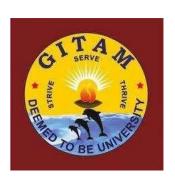
# GANDHI INSTITUTE OF TECHNOLOGY AND MANAGEMENT (GITAM)

(Deemed to be University, Estd. u/s 3 of UGC Act 1956) VISAKHAPATNAM \*HYDERABAD \*BENGALURU Accredited by NAAC with 'A+' Grade



## REGULATIONS AND SYLLABUS of Bachelor of Physiotherapy (w.e.f. 2021 Admitted batch)

(Approved in 22<sup>nd</sup> Academic Council)

Website: vspgspt.gitam.edu

#### VISION:

To be the global destination of choice for Physiotherapy education for students, faculty, and researchers.

#### MISSION:

To enable a culture of research, innovation, and collaborations for the advancement of skills and knowledge in the field of Physiotherapy by imparting quality education and an environment of lifelong learning.

To serve society by achieving the goal of optimal physical performance and mobility for all by producing competent, skilled and evidence-informed Physiotherapists practicing with a high sense of ethics and integrity.

#### ABOUT GITAM UNIVERSITY:

Gandhi Institute of Technology and Management, popularly known as GITAM, was founded in 1980 by an inspired group of eminent intellectuals and industrialists of Andhra Pradesh led by Dr. M. V. V. S. Murthi, former Member of Parliament and popular philanthropist.

The vision of MAHATMA, the Father of the Nation was to see India as a socially and economically resurgent country and he looked upon education as an important means to achieve this goal. Gandhiji envisaged universities as institutions of higher learning that transcend all linguistic, racial, and other barriers. GITAM is committed to imbibe his values and abide by his philosophy:

To achieve global standards and excellence in teaching, research, and consultancy by creating an environment in which the faculty and students share a passion for creating, sharing, and applying knowledge to continuously improve the quality of education.

#### GITAM SCHOOL OF PHYSIOTHERAPY (GSPT):

With the right to practice independently, in different countries and many states in India, Physiotherapy requires a high level of clinical competency, critical thinking and ability to be abreast with current and latest advances in the field. This puts a pressing need for higher quality education and commitment of capable institutes to guide and groom the aspiring physiotherapists to meet the need.

The Bachelors of Physiotherapy (B.P.T.) Program is under the faculty of GITAM School of Physiotherapy. The framework and syllabus of the B.P.T. has been adopted from the Model Curriculum Handbook of Physiotherapy by Allied and Healthcare Professionals with minor changes. The base model curriculum was developed by experts from across the country who constituted the National Curricula Redesign Taskforce. This competency based, self-directed and integrated curriculum was developed based on the skill and competency framework formulated by consulting different hospitals and healthcare settings and reviewing different curricula across the country. The learning methodologies, learning goals and objectives, and performance outcomes including the assessment methodologies have been formulated after a

thorough revision and feedback from many consultants. The final model curriculum has been reviewed and approved by the National Curricula Review Committee (NCRC), constituted by the Ministry of Health and Family Welfare, and was developed for adoption and incorporation by different institutes as a minimum standard syllabus. The additions are reviewed and approved by the Board of Studies of GITAM School of Physiotherapy and Academic Council

#### 1. ADMISSION

Admission to the B.P.T program of GITAM (Deemed to be University) is governed by GITAM admission regulations.

- 1.1 Prerequisites
  - 1.1.1 Physical and emotional Fitness to be self-declared as part of

application.

1.1.2 Motivation and communication skills to be demonstrated by

essay as part of application.

- 1.2 Eligibility Criteria
  - 1.2.1 Candidate should have attained 17 years as of that current year.
  - 1.2.2 Candidate should have passed Intermediate Education/ +2 with subjects in Biology, Physics and Chemistry with a minimum aggregate of 60%.
  - 1.2.3 Should be qualified in NEET or GAT-PT or SAT (or any other comparable national test abroad).
- 1.3 Admission Criteria
- 1.3.1 Ranking for counseling will be based on percentile in Intermediate/

10+2, and qualifying exam.

1.3.2 Admission will be based on interview of candidates called for

counseling thru notification of above ranking.

- 2 CHOICE BASED CREDIT SYSTEM
- 2.1 Choice Based Credit System (CBCS) based on UGC guidelines to promote:
  - Student Centered Learning.
  - Cafeteria approach.
  - Interdisciplinary learning.
- 2.2 Learning goals/ objectives and outcomes are specified leading to what a student should be able to do by the end of the program.
  - 3 STRUCTURE OF THE PROGRAM:
- 3.1 The Program Consists of
  - Foundation Courses (compulsory) which give general exposure to a student in communication and subject related areas.
  - Core Courses (compulsory).

- Discipline centric electives which a) are supportive to the discipline b) give expanded scope of the subject c) give interdisciplinary exposure d) Nurture the student skills.
- Open electives are of general nature either related or unrelated to the discipline.
- Practical Proficiency Courses Laboratory and Project work.
- 3.2 Each course is assigned a certain number of credits depending upon the number of contact hours (Lectures/Practical/Clinical

Education) per week for

a minimum of 15 weeks per semester.

- 3.3 In general, credits are assigned to the courses based on the following contact hours per week per semester.
  - One credit for each Lecture / Tutorial hour per week.
  - One credit for two hours of Practical per week.
  - One credit for three hours of Clinical or Project-based Learning per week
- 3.4 The curriculum, with 8 semesters of the Bachelor of Physiotherapy program is designed to have a total of 191 credits (translated to 4320 contact hours) of theory, practical and clinical and an additional 24 credits (translated to 1080 hours) towards internship to be completed in a duration of 6 months.

#### 4. MEDIUM OF INSTRUCTION:

The medium of instruction (including examinations and project reports) shall be English.

#### 5. REGISTRATION:

Every student must register himself/herself for courses each semester individually at the time specified by the Institute / University in the academic calendar.

#### 6. ATTENDANCE REQUIREMENTS:

6.1 A student whose attendance is less than 75% in all the courses put together in any semester will not be permitted to attend that end - semester examination and

he/she will not be allowed to register for subsequent semester of study. He/she must repeat the semester along with his / her juniors.

- 75% attendance in theoretical.
- 85% in Skills training (practical) for qualifying to appear for the final examination
- Attendance requirements must be followed strictly by all students.
- 6.2 However, the Vice-Chancellor on the recommendation of the Principal / Director

of the Institute/School may condone the shortage of attendance to the students whose attendance is between 65% and 74% on genuine grounds.

#### 7. EVALUATION

7.1 The assessment of the student's performance in a course shall be based on two components: Continuous Evaluation (50 % weightage) and Semester-end

- 7.2 The student is required to secure a minimum of 40% marks in continuous evaluation.
- 7.3 A student has to secure an aggregate of 45% in the two components of the course
- put together to be declared to have passed the course, subject to the condition that the student must have secured a minimum of 45% in the Semester-end

Examination component of the respective course. The student must secure 45% in foundation courses with only continuous evaluation components and no semester-end examinations.

7.4 University core courses are assessed through continuous evaluation for satisfactory or not satisfactory only and credits will be assigned. However, specific grades (quantitative), if assigned by the faculty will be considered for CGPA calculation.

