5. Identify and describe the major anatomical regions and structures of the human body.
6. Correlate anatomical structures with physiological functions.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medium	Low	High	Medium	Low	Low	Low	Medium	High	High	Low
CO2	High	Medium	Low	High	Medium	Low	Low	Low	Medium	High	High	Low
CO3	Low	Low	Medium	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	High	Medium	High	High	Low	Low	Low	Low	Medium	High	High	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



**Subject Name: Human Physiology & Biochemistry**

**Physiology:**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
3.5	133	3	114	6.5	247	20	30	50	70	<b>170</b>

**Biochemistry:**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
1.5	57	-	-	1.5	57	10	0	20	0	<b>30</b>

**Course Code:** 63011102

**Course Title:** Human Physiology & Biochemistry

**Course Outcomes (CO):**

1. Explain the physiological functions of various body systems.
2. Correlate physiological processes with biochemical pathways and their relevance to human health.
3. Analyze and interpret physiological and biochemical data.
4. Demonstrate an understanding of the mechanisms of homeostasis and disease.
5. Apply physiological and biochemical principles to understand the effects of physical activity and exercise on the human body.
6. Evaluate the impact of environmental factors on physiological and biochemical functions.

**Biochemistry**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Dr. Pooja*



CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	High	Medi Um	High	High	Low	Low	Low	Low	Medi Um	High	High	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

### Physiology

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	high	medi um	low	high	medi um	low	low	low	medi um	high	high	low
CO2	high	medi um	low	high	medi um	low	low	low	medi um	high	high	low
CO3	low	low	medi um	low	low	low	low	low	low	low	low	low
CO4	high	medi um	high	high	low	low	low	low	medi um	high	high	low
CO5	low	low	low	low	low	low	low	low	low	low	low	low
CO6	low	low	low	low	low	low	low	low	low	low	low	low

(NOTE: H: HIGH, L: LOW, M: MEDIUM)

*Shree*



**Subject Name: Psychology**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
1.5	57	-	-	1.5	57	15	-	35	-	<b>50</b>

**Course Code:** 63011103

**Course Title:** Psychology

**Course Outcomes (CO):**

1. Understand the principles and theories of psychology.
2. Apply psychological concepts to understand human behavior and mental processes.
3. Evaluate psychological research and methods.
4. Develop an understanding of the psychological factors influencing health and well-being.
5. Demonstrate an awareness of ethical issues in psychology.
6. Apply psychological knowledge to interpersonal relationships and communication.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	High	Medi Um	High	High	Low	Low	Low	Low	Medi Um	High	High	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



**Subject Name: Sociology**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
1.5	57	-	-	1.5	57	15	-	35	-	<b>50</b>

**Course Code:** 63011103

**Course Title:** Sociology

**Course Outcomes (CO):**

1. Understand the basic concepts and theories of sociology.
2. Analyze social structures, institutions, and processes.
3. Evaluate the impact of social factors on individual behavior and society.
4. Understand the principles of social research and methods.
5. Develop an awareness of social issues and problems.
6. Apply sociological knowledge to understand and address social challenges.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	High	Medi Um	High	High	Low	Low	Low	Low	Medi Um	High	High	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*





**Subject Name: Fundamentals of Biomedical Physics**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
3	114	2	76	5	190	30	30	70	70	<b>200</b>

**Course Code:** 63011104

**Course Title:** Fundamentals of Biomedical Physics

**Course Outcomes (CO):**

1. Understand the basic principles of physics as applied to biological systems.
2. Analyze the biomechanical properties of tissues and organs.
3. Apply biophysical concepts to understand physiological processes.
4. Evaluate the use of medical imaging techniques.
5. Understand the principles of radiation therapy and its applications.
6. Apply biophysical knowledge to the design and evaluation of medical devices.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	High	Medi Um	High	High	Low	Low	Low	Low	Medi Um	High	High	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



**Subject Name: Exercise Therapy I and Soft Tissue Manipulation**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
3	114	3	114	6	228	30	30	70	70	<b>200</b>

**Course Code:** 63011105

**Course Title:** Exercise Therapy I and Soft Tissue Manipulation

**Course Outcomes (CO):**

1. Apply exercise therapy techniques to improve physical function and rehabilitation.
2. Perform various soft tissue manipulation techniques.
3. Assess and evaluate the effectiveness of exercise therapy and soft tissue manipulation.
4. Develop and implement individualized exercise therapy programs.
5. Understand the biomechanics of movement and exercise.
6. Apply exercise therapy and soft tissue manipulation in the management of musculoskeletal disorders.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



**Subject Name: Orientation Program In Startup And Entrepreneurship**

**Course Code:** 12300020

**Course Title:** Introduction to Innovation & Entrepreneurship

**Course Outcomes (CO):**

1. Understand the concepts of innovation and entrepreneurship.
2. Identify and evaluate opportunities for innovation and entrepreneurship in the healthcare sector.
3. Develop entrepreneurial skills, such as problem-solving, creativity, and decision-making.
4. Create a business plan for a healthcare-related venture.
5. Understand the legal and ethical considerations of entrepreneurship.
6. Develop a network of contacts in the healthcare and business community.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	High	High	Low	Low	Low	Low	Low	Low	High	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



**CO-PO Mapping for Bachelor of**  
**Physiotherapy**<sup>2<sup>nd</sup></sup> **YEAR**  
**BPT**

**Subject: Pathology**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
2	76	-	-	2	76	15	-	35	-	<b>50</b>

**Course Code:** 63011201

**Course Title:** Pathology

**Course Outcomes (CO):**

1. Understand the principles and techniques of pathology.
2. Identify and diagnose diseases through microscopic examination.
3. Correlate pathologic findings with clinical manifestations.
4. Understand the pathogenesis of various diseases.
5. Apply pathologic knowledge to patient care and treatment planning.
6. Demonstrate proficiency in autopsy techniques.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	High	Medi Um	High	High	Low	Low	Low	Low	Medi Um	High	High	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Sheela*



**Subject: Microbiology**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
2	76	-	-	2	76	15	-	35	-	<b>50</b>

**Course Code:** 63011201

**Course Title:** Microbiology

**Course Outcomes (CO):**

1. Understand the principles of microbiology.
2. Identify and classify microorganisms.
3. Study the structure, function, and metabolism of microorganisms.
4. Understand the role of microorganisms in human health and disease.
5. Apply microbiological techniques in laboratory settings.
6. Demonstrate an understanding of antimicrobial agents and their mechanisms of action.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	High	Medi Um	High	High	Low	Low	Low	Low	Medi Um	High	High	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



**Subject: Pharmacology**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
2	76	-	-	2	76	30	-	70	-	<b>100</b>

**Course Code:** 63011202

**Course Title:** Pharmacology

**Course Outcomes (CO):**

1. Understand the principles of pharmacology.
2. Classify drugs based on their therapeutic actions and mechanisms of action.
3. Evaluate the safety and efficacy of drugs.
4. Apply pharmacological knowledge to patient care and treatment planning.
5. Understand the pharmacokinetics and pharmacodynamics of drugs.
6. Demonstrate an understanding of drug interactions and adverse effects.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	High	Medi Um	High	High	Low	Low	Low	Low	Medi Um	High	High	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Sheela*



**Subject: Exercise Therapy II**

**Course Code:** 63011203

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
4	152	3	114	7	266	30	30	70	70	<b>200</b>

**Course Title:** Exercise Therapy II

**Course Outcomes (CO):**

1. Apply advanced exercise therapy techniques to improve physical function and rehabilitation.
2. Develop and implement specialized exercise programs for various conditions.
3. Assess and evaluate the progress of patients undergoing exercise therapy.
4. Understand the biomechanics of movement in various populations.
5. Apply exercise therapy principles in the management of chronic diseases.
6. Collaborate with other healthcare professionals to provide comprehensive care.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



**Subject: Biomechanics & Kinesiology**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
3	114	-	-	3	114	30	-	70	-	<b>100</b>

**Course Code:** 63011204

**Course Title:** Biomechanics & Kinesiology

**Course Outcomes (CO):**

1. Understand the principles of biomechanics and kinesiology.
2. Analyze human movement using biomechanical techniques.
3. Evaluate the biomechanical factors contributing to injury and dysfunction.
4. Apply biomechanical principles to the design of exercise programs and rehabilitation interventions.
5. Understand the role of biomechanics in sports performance.
6. Conduct biomechanical research and analysis.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	High	Medi Um	High	High	Low	Low	Low	Low	Medi Um	High	High	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*





**Subject: Psychiatry**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
2	76	-	-	2	76	30	-	70	-	<b>100</b>

**Course Code:** 63011205

**Course Title:** Psychiatry

**Course Outcomes (CO):**

1. Understand the principles and theories of psychiatry.
2. Diagnose and treat mental health disorders.
3. Apply psychiatric knowledge to the management of patients with mental health conditions.
4. Understand the role of psychosocial factors in mental health.
5. Evaluate the effectiveness of psychiatric interventions.
6. Demonstrate an awareness of ethical issues in psychiatry.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



**Subject: Electrotherapy**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
4	152	3	114	7	266	30	30	70	70	<b>200</b>

**Course Code:** 63011206

**Course Title:** Electrotherapy

**Course Outcomes (CO):**

1. Understand the principles of electrotherapy.
2. Apply various electrotherapy modalities to treat different conditions.
3. Assess and evaluate the effectiveness of electrotherapy.
4. Understand the biophysical effects of electrical currents on tissues.
5. Select appropriate electrotherapy parameters for different conditions.
6. Demonstrate proficiency in the use of electrotherapy equipment.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



**Subject: Community Medicine**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
						Th	Pr	Th	Pr	
Credit	Hours	Credit	Hours	Credit	Hours					
2	76	-	-	2	76	30	-	70	-	<b>100</b>

**Course Code:** 63011207

**Course Title:** Community Medicine

**Course Outcomes (CO):**

1. Understand the principles of community medicine.
2. Assess the health needs of a community.
3. Develop and implement community health programs.
4. Evaluate the effectiveness of community health interventions.
5. Understand the role of public health in disease prevention and control.
6. Collaborate with community partners to address health issues.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	High	High	Low	Low	Low	Low	Low	Low	High	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



**Subject: Clinical Education I**

**Course Code:** 63011209

**Course Title:** Clinical Education I

**Course Outcomes (CO):**

1. Apply theoretical knowledge to clinical practice.
2. Develop clinical skills and competencies.
3. Interact effectively with patients and their families.
4. Work collaboratively with other healthcare professionals.
5. Demonstrate professionalism and ethical behavior in clinical settings.
6. Evaluate the effectiveness of clinical interventions.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low

**Subject: Intermediate & Advanced Program in Entrepreneurship**

**Course Code:** 12300021

**Course Title:** Intermediate & Advanced Program in Entrepreneurship

**Course Outcomes (CO):**

1. Develop advanced entrepreneurial skills and competencies.
2. Create and implement a comprehensive business plan.
3. Raise capital and secure funding for entrepreneurial ventures.
4. Manage and grow a business enterprise.
5. Understand the legal and financial aspects of entrepreneurship.
6. Network with other entrepreneurs and industry professionals.

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**




CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	High	Medi Um	High	High	Low	Low	Low	Low	Medi Um	High	High	Low
CO5	High	High	Low	Low	Low	Low	Low	Low	High	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

(NOTE: H: HIGH, L: LOW, M: MEDIUM)

*Shree*



**CO-PO Mapping for Bachelor of**

**Physiotherapy<sup>3<sup>RD</sup></sup> YEAR**

**BPT**

**Subject: Medicine-1 (General Medicine, Cardio-Respiratory Medicine, and Dermatology)**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
5	76	-	-	2	76	30	-	70	-	<b>100</b>

**Course Code:** 63011301

**Course Title:** Medicine-1 (General Medicine, Cardio-Respiratory Medicine, and Dermatology)

**Course Outcomes (CO):**

1. Demonstrate a comprehensive understanding of general medicine, cardiology, respiratory medicine, and dermatology.
2. Diagnose and manage various medical conditions in these specialties.
3. Apply clinical reasoning and problem-solving skills to patient care.
4. Prescribe appropriate medications and treatments.
5. Communicate effectively with patients and their families.
6. Collaborate with other healthcare professionals to provide comprehensive care.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medium	Low	High	Medium	Low	Low	Low	Medium	High	High	Low
CO2	High	Medium	Low	High	Medium	Low	Low	Low	Medium	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

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**Subject: Medicine-2 (Neurology and Pediatrics) & Surgery (General Surgery, Plastic Surgery, Neuro-Surgery & Cardio Thoracic Surgery) & Obstetrics and Gynecology**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
4	100+52	-	-	4	100+52	30	-	70	-	<b>100</b>

**Course Code:** 63011302

**Course Title:** Medicine-2 (Neurology and Pediatrics) & Surgery (General Surgery, Plastic Surgery, Neuro-Surgery & Cardio Thoracic Surgery) & Obstetrics and Gynecology

**Course Outcomes (CO):**

1. Demonstrate a comprehensive understanding of neurology, pediatrics, general surgery, plastic surgery, neurosurgery, cardiothoracic surgery, obstetrics, and gynecology.
2. Diagnose and manage various medical and surgical conditions in these specialties.
3. Perform surgical procedures as required.
4. Provide prenatal and postnatal care.
5. Manage pediatric patients and their families.
6. Collaborate with other healthcare professionals to provide comprehensive care.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**




**Subject: Surgery (General Surgery, Plastic Surgery, Neuro-Surgery & Cardio Thoracic Surgery) & Obstetrics and Gynecology**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
5	50+30+ 20+40+ 50=190	-	-	5	50+30+ 20+40+ 50=190	30	-	70	-	<b>100</b>

**Course Code:** 63011303

**Course Title:** Surgery (General Surgery, Plastic Surgery, Neuro-Surgery & Cardio Thoracic Surgery) & Obstetrics and Gynecology

**Course Outcomes (CO):**

1. Understand the principles and theories of psychiatry.
2. Diagnose and treat mental health disorders.
3. Apply psychiatric knowledge to the management of patients with mental health conditions.
4. Understand the role of psychosocial factors in mental health.
5. Evaluate the effectiveness of psychiatric interventions.
6. Demonstrate an awareness of ethical issues in psychiatry.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**