**Table 1: Assessment Procedure** 

S.No.	Component if Assessment	Marks Allotted	Type of Assessment	<b>Evaluation Components</b>
	Theory*	50 %	Continuous Evaluation And Semester End Evaluations	Continuous evaluation: (As applicable for individual course)  • Participation  • Quiz  • Assignments/Project/ Seminar  • Sessional Examinations (Refer to scheme of marks for weightage in Appendix A)  End Semester Evaluation  • Theory Examination  (Paper evaluation will be performed by one Internal examiner and one external Examiner)

2	Practical*	50 %	Continuous Evaluation	Continuous evaluation:  • Participation
		50%	And Semester End Evaluations	Lab work/ Log book     Sessional Examination     (Skill demonstration/     Presentation and Viva voce)  (Refer to scheme of marks for weightage in Appendix A)  End Semester Evaluation     Skill demonstration/     Presentation     Viva voce  (Evaluation in practical examinations will be performed by one Internal examiner and one external Examiner)

3	Project	100%	Continuous Evaluation	Continuous evaluation: (As applicable for individual course)  • Participation  • Report submission  • Viva-voce  • Presentation  (Refer to the scheme of marks for weightage in Appendix A)
4	Clinical*	50% or 100%	Continuous Evaluation And Semester End Evaluations	Continuous evaluation:  Participation Logbook Case Presentation/ Clinical Performance Evaluation Sessional Examination (Case Presentation, Vivavoce, and Spotters)  (Refer to the scheme of marks for weightage in Appendix A)  End Semester Evaluation: Case Presentation Vivavoce Spotters  (Evaluation of clinical course will be performed by one Internal and one external Examiner)
5	University Core	100%	Continuous Evaluation	As per University Norms
6	Internship/ Comprehens- ive	NA	Continuous Formative Evaluation	Participation, Clinical Performance Evaluations & Comprehensive Viva-voce and should attain satisfactory grade.

 $<sup>\</sup>ast$  Percentage of weightage for continuous evaluation will be 100 % for foundation courses (Theory, Practical and Clinical).

For Semester-end examination evaluations, a 3rd evaluator will be considered if there is a difference of 20% marks between the two evaluators.

#### 8. PROMOTION CRITERIA:

- 8.1 The student will be promoted from the fourth semester to the fifth semester if he or she attains all credits of the first year (first and second semester) and a cumulative minimum of 70% of the credits at the end of the second year.
- 8.2 The student will be promoted from the sixth semester to the seventh semester if he or she attains all credits of the second year (third and fourth semester).
- 8.3 The Student will be eligible for internship only after successful completion (100 percent credits) of the entire course work through eight semesters.
  - 8.4 Supplementary Examinations: The student who fails to meet the criteria for passing a course will be allowed to appear for the supplementary examinations of that course.

#### 9. ACADEMIC PROBATION AND READMISSION AFTER A BREAK:

The student will be put on academic probation for the next academic year if a student fails to earn the required credits as per the promotion criteria to the next higher semesters. The student can rejoin the program upon meeting the required criteria at the end of the academic probation period. If a student is on academic probation for more than TWO continuous years, shall apply for readmission to the Registrar of this University. The candidates shall be granted exemption in the subjects they have already passed. All readmissions of candidates are subjected to the approval of the Vice-Chancellor.

#### 10. THE MAXIMUM DURATION OF THE PROGRAM -

Candidates should complete the Bachelor of Physiotherapy degree course within a period of eight years from the date of joining the course.

#### 11. GRADING SYSTEM

11.1 Based on the student performance during a given semester, a final letter grade

will be awarded at the end of the semester in each course. The letter grades and the corresponding grade points are as given below:

**Table 2: Grades and Grade Points** 

Sl. No	Grade	Grade Points	Absolute Marks
1	O (outstanding)	10	90 and above
2	A+ (Excellent)	9	80 to 89
3	A (Very Good)	8	70 to 79
4	B+ (Good)	7	60 to 69
5	B (Above Average)	6	55 to 59
6	C (Average)	5.5	50 to 54
7	P (Pass)	5	45 to 49
8	F (Fail)	0	Less than 45
9	Ab (Absent)	0	-
10	S	NA	Satisfactory for Non-graded courses
11	U	NA	Unsatisfactory for
			Non-graded courses
12	I	NA	Incomplete (Only for Project)
13	R	0	Insufficient attendance in the course

A student who earns a minimum of 5 grade points (P grade) in a course is declared to have successfully completed the course, and is deemed to have earned the credits assigned to that course, subject to securing a GPA of 5.5 for a Pass in the semester.

#### 12. GRADE POINT AVERAGE

12.1 A Grade Point Average (GPA) for the semester will be calculated according to the formula:

$$GPA = \frac{\sum [C \times G]}{\sum C}$$

where, C = number of credits for the course,

G = grade points obtained by the student in the course.

- 12.2 The Cumulative Grade Point Average (CGPA), is calculated using the above formula considering the grades obtained in all the courses, in all the semesters up to that particular semester.
- 12.3 CGPA required for classification of class after the successful completion of the program is shown below:

Table 3: CGPA required for award of Class

Class	CGPA Required
First Class with Distinction	≥ 8.0*
First Class	≥ 7.0
Second Class	≥ 6.0
Pass Class	≥ 5.5

<sup>\*</sup> In addition to the required CGPA of 8.0 or more the student must have necessarily passed all the courses of every semester in the first attempt.

#### 13. ELIGIBILITY FOR AWARD OF THE B.P.T DEGREE

- 13.1 A student shall be eligible for award of the B. P.T Degree if he / she fulfills all the following conditions.
  - a. Registered and successfully completed all the courses, projects and mandatory six months of internship.
  - b. Successfully acquired the required credits as specified in the curriculum corresponding to his/her study within the stipulated time.
  - c. Has no dues to the Institute, hostels, Libraries, NCC / NSS etc, and
  - d. No disciplinary action is pending against him / her.

The degree shall be awarded after approval by the Academic Council.

#### 14. DISCRETIONARY POWER

Notwithstanding anything contained in the above sections, the Vice-Chancellor may review all exceptional cases, and give his decision, which will be final and binding.

### **BACHELOR OF PHYSIOTHERAPY (B.P.T)**

#### PROGRAM EDUCATIONAL OBJECTIVES

On completion of the Bachelor of Physiotherapy Program at GITAM School of Physiotherapy, graduates will:

- **PEO 01:** Demonstrate the required skills, knowledge, and attitude to practice evidence-informed physiotherapy services in any setting as an entry-level Physiotherapy professional providing high standards of patient care.
- **PEO 02:** Contribute to the advancement of the profession through research, innovation, and leadership skills through lifelong learning and engagement in professional societies and organizations.
- **PEO 03:** Demonstrate the ability to practice in any setting with a high sense of ethics, integrity, critical thinking, and problem-solving skills.
- **PEO 04:** Demonstrate an understanding of global citizenship education (GCED) and contribute to society's local and global needs through research and practice.

#### PROGRAM SPECIFIC OUTCOMES

- **PSO 01:** In addition to processing the standard skill set and knowledge required to practice as an entry level Physiotherapist, Students are further strengthened in developing creative and critical thinking abilities for problem solving and industry readiness, and developing research acumen.
- **PSO 02:** Students are fine-tuned to demonstrate effective communication skills across all platforms, use of advanced technology and work in health care teams utilising lifelong learning abilities to implement evidence-informed practice and advocate for the Profession.

# **Bachelor of Physiotherapy (B.P.T) PROGRAM OUTCOMES (PO)**

On completion of the Bachelor of Physiotherapy program, the graduate at entry-level will be able to:

- PO Physiotherapeutic Knowledge and Skills: Demonstrate scientific knowledge 01 and skills needed to work as a physiotherapy professional to deliver high standards of care, including assessment, diagnosis, and creating and executing an effective care plan.
- PO Teamwork and Effective Communication: Effectively communicate utilizing of available contemporary technological resources with all stakeholders, and

demonstrate teamwork skills to achieve the collective goals in an interdisciplinary healthcare team.