**Subject: Orthopedic (Traumatic and Non-Traumatic)**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
						Th	Pr	Th	Pr	
Credit	Hours	Credit	Hours	Credit	Hours					
4	76+76= 152	-	-			30	-	70	-	<b>100</b>

**Course Code:** 63011304

**Course Title:** Orthopedic (Traumatic and Non-Traumatic)

**Course Outcomes (CO):**

1. Demonstrate a comprehensive understanding of orthopedic conditions.
2. Diagnose and manage traumatic and non-traumatic orthopedic injuries.
3. Perform orthopedic surgeries as required.
4. Rehabilitate patients with orthopedic conditions.
5. Apply biomechanical principles to orthopedic care.
6. Collaborate with other healthcare professionals to provide comprehensive care.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**




**Subject: Physical and Functional Diagnosis**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
3	114	3	114	6	228	30	30	70	70	<b>200</b>

**Course Code:** 63011305

**Course Title:** Physical and Functional Diagnosis

**Course Outcomes (CO):**

1. Perform physical examinations and functional assessments.
2. Interpret diagnostic tests and procedures.
3. Develop a differential diagnosis for various conditions.
4. Order and interpret laboratory and imaging studies.
5. Communicate effectively with patients and other healthcare professionals.
6. Collaborate with other specialists to provide comprehensive care.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**




**Subject: Expert Program in Entrepreneurship and IPR**

**Course Code:** 12300022

**Course Title:** Expert Program in Entrepreneurship and IPR

**Course Outcomes (CO):**

1. Develop advanced entrepreneurial skills and competencies.
2. Create and implement a comprehensive business plan.
3. Raise capital and secure funding for entrepreneurial ventures.
4. Manage and grow a business enterprise.
5. Understand the legal and financial aspects of entrepreneurship and intellectual property rights (IPR).
6. Network with other entrepreneurs and industry professionals.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	High	High	Low	Low	Low	Low	Low	Low	High	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**Subject: Clinical Education II**

**Course Code:** 63011306

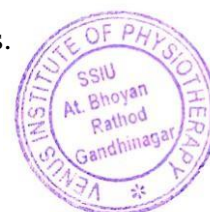
**Course Title:** Clinical Education II

**Course Outcomes (CO):**

1. Apply theoretical knowledge to clinical practice.
2. Develop advanced clinical skills and competencies.
3. Interact effectively with patients and their families.
4. Work collaboratively with other healthcare professionals in complex clinical settings.
5. Demonstrate professionalism and ethical behavior in clinical settings.

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



6. evaluate the effectiveness of clinical interventions.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

(NOTE: H: HIGH, L: LOW, M: MEDIUM)

*Shree*



**CO-PO Mapping for Bachelor of Physiotherapy**

**4<sup>TH</sup> YEAR BPT**

**Subject: Physiotherapy in Neurological Conditions**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
2	76	2	76	4	152	20	20	80	80	<b>200</b>

**Course Code:** 63011401

**Course Title:** Physiotherapy in Neurological Conditions

**Course Outcomes (CO):**

1. Apply physiotherapy techniques to manage neurological conditions.
2. Assess and evaluate patients with neurological disorders.
3. Develop individualized rehabilitation programs for neurological patients.
4. Understand the principles of neurorehabilitation.
5. Collaborate with other healthcare professionals in the management of neurological conditions.
6. Demonstrate proficiency in neurodiagnostic tests.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medium	Low	High	Medium	Low	Low	Low	Medium	High	High	Low
CO2	High	Medium	Low	High	Medium	Low	Low	Low	Medium	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**




**Subject: Physiotherapy in Musculoskeletal Conditions**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
2	76	2	76	4	152	20	20	80	80	<b>200</b>

**Course Code:** 63011402

**Course Title:** Physiotherapy in Musculoskeletal Conditions

**Course Outcomes (CO):**

1. Apply physiotherapy techniques to manage musculoskeletal disorders.
2. Assess and evaluate patients with musculoskeletal conditions.
3. Develop individualized rehabilitation programs for musculoskeletal patients.
4. Understand the biomechanics of musculoskeletal function.
5. Collaborate with orthopedic surgeons and other healthcare professionals.
6. Demonstrate proficiency in musculoskeletal assessment techniques.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medium	Low	High	Medium	Low	Low	Low	Medium	High	High	Low
CO2	High	Medium	Low	High	Medium	Low	Low	Low	Medium	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



**Subject: Physiotherapy in Cardio-Respiratory Conditions**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
2	76	2	76	4	152	20	20	80	80	<b>200</b>

**Course Code:** 63011403

**Course Title:** Physiotherapy in Cardio-Respiratory Conditions

**Course Outcomes (CO):**

1. Apply physiotherapy techniques to manage cardio-respiratory conditions.
2. Assess and evaluate patients with cardio-respiratory disorders.
3. Develop individualized rehabilitation programs for cardio-respiratory patients.
4. Understand the physiology of the cardiovascular and respiratory systems.
5. Collaborate with cardiologists and pulmonologists.
6. Demonstrate proficiency in cardio-respiratory assessment techniques.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**




**Subject: Physiotherapy in Medical and Surgical Conditions**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
						Th	Pr	Th	Pr	
Credit	Hours	Credit	Hours	Credit	Hours					
2	76	2	76	4	152	20	20	80	80	<b>200</b>

**Course Code:** 63011404

**Course Title:** Physiotherapy in Medical and Surgical Conditions

**Course Outcomes (CO):**

1. Apply physiotherapy techniques to manage a variety of medical and surgical conditions.
2. Assess and evaluate patients with medical and surgical conditions.
3. Develop individualized rehabilitation programs for patients post-surgery or illness.
4. Understand the principles of wound care and tissue healing.
5. Collaborate with physicians and surgeons in the management of medical and surgical conditions.
6. Demonstrate proficiency in post-operative rehabilitation techniques.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**






**Subject: Physiotherapy in Rehabilitation and Allied Therapeutics**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
						Th	Pr	Th	Pr	
Credit	Hours	Credit	Hours	Credit	Hours					
2	76	2	76	4	152	20	20	80	80	<b>200</b>

**Course Code:** 63011405

**Course Title:** Physiotherapy in Rehabilitation and Allied Therapeutics

**Course Outcomes (CO):**

1. Apply physiotherapy techniques in conjunction with other allied health therapies.
2. Coordinate rehabilitation programs involving multiple healthcare professionals.
3. Understand the principles of rehabilitation and its role in patient recovery.
4. Collaborate with occupational therapists, speech therapists, and other allied health professionals.
5. Demonstrate proficiency in rehabilitation techniques and equipment.
6. Evaluate the effectiveness of rehabilitation interventions.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**




**Subject: Biostatistics and Research Methodology**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
3	114	-	-	3	114	20	-	80	-	<b>100</b>

**Course Code:** 63011406

**Course Title:** Biostatistics and Research Methodology

**Course Outcomes (CO):**

1. Understand the principles of biostatistics and research methodology.
2. Collect, analyze, and interpret data using statistical methods.
3. Design and conduct research studies.
4. Evaluate the validity and reliability of research findings.
5. Apply research methods to clinical practice.
6. Demonstrate proficiency in statistical software.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	High	Medi Um	High	Low	Low	High	Low	Low	Medi Um	High	High	High

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**




**Subject: Start-Up Project**

**Course Code:** 12300023

**Course Title:** Start-Up Project

**Course Outcomes (CO):**

1. Develop entrepreneurial skills and competencies.
2. Create a business plan for a physiotherapy-related venture.
3. Raise capital and secure funding for the venture.
4. Manage and grow the business.
5. Understand the legal and financial aspects of entrepreneurship.
6. Network with other entrepreneurs and industry professionals.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	High	High	Low	Low	Low	Low	Low	Low	High	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**Subject: Clinical Education III**

**Course Code:** 63011407

**Course Title:** Clinical Education III

**Course Outcomes (CO):**

1. Apply theoretical knowledge to advanced clinical practice.
2. Develop advanced clinical skills and competencies.
3. Interact effectively with patients and their families in complex clinical settings.
4. Work independently as a physiotherapy professional.
5. Evaluate the effectiveness of clinical interventions in advanced practice.
6. Demonstrate leadership and mentorship skills.

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**




CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

(NOTE: H: HIGH, L: LOW, M: MEDIUM)

*Shree*



**CO-PO Mapping for Master of Physiotherapy**

**1<sup>st</sup> YEAR MPT**

**Subject: Basic Sciences Part-I**

Teaching Scheme			Evaluation Scheme				
Theory	Practical	Total	Internal		External		Total
			Th	Pr	Th	Pr	
5	3	8	30	30	70	70	<b>200</b>

**Course Code:** 66021101

**Course Title:** Basic Sciences Part-I

**Course Outcomes (CO):**

1. Demonstrate an understanding of the principles of work and exercise physiology.
2. Apply electrophysiological techniques to assess and diagnose neuromuscular disorders.
3. Analyze human movement using biomechanical principles.
4. Understand the history and principles of physiotherapy education and practice.
5. Evaluate the impact of exercise on physiological functions.
6. Correlate biomechanical factors with musculoskeletal disorders.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	Medi Um	High	High	Low	Low	Low	Low	Medi Um	High	High	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Sheela*



**Subject: Basic Science Part-II**

Teaching Scheme			Evaluation Scheme				
Theory	Practical	Total	Internal		External		Total
			Th	Pr	Th	Pr	
6	-	6	30	-	70	-	<b>100</b>

**Course Code:** 66021102

**Course Title:** Basic Science Part-II

**Course Outcomes (CO):**

1. Apply research methodology and biostatistics to physiotherapy research.
2. Utilize educational technology in physiotherapy practice.
3. Demonstrate an understanding of ethical principles and administrative procedures in physiotherapy.
4. Evaluate the effectiveness of educational interventions in physiotherapy.
5. Develop and implement evidence-based physiotherapy practices.
6. Understand the role of technology in physiotherapy education and practice.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	High	Low	Low	High	Low	Low	Medi Um	High	High	High
CO3	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



**Subject: Advanced Physiotherapeutics (Clinical Applied & Allied Therapeutics, Medical & Surgical)**

Teaching Scheme			Evaluation Scheme				
Theory	Practical	Total	Internal		External		Total
			Th	Pr	Th	Pr	
6	3	9	30	30	70	70	<b>200</b>

**Course Code:** 66021103

**Course Title:** Advanced Physiotherapeutics (Clinical Applied & Allied Therapeutics, Medical & Surgical)

**Course Outcomes (CO):**

1. Apply advanced physiotherapy techniques to manage various clinical conditions.
2. Demonstrate proficiency in clinical applied and allied therapeutics.
3. Evaluate the effectiveness of physiotherapy interventions in medical and surgical settings.
4. Develop and implement individualized rehabilitation programs for patients with medical and surgical conditions.
5. Collaborate effectively with other healthcare professionals.
6. Understand the principles of evidence-based practice in physiotherapy.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**




**Subject: Non-Elective Case and Micro-**

**Teaching Course Code: 66021104**

**Course Title: Non-Elective Case and Micro-Teaching**

**Course Outcomes (CO):**

1. Apply theoretical knowledge to clinical practice.
2. Develop clinical skills and competencies.
3. Interact effectively with patients and their families.
4. Work collaboratively with other healthcare professionals.
5. Demonstrate professionalism and ethical behavior in clinical settings.
6. Evaluate the effectiveness of clinical interventions.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**Subject: Clinical Training**

**Course Title: Clinical**

**Training Course Outcomes**

**(CO):**

1. Apply theoretical knowledge to clinical practice.
2. Develop clinical skills and competencies.
3. Interact effectively with patients and their families.
4. Work collaboratively with other healthcare professionals.
5. Demonstrate professionalism and ethical behavior in clinical settings.
6. Evaluate the effectiveness of clinical interventions.

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**






CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

(NOTE: H: HIGH, L: LOW, M: MEDIUM)

*Shree*



**CO-PO Mapping for Master of Physiotherapy**

**2<sup>nd</sup> YEAR MPT**

**Subject: Physical & Functional Diagnosis-Part-I & II**

Teaching Scheme			Evaluation Scheme				
Theory	Practical	Total	Internal		External		Total
			Th	Pr	Th	Pr	
3.5	3.5	7	30	30	70	70	<b>200</b>

**Course Code:** 66021201

**Course Title:** Physical & Functional Diagnosis-Part-I & II

**Course Outcomes (CO):**

1. Perform comprehensive physical examinations and functional assessments.
2. Interpret diagnostic tests and procedures.
3. Develop a differential diagnosis for various conditions.
4. Order and interpret laboratory and imaging studies.
5. Communicate effectively with patients and other healthcare professionals.
6. Collaborate with other specialists to provide comprehensive care.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**




**Subject: Elective: I Basics, Assessment, and Evaluation**

Teaching Scheme			Evaluation Scheme				
Theory	Practical	Total	Internal		External		Total
			Th	Pr	Th	Pr	
4	4	8	30	30	70	70	<b>200</b>

**Course Code:** 66021202/66021202-C

**Course Title:** Elective: Basics, Assessment, and Evaluation

**Course Outcomes (CO):**

1. Demonstrate a deep understanding of fundamental concepts in physiotherapy.
2. Apply advanced assessment techniques to evaluate patient function.
3. Develop and implement effective evaluation strategies.
4. Analyze and interpret assessment data.
5. Communicate assessment findings effectively.
6. Utilize assessment results to inform treatment planning.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**




**Subject: Elective: II Clinical Conditions & Physiotherapeutic Interventions**

Teaching Scheme			Evaluation Scheme				
Theory	Practical	Total	Internal		External		Total
			Th	Pr	Th	Pr	
4	4	8	30	30	70	70	<b>200</b>