- PO Ethical Practice and Professionalism: Integrate ethical values and professionalism in delivering high standards of Physiotherapy treatment within the scope of practice defined by the regulating bodies and framework of the society.
- PO Clinical Reasoning and Problem Solving: Demonstrate the capacity to extrapolate the acquired knowledge, critical analysis, evidence, and reflective thought to provide solutions for common and non-familiar clinical situations.
- PO Multicultural Competencies: Display sensitivity to socio-cultural values, attitudes, and beliefs relevant to society and diverse groups to set appropriate goals and deliver physiotherapy services through appropriate technology.
- PO Research, Evidence-Informed Practice, and Lifelong Learning: Demonstrate the sense of critical thinking and analytical reasoning to deliver evidence-based physiotherapy and strive for continuous development of the profession and the consequent responsibilities relevant to the professional practice.
- PO Entrepreneurship and Leadership: Display entrepreneurship and leadership of skills to practice independently and in collaboration with the interdisciplinary health care team or industry.

### Program Outcomes (PO) and Program Educational Objectives (PEO) Mapping:

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
PEO 1	~	~		~	~	<b>&gt;</b>	
PEO 2	~	V		~		<b>V</b>	~

PEO 3	~	V	V	~		~
PEO 4	~		V	V	~	~

# CURRICULUM OUTLINE

# Semester I

				Credits		C	Contact Hou	rs	Н	ours
C Code	Sl.No	Course Title	Theory	Practical	Clinical P	Theory	Practical	Clinical P	Total	Weekly
	1	Human Anatomy - I	4	2	0	60	60	0	120	8
	2	Human Physiology - I	4	0	0	60	0	0	60	4
	3	Biochemistry	2	1	0	30	30	0	60	4
	4	Sociology	2	0	0	30	0	0	30	2
		Foundation courses with Internal Examination								
	5	Introduction to Physiotherapy and Health care delivery system in								_
	6	India Introduction to Research and Evidence, learning and	1	1	0	15	30	0	45	3
	7	teaching methods IT Productivity	1	0	0	15	0	0	15	1
	,	Tools(University Core)	0	2	0	0	60	0	60	4
	8	English/ Foreign Language (University Core)	0	2	0	0	60	0	60	4
	9	Community orientation and clinical visit	0	0	1	0	0	45	45	3
		Total	14	8	1	210	240	45	495	33
		Semester Total		23			495			33

## **Semester II**

C		Course Title		Credits		c	Contact Hou	rs	н	lours
Code		Course Title	Theory	Practical	Clinical P	Theory	Practical	Clinical P	Total	Weekly
	1	Human Anatomy - II	3	2	0	45	60	0	105	7
	<b>2</b> 3	Human Physiology - II General Psychology and Clinical	4	1	0	60	30	0	90	6
		Psychology	3	0	0	45	0	0	45	3
	4	Biophysics	1	1	0	15	30	0	45	3
	5 6	Foundations of Exercise Therapy Venture Discovery (University Core)	2	2	0	30	60	0	90	6
	7	Environmental sciences and sustainability (University Core)	2	0	0	30	0	0	30	2
	8	Clinical Observation	2	0	0	30	0	0	30	2
	0		0	0	1	0	0	45	45	3
		Total	17	6	1	255	180	45	480	32
		Semester Total		24			480			32

**Semester III** 

			Credits		(	Contact Hour	rs	Н	lours
C Code	Course Title	Theory	Practical	Clinical P	Theory	Practical	Clinical P	Total	Weekly
	1. Pathology and Microbiology	4	1	0	60	30	0	90	6
	2. Pharmacology	3	0	0	45	0	0	45	3
	3. Biomechanics and Kinesiology	4	0	0	60	0	0	60	4
	4. Practical in Biomechanics and								
	Kinesiology	0	1	0	0	30	0	30	2
	5. Theoretical concepts in Exercise								
	Therapy -I	3	0	0	45	0	0	45	3
	6. Practical in Exercise Therapy -I	0	3	0	0	90	0	90	6
	Foundation courses with internal Examination								
	7. Health Informatics and								
	Clinical Observation	1	0	2	15	0	90	105	7
	8. Open elective	2	0	0	30	0	0	30	2
	9. Gandhian values/ Ethics	2	0	0	30	0	0	30	2
	(University Core) Total	19	5	2	285	150	90	525	35
	Semester Total		26			525			35

Semester IV

<u>lester I</u>				Cre			Contact	t Hours	н	ours
C		Course Title	dits							
Code			Theory	Prac tical	Clinical P	The ory	Practi cal	Clinica I P	Total	Weekly
	2	Basics in Patient Handling Techniques and Theoretical concepts in Exercise Therapy -II Practical in Patient Handling Techniques and Exercise Therapy - II	3	0	0	45	0	0	45	3
		.,	0	2	0	0	60	0	60	4
	3	Theoretical concepts in Electrotherapy	3	0	0	45	0	0	45	3
	4	Practical in Electrotherapy	0	4	0	0	120	0	120	8
	5	Theoretical Concepts in Physical and Functional Diagnosis and outcome measures Practical in Physical and Functional Diagnosis	3	0	0	45 0	0 90	0	45 90	3 6
		Foundation courses with internal Examination								
	7 8	Ethics and Professionalism Introduction to Evidence Based Practice	1	0	0	15	0	0	15	1
	9	Project	2	0	0	30	0	0	30	2
	10	Clinical observation and Practice	0	1	0	0	30	0	30	2
	10	Total	0	0	2	0	0	90	90	6
		iotai	12	10	2	180	300	90	570	38
ı		Semester Total	24			5	70			38

Semester V

_			Credits		C	Contact Hou	rs	Н	lours
Code	Course Tiltle	Theory	Practical	Clinical P	Theory	Practical	Clinical P	Total	Weekly
1	Clinical Orthopaedics and Traumatology	4	0	0	60	0	0	60	4
2	Clinical Neurology and Neurosurgery	4	0	0	60	0	0	60	4
3	General Medicine and Psychiatry	4	0	0	60	0	0	60	4
4	General Surgery, Burns and Plastic Surgery	4	0	0	60	0	0	60	4
	Foundation courses with internal Examination								
	Clinical Investigations and Radio								
5	Diagnosis Evaluative Clinical Practice and Clinical	2	0	0	30	0	0	30	2
6	Reasoning	0	0	6	0	0	270	270	18
7	Open elective 1 (Open Elective) Total	1 19	0 0	0 6	15 285	0 0	0 270	15 555	1 37
	Semester Total		25			555			37

**Semester VI** 

C				Credits		C	ontact Hou	rs	н	lours
Code		Course Title	Theory	Practical	Clinical P	Theory	Practical	Clinical P	Total	Weekly
	1	Physiotherapy in Musculoskeletal Sciences -I Physiotherapy in Neurological Sciences	3	0	0	45	0	0	45	3
	2	and Pediatrics -I Cardiopulmonary Physiotherapy in	3	0	0	45	0	0	45	3
	3	Medical and Surgical conditions -I Physiotherapy Clinical Practice in	3	0	0	45	0	0	45	3
	4	Musculoskeletal Sciences -I Physiotherapy Clinical Practice in	0	0	2	0	0	90	90	6
	5	Neurosciences and Pediatrics -I Clinical Practice in Cardio vascular and	0	0	2	0	0	90	90	6
	6	Pulmonary Physiotherapy -I	0	0	2	0	0	90	90	6
		Foundation courses with internal Examination								
	7	Patient Safety and Qualty in Health care Introduction to Research Methods,	1	1	0	15	30	0	45	3
	8	Biostatistics and Research protocol Program elective -I: Pain Sciences/	4	0	0	60	0	0	60	4
	9	Balance Rehabilitation <b>Total</b>	1 15	1 2	0 6	15 225	30 60	0 270	45 555	3 37
		Semester Total		23			555			37