**Course Code:** 66021203/66021203-C

**Course Title:** Elective: Clinical Conditions & Physiotherapeutic Interventions

**Course Outcomes (CO):**

1. Apply specialized physiotherapy techniques to manage specific clinical conditions.
2. Demonstrate expertise in the assessment and evaluation of patients with particular conditions.
3. Develop and implement tailored rehabilitation programs for specific conditions.
4. Understand the underlying pathophysiology and management of selected clinical conditions.
5. Collaborate with other healthcare professionals in the treatment of specific conditions.
6. Evaluate the effectiveness of physiotherapy interventions for specific conditions.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**




**Subject: Dissertation**

**Course Code:** 66021204

**Course Title:** Dissertation

**Course Outcomes (CO):**

1. Conduct independent research on a physiotherapy-related topic.
2. Develop a research question and hypothesis.
3. Design and implement a research study.
4. Collect, analyze, and interpret data.
5. Write a comprehensive dissertation.
6. Present research findings effectively.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	High	Medi Um	High	Low	Low	High	Low	Low	Medi Um	High	High	High

**Subject: Non-Elective Case + Elective Case (Separate for Each Elective); Viva Voce**

**Course Code:** 66021205

**Course Title:** Non-Elective Case + Elective Case (Separate for Each Elective); Viva Voce

**Course Outcomes (CO):**

1. Apply theoretical knowledge to clinical practice.
2. Develop clinical skills and competencies.
3. Interact effectively with patients and their families.
4. Work collaboratively with other healthcare professionals.
5. Demonstrate professionalism and ethical behavior in clinical settings.
6. Evaluate the effectiveness of clinical interventions.

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Sheela*



CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

(NOTE: H: HIGH, L: LOW, M: MEDIUM)

*Shree*



**COURSE OUTCOMES (CO1 TO CO6) FOR PHYSIOTHERAPY:**

**FOR**  
**EVALUATION**

1. CO1: Knowledge (Remembering)
2. CO2: Comprehension (Understanding)
3. CO3: Application (Applying)
4. CO4: Analysis (Analysing)
5. CO5: Synthesis (Creating)
6. CO6: Evaluation (Evaluating)

**PROGRAM OUTCOMES (PO1 TO PO12) FOR PHYSIOTHERAPY:**

**PO1: Knowledge Acquisition**

Graduates will acquire comprehensive knowledge of anatomy, physiology, and other relevant sciences fundamental to physiotherapy practice.

**PO2: Communication Skills**

Graduates will demonstrate effective communication skills, both verbal and written, to facilitate interactions with patients, colleagues, and other healthcare professionals.

**PO3: Critical Thinking Abilities**



Graduates will develop critical thinking abilities to analyze complex clinical situations, make informed decisions, and adapt physiotherapeutic interventions based on individual patient needs.

**PO4: Understanding of Concepts**

Graduates will achieve a deep understanding of key concepts and principles related to physiotherapy, including biomechanics, kinesiology, and therapeutic modalities.

**PO5: Ethical Awareness**

Graduates will exhibit a heightened ethical awareness, upholding ethical standards and demonstrating respect, empathy, and cultural sensitivity in their interactions with patients and colleagues.

**PO6: Research Proficiency**

Graduates will attain proficiency in research methodologies and evidence-based practice, allowing them to contribute to advancements in the field of physiotherapy.

**PO7: Application Skills**

Graduates will demonstrate practical application skills, applying various therapeutic techniques and interventions to address the diverse healthcare needs of patients.

**PO8: Integration of Knowledge**

Graduates will integrate knowledge from different domains, combining theoretical understanding with practical application to provide holistic physiotherapeutic care.

**PO9: Effective Communication**

Graduates will exhibit effective communication skills in educating and counseling patients, fostering patient engagement and adherence to treatment plans.

**PO10: Analytical Skills**

Graduates will possess analytical skills to assess patient progress, interpret outcome measures, and make data-driven adjustments to treatment plans.



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**PO11: Critical Thinking Proficiency**

Graduates will demonstrate proficiency in critical thinking, systematically evaluating and challenging established practices to improve the quality of patient care.

**PO12: Research Competence**

Graduates will achieve research competence, conducting and contributing to research in the field of physiotherapy, thereby advancing the knowledge base and evidence for effective practice.



**CO-PO Mapping Bachelor of Physiotherapy**

**(BPT)1<sup>ST</sup> YEAR**

**Subject Name: Human Anatomy**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
5	190	3	114	8	304	70	30	70	30	<b>200</b>

**Course Code:** 63011101

**Course Title:** Human Anatomy

**Course Outcomes (CO):**

1. Demonstrate a comprehensive understanding of the anatomical structures of the human body.
2. Apply anatomical knowledge to understand the underlying mechanisms of various diseases and injuries.
3. Analyze and interpret anatomical images (e.g., X-rays, CT scans, MRIs).
4. Demonstrate proficiency in anatomical terminology and nomenclature.
5. Identify and describe the major anatomical regions and structures of the human body.
6. Correlate anatomical structures with physiological functions.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medium	Low	High	Medium	Low	Low	Low	Medium	High	High	Low
CO2	High	Medium	Low	High	Medium	Low	Low	Low	Medium	High	High	Low
CO3	Low	Low	Medium	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	High	Medium	High	High	Low	Low	Low	Low	Medium	High	High	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



**Subject Name: Human Physiology & Biochemistry**

**Physiology:**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
3.5	133	3	114	6.5	247	20	30	50	70	<b>170</b>

**Biochemistry:**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
1.5	57	-	-	1.5	57	10	0	20	0	<b>30</b>

**Course Code:** 63011102

**Course Title:** Human Physiology & Biochemistry

**Course Outcomes (CO):**

1. Explain the physiological functions of various body systems.
2. Correlate physiological processes with biochemical pathways and their relevance to human health.
3. Analyze and interpret physiological and biochemical data.
4. Demonstrate an understanding of the mechanisms of homeostasis and disease.
5. Apply physiological and biochemical principles to understand the effects of physical activity and exercise on the human body.
6. Evaluate the impact of environmental factors on physiological and biochemical functions.

**Biochemistry**

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	High	Medi Um	High	High	Low	Low	Low	Low	Medi Um	High	High	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

### Physiology

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	high	medi um	low	high	medi um	low	low	low	medi um	high	high	low
CO2	high	medi um	low	high	medi um	low	low	low	medi um	high	high	low
CO3	low	low	medi um	low	low	low	low	low	low	low	low	low
CO4	high	medi um	high	high	low	low	low	low	medi um	high	high	low
CO5	low	low	low	low	low	low	low	low	low	low	low	low
CO6	low	low	low	low	low	low	low	low	low	low	low	low

(NOTE: H: HIGH, L: LOW, M: MEDIUM)

*Shree*



**Subject Name: Psychology**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
1.5	57	-	-	1.5	57	15	-	35	-	<b>50</b>

**Course Code:** 63011103

**Course Title:** Psychology

**Course Outcomes (CO):**

1. Understand the principles and theories of psychology.
2. Apply psychological concepts to understand human behavior and mental processes.
3. Evaluate psychological research and methods.
4. Develop an understanding of the psychological factors influencing health and well-being.
5. Demonstrate an awareness of ethical issues in psychology.
6. Apply psychological knowledge to interpersonal relationships and communication.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	High	Medi Um	High	High	Low	Low	Low	Low	Medi Um	High	High	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Approved*



**Subject Name: Sociology**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
1.5	57	-	-	1.5	57	15	-	35	-	<b>50</b>

**Course Code:** 63011103

**Course Title:** Sociology

**Course Outcomes (CO):**

1. Understand the basic concepts and theories of sociology.
2. Analyze social structures, institutions, and processes.
3. Evaluate the impact of social factors on individual behavior and society.
4. Understand the principles of social research and methods.
5. Develop an awareness of social issues and problems.
6. Apply sociological knowledge to understand and address social challenges.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	High	Medi Um	High	High	Low	Low	Low	Low	Medi Um	High	High	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



**Subject Name: Fundamentals of Biomedical Physics**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
3	114	2	76	5	190	30	30	70	70	<b>200</b>

**Course Code:** 63011104

**Course Title:** Fundamentals of Biomedical Physics

**Course Outcomes (CO):**

1. Understand the basic principles of physics as applied to biological systems.
2. Analyze the biomechanical properties of tissues and organs.
3. Apply biophysical concepts to understand physiological processes.
4. Evaluate the use of medical imaging techniques.
5. Understand the principles of radiation therapy and its applications.
6. Apply biophysical knowledge to the design and evaluation of medical devices.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	High	Medi Um	High	High	Low	Low	Low	Low	Medi Um	High	High	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



**Subject Name: Exercise Therapy I and Soft Tissue Manipulation**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
3	114	3	114	6	228	30	30	70	70	<b>200</b>

**Course Code:** 63011105

**Course Title:** Exercise Therapy I and Soft Tissue Manipulation

**Course Outcomes (CO):**

1. Apply exercise therapy techniques to improve physical function and rehabilitation.
2. Perform various soft tissue manipulation techniques.
3. Assess and evaluate the effectiveness of exercise therapy and soft tissue manipulation.
4. Develop and implement individualized exercise therapy programs.
5. Understand the biomechanics of movement and exercise.
6. Apply exercise therapy and soft tissue manipulation in the management of musculoskeletal disorders.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*





**Subject Name: Orientation Program In Startup And Entrepreneurship**

**Course Code:** 12300020

**Course Title:** Introduction to Innovation & Entrepreneurship

**Course Outcomes (CO):**

1. Understand the concepts of innovation and entrepreneurship.
2. Identify and evaluate opportunities for innovation and entrepreneurship in the healthcare sector.
3. Develop entrepreneurial skills, such as problem-solving, creativity, and decision-making.
4. Create a business plan for a healthcare-related venture.
5. Understand the legal and ethical considerations of entrepreneurship.
6. Develop a network of contacts in the healthcare and business community.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	High	High	Low	Low	Low	Low	Low	Low	High	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



**CO-PO Mapping for Bachelor of**  
**Physiotherapy**<sup>2<sup>nd</sup></sup> **YEAR**  
**BPT**

**Subject: Pathology**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
2	76	-	-	2	76	15	-	35	-	<b>50</b>

**Course Code:** 63011201

**Course Title:** Pathology

**Course Outcomes (CO):**

1. Understand the principles and techniques of pathology.
2. Identify and diagnose diseases through microscopic examination.
3. Correlate pathologic findings with clinical manifestations.
4. Understand the pathogenesis of various diseases.
5. Apply pathologic knowledge to patient care and treatment planning.
6. Demonstrate proficiency in autopsy techniques.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	High	Medi Um	High	High	Low	Low	Low	Low	Medi Um	High	High	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Sheela*



**Subject: Microbiology**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
2	76	-	-	2	76	15	-	35	-	<b>50</b>

**Course Code:** 63011201

**Course Title:** Microbiology

**Course Outcomes (CO):**

1. Understand the principles of microbiology.
2. Identify and classify microorganisms.
3. Study the structure, function, and metabolism of microorganisms.
4. Understand the role of microorganisms in human health and disease.
5. Apply microbiological techniques in laboratory settings.
6. Demonstrate an understanding of antimicrobial agents and their mechanisms of action.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	High	Medi Um	High	High	Low	Low	Low	Low	Medi Um	High	High	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



**Subject: Pharmacology**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
2	76	-	-	2	76	30	-	70	-	<b>100</b>

**Course Code:** 63011202

**Course Title:** Pharmacology

**Course Outcomes (CO):**

1. Understand the principles of pharmacology.
2. Classify drugs based on their therapeutic actions and mechanisms of action.
3. Evaluate the safety and efficacy of drugs.
4. Apply pharmacological knowledge to patient care and treatment planning.
5. Understand the pharmacokinetics and pharmacodynamics of drugs.
6. Demonstrate an understanding of drug interactions and adverse effects.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	High	Medi Um	High	High	Low	Low	Low	Low	Medi Um	High	High	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Sheela*



**Subject: Exercise Therapy II**

**Course Code:** 63011203

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
4	152	3	114	7	266	30	30	70	70	<b>200</b>

**Course Title:** Exercise Therapy II

**Course Outcomes (CO):**

1. Apply advanced exercise therapy techniques to improve physical function and rehabilitation.
2. Develop and implement specialized exercise programs for various conditions.
3. Assess and evaluate the progress of patients undergoing exercise therapy.
4. Understand the biomechanics of movement in various populations.
5. Apply exercise therapy principles in the management of chronic diseases.
6. Collaborate with other healthcare professionals to provide comprehensive care.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



**Subject: Biomechanics & Kinesiology**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
3	114	-	-	3	114	30	-	70	-	<b>100</b>

**Course Code:** 63011204

**Course Title:** Biomechanics & Kinesiology

**Course Outcomes (CO):**

1. Understand the principles of biomechanics and kinesiology.
2. Analyze human movement using biomechanical techniques.
3. Evaluate the biomechanical factors contributing to injury and dysfunction.
4. Apply biomechanical principles to the design of exercise programs and rehabilitation interventions.
5. Understand the role of biomechanics in sports performance.
6. Conduct biomechanical research and analysis.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	High	Medi Um	High	High	Low	Low	Low	Low	Medi Um	High	High	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



**Subject: Psychiatry**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
2	76	-	-	2	76	30	-	70	-	<b>100</b>

**Course Code:** 63011205

**Course Title:** Psychiatry

**Course Outcomes (CO):**

1. Understand the principles and theories of psychiatry.
2. Diagnose and treat mental health disorders.
3. Apply psychiatric knowledge to the management of patients with mental health conditions.
4. Understand the role of psychosocial factors in mental health.
5. Evaluate the effectiveness of psychiatric interventions.
6. Demonstrate an awareness of ethical issues in psychiatry.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



**Subject: Electrotherapy**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
						Th	Pr	Th	Pr	
Credit	Hours	Credit	Hours	Credit	Hours					
4	152	3	114	7	266	30	30	70	70	<b>200</b>

**Course Code:** 63011206

**Course Title:** Electrotherapy

**Course Outcomes (CO):**

1. Understand the principles of electrotherapy.
2. Apply various electrotherapy modalities to treat different conditions.
3. Assess and evaluate the effectiveness of electrotherapy.
4. Understand the biophysical effects of electrical currents on tissues.
5. Select appropriate electrotherapy parameters for different conditions.
6. Demonstrate proficiency in the use of electrotherapy equipment.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**