# Semester VII

				Credits		C	ontact Hou	rs	Н	ours
C Code		Course Title	Theory	Practical	Clinical P	Theory	Practical	Clinical P	Total	Weekly
	1	Physiotherapy in Musculoskeletal Sciences -II	3	0	0	45	0	0	45	3
	2	Physiotherapy in Neurological Sciences and Pediatrics -II	3	0	0	45	0	0	45	3
	3	Cardiopulmonary Physiotherapy in Medical and Surgical conditions -II	3	0	0	45	0	0	45	3
	4	Physiotherapy Clinical Practice in Musculoskeletal Sciences -II	0	0	2	0	0	90	90	6
	5	Physiotherapy Clinical Practice in Neurosciences and Paediatrics -II	0	0	2	0	0	90	90	6
	6	Clinical Practice in Cardiovascular and Pulmonary Physiotherapy -II	0	0	2	0	0	90	90	6
		Foundation courses with internal Examination								
	7	Fundamentals of Yoga - Theory & Practice Differential diagnosis and clinical	1	1	0	15	30	0	45	3
	8	reasoning	2	0	0	30	0	0	30	2
	9	Research data collection <b>Total</b>	0 12	2 3	1 7	0 180	60 90	45 315	105 585	7 39
		Semester Total		22			585			39

# Semester VIII

С				Credits		C	ontact Hou	rs	Н	ours
Code		Course Title	Theory	Practical	Clinical P	Theory	Practical	Clinical P	Total	Weekly
	1.	Community Medicine	3	0	0	45	0	0	45	3
	2. 3.	, , ,	3	0	0	45	0	0	45	3
	4.	Community Physiotherapy in Women's	0	0	2	0	0	90	90	6
	5.	Health	1	0	0	15	0	0	15	1
		Health	0	0	1	0	0	45	45	3
	6. 7.	701	2	0	0	30	0	0	30	2
	8.	promotion and Fitness Physiotherapy Practice in	2	0	0	30	0	0	30	2
		Sport, Health Promotion and Fitness	0	0	2	0	0	90	90	6
		Foundation courses with Internal Examination								
	9.	Administration, Management and Leadership skills	3	0	0	45	0	0	45	3
	10	O. program Electives: Technology in rehabilitation/	1	1	0	15	30	0	45	3
		Geriatric Physiotherapy	1	2	0	15	60	0	75	5
	11	<ol> <li>Research Report         Total     </li> </ol>	16	3	5	240	90	225	555	37
		Semester Total		24			555			37

## **CLINICAL INTERNSHIP**

	c	O 7711.	Credits			Contact Hours			Hours	
Code		Course Title	Theory	Practical	Clinical P	Theory	Practical	Clinical P	Total	Weekly
	1	Clinical Internship	0	0	24	0	0	1080	1080	42
		Semester Total		24			1080			42

7 Hrs/Day x 6 Days/Week x 26 weeks (6 mnths) = 1092 Hrs (Subt 1080)

#### First Semester-B.P.T.

	GITAM School of Physiotherapy											
Name of the		Bachelor o	f Physiotherapy									
Program												
Course Title		Human An	atomy - I									
Course Code		PHTY 100	1									
Semester / Aca	ademic	Semester 1	/ Year 1									
year												
Number of Cr			+ 2 Practical )									
Course Prerec			wledge (Pre-Univ			-						
Course Synop	sis	1	-			-	student an in- depth					
			knowledge of the structure of Human body. This module provides a comprehensive									
		_	knowledge about various tissues and organs present in the human body to understand									
		the anatomical basis of health and disease. The major topics for this course include										
	General Histology, Musculoskeletal Anatomy, detailed anatomy of the Upper Extremity,											
	Thorax including lungs and heart, Anatomy of the Head and Neck including the Central Nervous system.											
Course Objec												
<b>,</b>	various anatomical structures, their relations in the body.											
		1	knowledge abou			-	g anatomy of					
		Upperlimb, 7	Thorax, Head and	d Neck.								
Course Outco	•	*	all be able to									
At the end of	tne cours	se student sn	iaii be abie to:									
CO1		Know the b	oasic terminologi	es and st	ructures of Hu	man Anatomy	(C1)					
CO2		Describe th	ne normal structu	re of var	ious tissues in	Human body (	(C2)					
CO3		Describe th	ne basis of humar	n movem	ent (C2)							
CO4		Outline the	anatomy of bone	es, Joints	and connective	ve tissues in the	e human body (C2)					
CO5		Describe th	ne normal structu	re of Up	per extremity,	Thorax, Head	and Neck. (C2)					
Mapping of C	ourse O	l utcomes (CC	Os) to Program (	Outcome	es (POs):							
COs PO	<del>)</del>	PO2	PO3	PO4	PO5	PO6	PO7					
CO1	X			X								
CO2	X			X		+						
CO3	X			X		1						
CO4	X			X								
CO5	X											

			GITAN	I School of P	hysiotherapy	у				
Name of	the	Bachelor	of Physiotl	nerapy						
Program										
Course T	itle	Human P	hysiology l	[						
Course C	Code	PHTY101	11							
Semester	/ Academic	Semester	I; Year I							
year										
Number of Credits 4										
Course P	rerequisite	Basic Kno	owledge (P	re-University	level) of Bio	ology, Physics	s, and Chemistry			
Course Synopsis  The course in Physiology over the first year is designed to give the student an depth knowledge of fundamental reactions of living organisms, particularly in human body. This module provides comprehensive knowledge about normal functions of the organ systems of the body to understand the physiological bashealth and disease  The major topics for this course include the cell; primary tissue; connective tiblood, muscle, and nerve; cardio-vascular and respiratory system, nervous system and special senses.										
Course O	ojective  Outcomes (C	functions	To provide comprehensive knowledge to physiotherapists about normal functions of the organ systems of the human body and to understand the physiological basis of health and disease.							
	d of the cou		shall be ab	ole to:						
CO1		Know the	basic facts	s and concepts	s of Physiolo	gy (C1)				
CO2				functions of the of the body. (		uromuscular,	Cardiovascular, and			
CO3				contribution in maintainin			ular, Cardiovascular, and			
CO4		Describe	abnormal p	physiology in	disease proce	esses. (C2)				
Mapping	g of Course C	Outcomes (C	Os) to Pro	gram Outcoi	nes (POs):					
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7			
CO1	X									
CO2	X			X						
CO2										
CO2	X			X						

			GITAM Sc	hool of Ph	ysiotherapy			
Name of t	the	Bachelor	of Physiothera	ру				
Program		D: 1 :						
Course Ti		Biochemis						
Course C		PHTY 102						
Semester year	/ Academic	Semester	I / Year I					
Number (	of Credits	3 (2 theor	y + 1 practical	)				
Course P	rerequisite		nt should have ninologies used				tions and be aware of	
<ul> <li>Course Synopsis</li> <li>The course will enable the student to ur of digestion, metabolism and absorption at cellular level.</li> <li>The course will also educate the stud bodily components, their sources, function</li> </ul>							nstituents in the body  1 levels of important	
The student will also be able to understand and interpret related to their results which will enhance their treatment planning.								
Course O	bjective	1.To impart detailed knowledge about biochemical compositions in the human body alongwith their production, functions, digestion, metabolism and fate.  2. To familiarize the learner with normal levels of various metabolic substances, interpretations of various test results and disorders related to them that will help them further scrutinize and plan treatment protocols much efficiently.						
	utcomes (CC d of the cour		hall be able to	:				
CO1				-	-	of nutritional ca	alorific values,	
CO2		Understan	nd the chemical	l compositi	on of carbohy		proteins, enzymes, functions.(C2)	
CO3		Know the concerned	concepts of di	gestion, ab ism of carb	sorption and ohydrates, lip	understand the voids, proteins, vi	various pathways tamins and minerals	
CO4		muscles a	_	nuscle con	traction. Also	nctions, contrac , able to explain	tile elements in a biochemistry of	
CO5						and electrolyte etation. (C3, P2)	balance, their normal	
Mapping	of Course O	•	Os) to Prograi					
	DO1	PO2	PO3	PO4	PO5	PO6	PO7	
Cos	PO1	102						
Cos CO1	X	102						
		102						
CO1	X	102						
CO1	X X	102						

			GITAM	School of Pl	hysiotherapy	У					
Name of Program	-	Bachelor	of Physiothe	erapy							
Course 7	Title	Sociolog	y								
Course (	Code	PHTY10	31								
Semester year	· / Academic	Semester	1 / Year 1								
Number	of Credits	2									
Course I	Prerequisite	Basic knovalues	owledge rega	rding humar	n interactions	and orientation	n regarding the social				
Course S	Synopsis	and social	l process, so	cial institutio rious social	ons in relation factors affec	n to the individ	concepts, principles ual, family and in rural and urban				
Course (	Objective	1) To imp	oart knowled	ge on basic p	orinciples and	d concept of so	ciology				
		1 1	2) To make learners understand the basic relation between individual, family and communities								
	Outcomes (Cond of the coun	,	shall be able	to:							
CO1						ing principles, s liseases domain	social processes and ns (C2)				
CO2			socialization, of the peopl		s and concep	ot of social grou	ups in relation with				
CO3		Describe social change, social security and role of medical social worker (C2)									
CO4		Outline the	Outline the concept of family, community, culture and health (C3)								
Mapping	g of Course O	utcomes (C	Os) to Prog	ram Outcon	nes (POs):						
Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	X										
CO2	X	X									
CO3	X										
CO4	X				X						

GITAM School of Physiotherapy										
Name of the	Program	Bachelor	of Physiot	herapy						
Course Title	;	Introducti	on To Phy	siotherapy A	nd Healthcare	Delivery Sys	tem In India			
Course Code	e	PHTY104	-1							
Semester / A	cademic	Semester	1 / Year 1							
year										
	Tumber of Credits 2									
Course Prere	ourse Prerequisite Basic Knowledge (Pre-University level) of Biology, Physics and Chemistry									
Course Syno	Synopsis The course provides students the knowledge of basic physiotherapy evaluation methods and a basic insight into the main features of the Indian health care delivery system and how Physiotherapy as a profession compares with the other health care systems of India.									
Course Objective  To impart knowledge about the physiotherapy profession, create understanding all the basic evaluative methods used in physiotherapy and familiaroze about the var healthcare delivery systems in india apart from physiotherapy.							iliaroze about the various			
Course Outco			ll be able	to:						
CO1		Know the	basic met	hods of physi	iotherapy eva	luation				
CO2		Know the	methods o	of health care	delivery at n	ational and int	ternational level			
CO3		Describe t	he AYUSI	H system of r	medicine					
CO4		Know the	importanc	e of demogra	aphy and epid	lemiology in h	nealth care delivery			
Mapping of	Course Ou	tcomes (COs	s) to Progr	am Outcome	s (POs):					
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7			
CO1	X									
CO2	X									
CO3	X	X								
CO4	X	X								

			GITAM	School of P	hysiotherap	y				
Name of the	e	Bachelor	of Physioth	erapy						
Program										
Course Title	e	Introduct	ion to Resea	arch and Evi	dence; Learn	ing and Teachi	ng Methods			
Course Cod	le	PHTY10	51							
Semester / A	Academic	Semester I / Year I								
year										
Number of		1								
Course Pre		1	•				Chemistry and English			
Course Syn	Course Synopsis  This course introduces terminologies related to research and evidence. In addition the course offers hands-on learning experience to imbibe different learning and teaching methods that will be adapted in the curriculum.									
Course Objective  1. To introduce the terminologies and common methods used in research. 2. To provide exposure to different learning and teaching methods that will be through the process of Physiotherapy curriculum delivery.										
Course Out At the end o	`	,	shall be abl	e to:						
CO1		Outline r	esearch and	evidence (C	2, P2)					
CO2		Summari	ze the resea	rch methods	and the scop	e of study desig	gns (C2)			
CO3		Interpret	domains an	d levels of le	earning (C3)					
CO4		Understa	nd learning	and teaching	methods (C	2, P4)				
Mapping of	Course O	utcomes (C	Os) to Prog	gram Outco	mes (POs):					
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7			
CO1	X					X				
CO2	X					X				
CO3	X	X								
CO4	X	X								

		(	GITAM Sch	ool of Physic	otherapy					
Name of	the	Bachelor	of Physiothe	erapy						
Program										
Course T	itle 💮	Community Orientation and Clinical Visit								
Course C	Code	PHTY107	1							
Semester	• /	Semester 1	/ year 1							
Academi	emic year									
Number	of Credits	1								
Course		Basic Kno	wledge (Pre	-University l	evel) of Biolo	ogy, Physics an	d Chemistry			
Prerequi	Prerequisite									
Course S	care system isit as they									
Course C	·	To familiarize the students with the physiotherapy healthcare delivery scenario, and to make them understand the importance of clinical observation in evaluation of a patient.								
	Outcomes (C	,								
At the en	d of the cou	rse student s	shall be able	to:						
CO1		Identifies (C2,P2)	Physiothera	pist's role in	various clinic	cal and commu	nity settings			
CO2				ce and necessare workers.		ting with the vi	llage panchayat			
Mapping	of Course C	Outcomes (C	Os) to Prog	ram Outcor	nes (POs):					
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7			
CO1	X	X	X							
CO2	X	X X X								

#### Second Semester-B.P.T

	GITAM School of Physiotherapy										
Name of the Progr	am Bachelor	of Physiotl	herapy								
Course Title	Human Aı	natomy - I	I								
Course Code	PHTY-108	31									
Semester / Academ	ic 2 <sup>nd</sup> Semes	2 <sup>nd</sup> Semester / 1 <sup>st</sup> Year									
year	r										
Number of Credits	5 (3 theory	y + 2 Pract	tical)								
Course Prerequisit	e Basic Kno	wledge (P	re-University	level) of Bio	ology, Physics	s and Chemistry					
Course Synopsis The course in Anatomy over the first year is designed to give the student an in-											
knowledge of the structure of Human body. This module provides comprehensive											
knowledge about various tissues and organs present in the human body to unders											
	the anatomical basis of health and disease. The major topics for this course include										
Embryology, Endocrine Glands, Abdomen, Pelvis, Trunk and detailed anatomy of											
Lower Extremity.											
Course Objective In continuation to the learning and understanding of the contents of first semester											
					•	nowledge of Embryology,					
		Endocrine Glands, Abdomen, Pelvis, Trunk and detailed anatomy of the Lower									
	Extremity.	Extremity.									
Course Outcomes	` '										
At the end of the co	ourse students s	shall be ab	ole to:								
CO1	Describe t	he structu	re of lower ext	remity, trun	k, pelvis, abd	omen, endocrine glands.					
	Mention t	he formati	on and develop	oment of the	embryo and	fetus. (C2)					
CO2	Explain th	e anatomi	cal relationship	of various	structures pre	esent in lower extremity,					
	trunk, pel	vis and abo	domen. (C2)								
CO3	Outline th	e applied a	anatomy of low	ver extremit	y, trunk, pelv	is and abdomen (C2)					
Mapping of Cours	e Outcomes (CO	Os) to Pro	gram Outcom	es (POs):							
COs PO1	PO2	PO3	PO4	PO5	PO6	PO7					
CO1 X			X								
CO2 X			X								
CO3 X X											