**Subject: Community Medicine**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
						Th	Pr	Th	Pr	
Credit	Hours	Credit	Hours	Credit	Hours					
2	76	-	-	2	76	30	-	70	-	<b>100</b>

**Course Code:** 63011207

**Course Title:** Community Medicine

**Course Outcomes (CO):**

1. Understand the principles of community medicine.
2. Assess the health needs of a community.
3. Develop and implement community health programs.
4. Evaluate the effectiveness of community health interventions.
5. Understand the role of public health in disease prevention and control.
6. Collaborate with community partners to address health issues.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	High	High	Low	Low	Low	Low	Low	Low	High	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



**Subject: Clinical Education I**

**Course Code:** 63011209

**Course Title:** Clinical Education I

**Course Outcomes (CO):**

1. Apply theoretical knowledge to clinical practice.
2. Develop clinical skills and competencies.
3. Interact effectively with patients and their families.
4. Work collaboratively with other healthcare professionals.
5. Demonstrate professionalism and ethical behavior in clinical settings.
6. Evaluate the effectiveness of clinical interventions.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low

**Subject: Intermediate & Advanced Program in Entrepreneurship**

**Course Code:** 12300021

**Course Title:** Intermediate & Advanced Program in Entrepreneurship

**Course Outcomes (CO):**

1. Develop advanced entrepreneurial skills and competencies.
2. Create and implement a comprehensive business plan.
3. Raise capital and secure funding for entrepreneurial ventures.
4. Manage and grow a business enterprise.
5. Understand the legal and financial aspects of entrepreneurship.
6. Network with other entrepreneurs and industry professionals.

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**




CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	High	Medi Um	High	High	Low	Low	Low	Low	Medi Um	High	High	Low
CO5	High	High	Low	Low	Low	Low	Low	Low	High	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

(NOTE: H: HIGH, L: LOW, M: MEDIUM)

*Shree*



**CO-PO Mapping for Bachelor of**

**Physiotherapy3<sup>RD</sup> YEAR**

**BPT**

**Subject: Medicine-1 (General Medicine, Cardio-Respiratory Medicine, and Dermatology)**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
						Th	Pr	Th	Pr	
Credit	Hours	Credit	Hours	Credit	Hours					
5	76	-	-	2	76	30	-	70	-	<b>100</b>

**Course Code:** 63011301

**Course Title:** Medicine-1 (General Medicine, Cardio-Respiratory Medicine, and Dermatology)

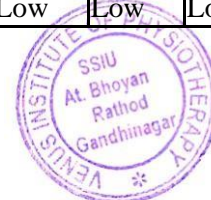
**Course Outcomes (CO):**

1. Demonstrate a comprehensive understanding of general medicine, cardiology, respiratory medicine, and dermatology.
2. Diagnose and manage various medical conditions in these specialties.
3. Apply clinical reasoning and problem-solving skills to patient care.
4. Prescribe appropriate medications and treatments.
5. Communicate effectively with patients and their families.
6. Collaborate with other healthcare professionals to provide comprehensive care.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medium	Low	High	Medium	Low	Low	Low	Medium	High	High	Low
CO2	High	Medium	Low	High	Medium	Low	Low	Low	Medium	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Sheela*



**Subject: Medicine-2 (Neurology and Pediatrics) & Surgery (General Surgery, Plastic Surgery, Neuro-Surgery & Cardio Thoracic Surgery) & Obstetrics and Gynecology**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
4	100+52	-	-	4	100+52	30	-	70	-	<b>100</b>

**Course Code:** 63011302

**Course Title:** Medicine-2 (Neurology and Pediatrics) & Surgery (General Surgery, Plastic Surgery, Neuro-Surgery & Cardio Thoracic Surgery) & Obstetrics and Gynecology

**Course Outcomes (CO):**

1. Demonstrate a comprehensive understanding of neurology, pediatrics, general surgery, plastic surgery, neurosurgery, cardiothoracic surgery, obstetrics, and gynecology.
2. Diagnose and manage various medical and surgical conditions in these specialties.
3. Perform surgical procedures as required.
4. Provide prenatal and postnatal care.
5. Manage pediatric patients and their families.
6. Collaborate with other healthcare professionals to provide comprehensive care.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**




**Subject: Surgery (General Surgery, Plastic Surgery, Neuro-Surgery & Cardio Thoracic Surgery) & Obstetrics and Gynecology**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
5	50+30+ 20+40+ 50=190	-	-	5	50+30+ 20+40+ 50=190	30	-	70	-	<b>100</b>

**Course Code:** 63011303

**Course Title:** Surgery (General Surgery, Plastic Surgery, Neuro-Surgery & Cardio Thoracic Surgery) & Obstetrics and Gynecology

**Course Outcomes (CO):**

1. Understand the principles and theories of psychiatry.
2. Diagnose and treat mental health disorders.
3. Apply psychiatric knowledge to the management of patients with mental health conditions.
4. Understand the role of psychosocial factors in mental health.
5. Evaluate the effectiveness of psychiatric interventions.
6. Demonstrate an awareness of ethical issues in psychiatry.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



**Subject: Orthopedic (Traumatic and Non-Traumatic)**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
						Th	Pr	Th	Pr	
Credit	Hours	Credit	Hours	Credit	Hours					
4	76+76= 152	-	-			30	-	70	-	<b>100</b>

**Course Code:** 63011304

**Course Title:** Orthopedic (Traumatic and Non-Traumatic)

**Course Outcomes (CO):**

1. Demonstrate a comprehensive understanding of orthopedic conditions.
2. Diagnose and manage traumatic and non-traumatic orthopedic injuries.
3. Perform orthopedic surgeries as required.
4. Rehabilitate patients with orthopedic conditions.
5. Apply biomechanical principles to orthopedic care.
6. Collaborate with other healthcare professionals to provide comprehensive care.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**




**Subject: Physical and Functional Diagnosis**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
						Th	Pr	Th	Pr	
Credit	Hours	Credit	Hours	Credit	Hours					
3	114	3	114	6	228	30	30	70	70	<b>200</b>

**Course Code:** 63011305

**Course Title:** Physical and Functional Diagnosis

**Course Outcomes (CO):**

1. Perform physical examinations and functional assessments.
2. Interpret diagnostic tests and procedures.
3. Develop a differential diagnosis for various conditions.
4. Order and interpret laboratory and imaging studies.
5. Communicate effectively with patients and other healthcare professionals.
6. Collaborate with other specialists to provide comprehensive care.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Sheela*





**Subject: Expert Program in Entrepreneurship and IPR**

**Course Code:** 12300022

**Course Title:** Expert Program in Entrepreneurship and IPR

**Course Outcomes (CO):**

1. Develop advanced entrepreneurial skills and competencies.
2. Create and implement a comprehensive business plan.
3. Raise capital and secure funding for entrepreneurial ventures.
4. Manage and grow a business enterprise.
5. Understand the legal and financial aspects of entrepreneurship and intellectual property rights (IPR).
6. Network with other entrepreneurs and industry professionals.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	High	High	Low	Low	Low	Low	Low	Low	High	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**Subject: Clinical Education II**

**Course Code:** 63011306

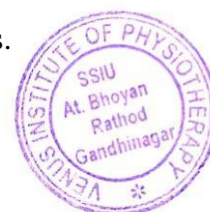
**Course Title:** Clinical Education II

**Course Outcomes (CO):**

1. Apply theoretical knowledge to clinical practice.
2. Develop advanced clinical skills and competencies.
3. Interact effectively with patients and their families.
4. Work collaboratively with other healthcare professionals in complex clinical settings.
5. Demonstrate professionalism and ethical behavior in clinical settings.