			GITAM	School of Pl	nysiotherap	y						
Name of	the	Bachelor	of Physiothe	erapy	<u>·                                      </u>	<u> </u>						
Program												
Course T	itle	Human P	hysiology II									
Course C	ode											
Semester	/ Academic	Semester	II; Year I									
year												
Number (	of Credits	Theory 4	Theory 4 Credits; Practical 1 Credit									
Course P	rerequisite	Basic Kn	owledge (Pr	e-University	level) of Bi	ology, Physics	s and Chemistry					
Course Synopsis  The course in Physiology over the first year is designed to give the student and depth knowledge of fundamental reactions of living organisms, particularly in human body. This module provides a comprehensive knowledge about normal functions of the organ systems of the body to understand the physiological base health and disease  The major topics for this course include the digestive system, endocrine system System, reproductive system, and physiology of exercise. Applied physiology pulmonary functions, cardiovascular functions, muscles and nervous system functions, blood functions and metabolic functions are included. In addition to theoretical classes, the course will include practical topics related to hematolog clinical examinations, and amphibian experiments with recommended demonst						ms, particularly in the edge about normal e physiological basis of m, endocrine system, renal pplied physiology on d nervous system add. In addition to the elated to hematology,						
	Outcomes (CC	of the org of health  Ds):										
	d of the cour											
CO1		Outline the normal functions of the digestive system, endocrine system, renal system, reproductive system of the body to facilitate an understanding of the physiological basis of health (C2).										
CO2			Interpret the integrated function of various organ systems and their adaptations in response to exercise (C2)									
CO3		Explain the physiological basis of disease processes (C2).										
CO4		Display s P3)	Display selected procedures that enhance understanding of human physiology (C1, P3)									
Mapping	of Course O	utcomes (C	Os) to Prog	ram Outcon	nes (POs):							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7					
CO1	X			X								
CO2	X			X								
CO3	X			X								
CO4	X		X									

			GITAM	School of Ph	ysiotherapy							
Name of	the	Bachelor of	of Physiothe	erapy								
Program												
Course T	itle	General Pa	sychology &	& Clinical Ps	ychology							
Course C	Code											
Semester	/ Academic	2 <sup>nd</sup> Semest	ter / 1st Year	r								
year												
	of Credits	3 (T)										
	rerequisite				level) of Eng							
Course S	ynopsis	This course enables students to understand the various psychological domains of human behavior and how to interpret them. This will in turn assist them to perceive the behavior of the patient and plan treatment methods accordingly.										
Course O	bjective	To give a comprehensive understanding of human behaviour and various emotions they might come across while encountering a patient.										
	Outcomes (CO	*	1 11 1 1. 1									
At the en	d of the cours	se students s	snaii de adi	e to:								
CO1		Explain th (C2, A3)	e various th	neories of psy	chology, met	hods of study	ing human behavior.					
CO2		Describe the concepts of Growth & Development, Sensation, Attention & Perception, motivation, frustration & conflict, emotions, intelligence, thinking, learning and personality and social psychology in shaping human behavior (C2, A3)										
CO3		Explain th	e concept o	f social psycl	hology with e	emphasis on le	eadership qualities. (C2,					
CO4			the models of training in clinical psychology, psychotherapy, and their ions to physiotherapy practice. (C2, A3)									
Mapping	of Course O	itcomes (CC	Os) to Prog	ram Outcon	nes (POs):							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7					
CO1	X			X								
CO2	X	X		X								
CO3	X	X			X		X					
CO4	X	X	X	X								

		GI	TAM Scho	ol of Physic	otherapy							
Name of the	Bachelor	of Physio	therapy									
Program												
Course Title	Biophysi	cs										
Course Code												
Semester /	II semest	er/ Ist year	r									
Academic year												
Number of Credits	2 credits	` ' '										
Course	Basic Kr	owledge (	Pre-Univers	ity level) of	Biology, Phys	sics and Chemistry						
Prerequisite												
Course Synopsis						sic concepts in biophysics.						
						trotherapy and biomechanical						
	r -			-		overed in this course are						
		nical physic	cs, electric	supply, bioe	electronics, rad	iation physics, heat cold and						
	sound.											
Course Objective	1.To introduce the basic concepts of biophysics in physiotherapy.											
	2.To lay the principal foundation to understand electrotherapy and											
	biomechanical principles of exercise.											
Course Outcomes (C	COs):											
At the end of the con		its shall bo	e able to:									
CO1	Recall th	e principle	es of physics	and apply i	t to the humar	n movement (C3, P3)						
CO2	Extend the	ne knowled	dge of physi	cs for the us	se of electroph	ysical therapeutic modalities (C2)						
CO3	Begins to test the working condition of the electrotherapy modalities (P2)											
Mapping of Course	Outcomes	(COs) to 1	Program O	utcomes (P	Os):							
COs PO1	PO2	PO3	PO4	PO5	PO6	PO7						
CO1 X			X									
CO2 X			X									
CO3 X			X									

			GITAM	School of Phy	siotherapy					
Name of Program		Bachelo	or of Physiother	rapy						
Course T		Foundat	tions of Exerci	se therapy						
Course C	Code									
Semester year	/ Academic	Semeste	er II; Year I							
Number	of Credits	Credits	4(2T + 2P)							
Course P	rerequisite			uman Anatomy Active movem		nysiology, Start	ting & Derived			
Course S	ynopsis	theraped physica The man exercise	In this course, the students will learn the principles and effects of exercise as a therapeutic modality and will learn the techniques in the restoration of physical functions.  The major topics for this course include relaxation techniques, breathing exercises, massage and soft tissue manipulation, postural drainage, Goniometry, principles of home program and group exercises.							
Course Objective  1)To familiarize learners about the basic terminlogies and concepts in exercise therapy 2) To impart knowledge on various techniques of exercise therapy										
	Outcomes (Cod of the cou		ts shall be able	e to:						
CO1		exercise	Outlines the indications and explain the principles of relaxation techniques, breathing exercises, soft tissue manipulations, postural drainage, home exercise and group exercise program (C2)							
CO2		Performs and records the goniometry measurements of a joint in the human body (C2, P4)								
CO3		Displays the techniques of relaxation, breathing exercises, soft tissue manipulations, postural drainage, home exercise and group exercise program (C2, P4)								
Mapping	of Course C	Outcomes (	COs) to Progr	ram Outcomes	(POs):					
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7			
CO1	X			X						
CO2	X	X	X X							
CO3	X	X	X	X	X					

			GITAM Scho	ool of Physiothe	rapy						
Name of t	the	Bachelor of	of Physiotherapy	-	<u> </u>						
Program											
Course Ti		Clinical ol	servation								
Course C	ode										
Semester	/ Academic   Semester II; Year 1										
year											
	Number of Credits 1 (Clinical Practice)										
Course P	rerequisite		wledge of clinical nodel of physiothe			gistration proc	cess flow and				
Course Sy	ynopsis	Through this course, the students will observe the client interaction with clinicial delivery of health care and physiotherapeutic skills in different clinical units of hospital and in the community. Students will also learn the process of clinical documentation.									
Course O	bjective		To provide comprehensive knowledge about basic obsevational skills ,documentation skills and implementation of learned skills.								
Course O At the end	Outcomes (CC) d of the cours	os): se students s	hall be able to:								
CO1		Describes	observation of cl	ient interaction	with the clinic	eian (P1, A1)					
CO2		Organizes Log book	the documentation (P4).	on of an observe	d clinical scen	nario and patie	nt records in the				
CO3		Explains t	he use of learned	skills in clinical	practice (P2)						
Mapping	of Course O	utcomes (CC	Os) to Program (	Outcomes (POs	):						
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	X										
CO2	X										
CO3	X			X							

#### Third Semester-B.P.T

		GITAM S	chool of Ph	ysiotherapy	ī							
Name of the	Bachelor of	of Physiother	apy									
Program												
Course Title	Pathology	and Microbi	ology									
Course Code												
Semester / Academic	3 <sup>rd</sup> Sem / 2	<sup>2nd</sup> Year										
year												
Number of Credits	4(T) + 1(1)	4(T) + 1(P) = 5 credits										
Course Prerequisite	Knowledg	Knowledge of Human Anatomy and Human Physiology										
Course Synopsis	Pathology and Microbiology form an important link between preclinical and clinical courses. Pathology involves the study of causes and mechanisms of a disease and microbiology involves the study of common organisms causing diseases including nosocomial infections and precautionary measures to protect one from acquiring infections. This course offers knowledge and understanding of Microbiology & Pathology of diseases that is essential for a physiotherapist to institute appropriate											
Course Objective	treatment or suggest preventive measures to the patient.  Course Objective  To impart the knowledge and understanding about the study of causes and mechanism of a disease in pathology and knowledge and understanding of common organisms causing diseases in microbiology.											
Course Outcomes (CC At the end of the cour	· ·	hall be able	to:									
CO1	Demonstra cell death	_	ge of causes,	mechanism	s, types and e	ffects of cell injury and						
CO2	Describe t	Describe the Etio – pathogenesis, the pathological effects & the clinico – pathological										
					ious diseases.	3 2						
CO3	Describe normal & altered morphology of different organ systems in different											
						nificance. (C2)						
CO4	-			n microbial	organisms an	d related pathogenesis						
G0.		es in humans	` /			1.1.1.1.						
CO5	1 *			nd recognize	selected mic	robial and histo-						
Mapping of Course O	1 .	al specimens  Os) to Progra		nes (POs):								
COs PO1	PO2	PO3	PO4	PO5	PO6	PO7						
CO1 X			X									
CO2 X			X									
CO3 X			X									
CO4 X			X									
CO5 X			X									

	GITAM School of Physiotherapy										
Name of t	he	Bachelor of	of Physiothe	erapy							
Program											
Course Ti	tle	Pharmacol	logy								
Course Co	ode										
Semester	/ Academic	3 <sup>rd</sup> Semest	er / 2 <sup>nd</sup> Yea	r							
year											
Number o	f Credits	3 (Theory)	3 (Theory)								
Course Pr	erequisite	Basic Kno	wledge of	Anatomy & Ph	ysiology of	various syste	ems of the human body.				
Course Sy	nopsis	This cours	e introduce	s pharmacolog	y with emp	hasis on drug	g interaction with organ				
		function. 7	The student	s will be able t	o relate the	effects of pha	armacotherapy on human				
		function.									
Course O	bjective	To educate the students regarding various categories of drugs, their reactions and									
		effects and applications in various conditions. This will help the student accordingly									
		plan proper treatment protoocols.									
	utcomes (CO	,									
At the end	l of the cours	se students s	hall be abl	le to:							
CO1		Relates the	e pharmaco	logical drugs ı	sed in vario	us clinical co	onditions to				
		Relates the pharmacological drugs used in various clinical conditions to Physiotherapy Practice (C2)									
CO2		Explain the therapeutic indications, dosage, routes of administration,									
		pharmacological action and adverse effects of drugs used in various clinical									
		conditions affecting the human body. (C2)									
Mapping	of Course O	itcomes (CC	Os) to Prog	ram Outcome	es (POs):						
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	X			X							
CO2	X										
	I			l		1					

Name of the Program	ha	1			hysiotherap	J						
Program	ne	Bachelo	r of Physiot	herapy								
		D: .	. 17	r· · 1								
Course Ti		Biomec	Biomechanics and Kinesiology									
Course Co												
Semester /	/ Academic	Semeste	er 3; Year 2									
year												
Number o	f Credits	4										
Course Pr	erequisite	The stud	The students should have the knowledge of Anatomy and principles of mechanics									
	-	influenc	influencing human movement									
Course Sy	nopsis		This course aids in understanding and applying basic principles of biophysics in									
<i>-</i>							human musculoskeletal					
		system.	The student	s will learn a	bout the bior	nechanics of v	various joints, posture and					
		gait.										
Course Ol	bjective	To understand and apply the principles of biophysics in describing the structural										
		integrity and functions of human musculoskeletal system in Physiotherapy practice.										
Course O	utcomes (CO	<b>)s):</b>										
At the end	l of the cour	se student	s shall be al	ole to:								
CO1		Summarize human movements using the concepts of kinematics and kinetics (C2)										
CO2		Explain	Explain the principles of biomechanics in describing and analyzing common									
		functional activities and recognize altered movement patterns (C2)										
Mapping	of Course O			gram Outco		ement pattern	5 (02)					
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7					
CO1	X			X								
CO2	X			X								

	GITAM School of Physiotherapy										
Name of	the	Bachelor of	of Physiothe	erapy							
Program											
Course T	itle	Practical in	n Biomecha	anics and Kine	esiology						
Course C	ode										
Semester	/ Academic	Semester 3	3; Year 2								
year											
Number	of Credits	1(Practica	l)								
Course P	rerequisite	The studer	nts should h	ave the know	ledge of An	atomy and pri	nciples of mechanics				
		influencing	g human m	ovement							
Course S	ynopsis	The students will apply basic principles of biophysics and kinesiology in describin the structural integrity and functions of human musculoskeletal system. They will perform movement and function evaluation under guidance.									
	Outcomes (CO	1. To apply basic principles of biophysics and kinesiology in describing the structural integrity and functions of human musculoskeletal system.  2. To provide hands on experience for performing movement and functional evaluation through Physiotherapy practice.									
At the en	d of the cours	se students s	shall be abl	e to:							
CO1		Explain ar (C2, P2)	nd display h	uman movem	ents using t	he concepts of	f kinematics and kinetics				
CO2		and their i		unction using			f human body segments es and recognize altered				
Mapping	of Course O	itcomes (CC	Os) to Prog	ram Outcom	es (POs):						
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	X	X		X							
CO2	X	X		X							