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Shree*



6. evaluate the effectiveness of clinical interventions.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

(NOTE: H: HIGH, L: LOW, M: MEDIUM)

*Shree*



**CO-PO Mapping for Bachelor of Physiotherapy**

**4<sup>TH</sup> YEAR BPT**

**Subject: Physiotherapy in Neurological Conditions**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
2	76	2	76	4	152	20	20	80	80	<b>200</b>

**Course Code:** 63011401

**Course Title:** Physiotherapy in Neurological Conditions

**Course Outcomes (CO):**

1. Apply physiotherapy techniques to manage neurological conditions.
2. Assess and evaluate patients with neurological disorders.
3. Develop individualized rehabilitation programs for neurological patients.
4. Understand the principles of neurorehabilitation.
5. Collaborate with other healthcare professionals in the management of neurological conditions.
6. Demonstrate proficiency in neurodiagnostic tests.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medium	Low	High	Medium	Low	Low	Low	Medium	High	High	Low
CO2	High	Medium	Low	High	Medium	Low	Low	Low	Medium	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**




**Subject: Physiotherapy in Musculoskeletal Conditions**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
2	76	2	76	4	152	20	20	80	80	<b>200</b>

**Course Code:** 63011402

**Course Title:** Physiotherapy in Musculoskeletal Conditions

**Course Outcomes (CO):**

1. Apply physiotherapy techniques to manage musculoskeletal disorders.
2. Assess and evaluate patients with musculoskeletal conditions.
3. Develop individualized rehabilitation programs for musculoskeletal patients.
4. Understand the biomechanics of musculoskeletal function.
5. Collaborate with orthopedic surgeons and other healthcare professionals.
6. Demonstrate proficiency in musculoskeletal assessment techniques.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medium	Low	High	Medium	Low	Low	Low	Medium	High	High	Low
CO2	High	Medium	Low	High	Medium	Low	Low	Low	Medium	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**

*Sheela*



**Subject: Physiotherapy in Cardio-Respiratory Conditions**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
2	76	2	76	4	152	20	20	80	80	<b>200</b>

**Course Code:** 63011403

**Course Title:** Physiotherapy in Cardio-Respiratory Conditions

**Course Outcomes (CO):**

1. Apply physiotherapy techniques to manage cardio-respiratory conditions.
2. Assess and evaluate patients with cardio-respiratory disorders.
3. Develop individualized rehabilitation programs for cardio-respiratory patients.
4. Understand the physiology of the cardiovascular and respiratory systems.
5. Collaborate with cardiologists and pulmonologists.
6. Demonstrate proficiency in cardio-respiratory assessment techniques.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**




**Subject: Physiotherapy in Medical and Surgical Conditions**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
						Th	Pr	Th	Pr	
Credit	Hours	Credit	Hours	Credit	Hours					
2	76	2	76	4	152	20	20	80	80	<b>200</b>

**Course Code:** 63011404

**Course Title:** Physiotherapy in Medical and Surgical Conditions

**Course Outcomes (CO):**

1. Apply physiotherapy techniques to manage a variety of medical and surgical conditions.
2. Assess and evaluate patients with medical and surgical conditions.
3. Develop individualized rehabilitation programs for patients post-surgery or illness.
4. Understand the principles of wound care and tissue healing.
5. Collaborate with physicians and surgeons in the management of medical and surgical conditions.
6. Demonstrate proficiency in post-operative rehabilitation techniques.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**




**Subject: Physiotherapy in Rehabilitation and Allied Therapeutics**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
						Th	Pr	Th	Pr	
Credit	Hours	Credit	Hours	Credit	Hours					
2	76	2	76	4	152	20	20	80	80	<b>200</b>

**Course Code:** 63011405

**Course Title:** Physiotherapy in Rehabilitation and Allied Therapeutics

**Course Outcomes (CO):**

1. Apply physiotherapy techniques in conjunction with other allied health therapies.
2. Coordinate rehabilitation programs involving multiple healthcare professionals.
3. Understand the principles of rehabilitation and its role in patient recovery.
4. Collaborate with occupational therapists, speech therapists, and other allied health professionals.
5. Demonstrate proficiency in rehabilitation techniques and equipment.
6. Evaluate the effectiveness of rehabilitation interventions.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**




**Subject: Biostatistics and Research Methodology**

Teaching Scheme						Evaluation Scheme				
Theory		Practical		Total		Internal		External		Total
Credit	Hours	Credit	Hours	Credit	Hours	Th	Pr	Th	Pr	
3	114	-	-	3	114	20	-	80	-	<b>100</b>

**Course Code:** 63011406

**Course Title:** Biostatistics and Research Methodology

**Course Outcomes (CO):**

1. Understand the principles of biostatistics and research methodology.
2. Collect, analyze, and interpret data using statistical methods.
3. Design and conduct research studies.
4. Evaluate the validity and reliability of research findings.
5. Apply research methods to clinical practice.
6. Demonstrate proficiency in statistical software.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	High	Medi Um	High	Low	Low	High	Low	Low	Medi Um	High	High	High

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**






**Subject: Start-Up Project**

**Course Code:** 12300023

**Course Title:** Start-Up Project

**Course Outcomes (CO):**

1. Develop entrepreneurial skills and competencies.
2. Create a business plan for a physiotherapy-related venture.
3. Raise capital and secure funding for the venture.
4. Manage and grow the business.
5. Understand the legal and financial aspects of entrepreneurship.
6. Network with other entrepreneurs and industry professionals.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	Low	Low	Medi Um	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	High	High	Low	Low	Low	Low	Low	Low	High	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

**Subject: Clinical Education III**

**Course Code:** 63011407

**Course Title:** Clinical Education III

**Course Outcomes (CO):**

1. Apply theoretical knowledge to advanced clinical practice.
2. Develop advanced clinical skills and competencies.
3. Interact effectively with patients and their families in complex clinical settings.
4. Work independently as a physiotherapy professional.
5. Evaluate the effectiveness of clinical interventions in advanced practice.
6. Demonstrate leadership and mentorship skills.

**(NOTE: H: HIGH, L: LOW, M: MEDIUM)**




CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO2	High	Medi Um	Low	High	Medi Um	Low	Low	Low	Medi Um	High	High	Low
CO3	High	High	Low	Low	Low	Low	High	Low	High	Low	Low	Low
CO4	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO5	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low
CO6	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low	Low

(NOTE: H: HIGH, L: LOW, M: MEDIUM)

*Shree*