			GITAM	School of Phys	siotherapy						
Name of	the	Bachelor	of Physiother	apy							
Program											
Course T		Theoretica	al concepts in	Exercise thera	py-I						
Course C											
Semester	ter / Academic   Semester III; Year 2										
year		Credits 3									
Number											
	rerequisite						e in exercise therapy.				
Course Synopsis  In this course, the students will learn the principles for application of therape exercise, to restore physical function. The major topics for this course included Testing, Trick movements, Suspension therapy, Hydrotherapy, Therapeutic Gymnasium, Mobilization, Spinal traction, Stretching, and Proprioceptive Neuromuscular Facilitation (PNF)											
Course Objective To impart knowledge on theortical concepts of exercise therapy and understand to application of principles of exercise in various clinical conditions											
	Outcomes (Co d of the cour		shall be able	to:							
CO1		Describe Muscle Testing and Trick movement for the evaluation of muscle function (C2)									
CO2		Explain the principles, indications, contraindication and techniques for application of use of Suspension therapy, Hydrotherapy, Therapeutic Gymnasium, Mobilization techniques, Spinal traction, Stretching techniques, and Proprioceptive Neuromuscular Facilitation (PNF). (C2)									
Mapping	g of Course C	outcomes (C	Os) to Progra	am Outcomes	(POs):						
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	X		X								
CO2	X			X							

			GITAM School o	f Physiother	apy								
Name of	the	Bachelor of	Physiotherapy										
Program													
Course T		Practical in	Exercise therapy - I										
Course C	ode												
Semester	/ Academic	Semester III	; Year 2										
year													
Number	of Credits	3 (practical	)										
Course P	rerequisite	Knowledge	of anatomy, physiological	ogy, and fou	ndational knowl	edge in exe	rcise therapy.						
Course Synopsis  In this course, the students will learn the principles and hands on techniques for application of therapeutic exercise, to restore physical function. The major topics f this course include Muscle Testing, Trick movements, Suspension therapy, Hydrotherapy, Therapeutic Gymnasium, Mobilization, Spinal traction, Stretching, Proprioceptive Neuromuscular Facilitation (PNF)													
1)To implement the basic theortical concepts of exercise therapy. 2) To provide in depth hands on knowledge in performing joint movement of and also to impart various skills that helps in physical rehabilitation							nt evaluation						
	outcomes (C d of the cou		nall be able to:										
CO1		Performs ev	aluation of Muscle f	function and	Imitates Trick n	novements (	C2, P4)						
CO2		application of Mobilization	principles, indication of use of Suspension techniques, Spinal ular Facilitation (PN	therapy, Hy traction, Str	drotherapy, The	rapeutic Gy	mnasium,						
Mapping	of Course (	Outcomes (CO	s) to Program Outc	comes (POs)	:								
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7						
CO1	X	X	X	X									
CO2	D2 X X X X												

	GITAM School of Physiotherapy									
Name of the		Bachelor of	of Physioth	erapy						
Program										
Course Title	;	Health Inf	ormatics ar	nd Clinical Ob	servation					
Course Code	e									
Semester / A	cademic	IIIrd seme	ster/IInd ye	ear)						
year										
Number of C	Credits	1 (T), 2(C	Clinical Pra	ctice)						
Course Prer	equisite	quisite Basic Knowledge of a hospital and physiotherapy OPD layout and patient process flow								
Course Syno	psis	Through t	his course,	the students v	vill learn Bio	oinformatics a	nd medical			
		document	ation algori	thms used in	Hospital sett	ups. They will	observe the client			
				•		are and physic	otherapeutic skills in			
				s of a hospital						
Course Obje	ective					nitions, key co	oncepts and			
		terminology in Health Informatics.								
		2. To make the student understand the fundemental charecteristics of data,								
		information and knowledge in health iformatics.								
		3. Equip the students to volunteer for setting and winding up therapy, maintaining clinical notes and activity logs.								
G 6 1	(60		ng clinical i	notes and activ	vity logs.					
Course Outo	`	,								
At the end of	the cours	e students s	shall be ab	le to:						
CO1		Interpret definitions, key concepts and terminology in the context of Health								
		Informatics (C2)								
CO2		Explain client's interaction with clinician, begins to document clinical information as								
		dictated by the clinical therapist (A3, P2)								
CO3		Explains t	he use of le	earned skills in	n clinical pra	actice (P2)				
CO4			Displays documentation of an observed clinical scenario and patient records in the Log book (A3, P2).							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7			
CO1	X	X								
CO2	X	X								
CO3	X			X						
CO4	X	X								

## Fourth Semester-B.P.T

			GITAM Scho	ol of Phys	siotherapy					
Name of the	;	Bachelor of	of Physiotherapy							
Program										
Course Title		Basics in I	Basics in Patient Handling Techniques and Theoretical Concepts in Exercise Therapy-II							
Course Cod										
Semester / A	Academic	Semester l	Semester IV; Year 2							
year										
Number of 0	Credits	Credits 3(1	theory)							
Course Pren	requisite	exercise the semesters.	The student must have knowledge of Anatomy, Physiology, Biomechanics and exercise therapy methods and techniques learned in 1st, 2nd and 3rd semesters.							
Course Synd	opsis	In this course, the students will learn the principles and techniques for handling the patients in a rehabilitation setup and application of therapeutic exercise to restore physical function  The major topics for this course include Strengthening exercises, balance, and Coordination exercises, Posture reeducation, Mobility aids (walking aids and wheelchairs), Functional re-education and gait rehabilitation exercises.								
	Course Objective To provide an indepth knowledge of handling a patient and implementation of an exercise program in different clinical conditions.						d implementation			
Course Oute At the end o			shall be able to:							
CO1			principles of bion ough movement re			nandling and tr	ransitions ensuring			
CO2		and use of	Mobility aids, St	rengthenir	g Exercises	, Balance and	ues for application Coordination ait re-education (C2)			
Mapping of	Course O	utcomes (Co	Os) to Program (	Outcomes	(POs):					
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7			
CO1	X			X						
CO2	X			X						

Name of the Program       Bachelor of Physiotherapy         Course Title       Practical in Patient Handling Techniques and Exercise therapy-II         Course Code       Semester / Academic year         Number of Credits       Credits 2(practical)         Course Prerequisite       The student must have knowledge of Anatomy, Physiology, Biomechanics and exercise therapy methods and techniques learned in 1st, 2nd and 3rd semesters.         Course Synopsis       In this course, the students will learn to apply hands-on principles and techniques handling the patients in a rehabilitation setup and application of therapeutic exercises physical function.         The major practical topics for this course include Strengthening exercises, balance	cise to						
Course Title         Practical in Patient Handling Techniques and Exercise therapy-II           Course Code         Semester / Academic year           Number of Credits         Credits 2(practical)           Course Prerequisite         The student must have knowledge of Anatomy, Physiology, Biomechanics and exercise therapy methods and techniques learned in 1st, 2nd and 3rd semesters.           Course Synopsis         In this course, the students will learn to apply hands-on principles and techniques handling the patients in a rehabilitation setup and application of therapeutic exercise restore physical function.	cise to						
Course Code Semester / Academic year  Number of Credits  Credits 2(practical)  Course Prerequisite  The student must have knowledge of Anatomy, Physiology, Biomechanics and exercise therapy methods and techniques learned in 1st, 2nd and 3rd semesters.  Course Synopsis  In this course, the students will learn to apply hands-on principles and techniques handling the patients in a rehabilitation setup and application of therapeutic exercise restore physical function.	cise to						
Semester / Academic year         Semester IV; Year 2           Number of Credits         Credits 2(practical)           Course Prerequisite         The student must have knowledge of Anatomy, Physiology, Biomechanics and exercise therapy methods and techniques learned in 1st, 2nd and 3rd semesters.           Course Synopsis         In this course, the students will learn to apply hands-on principles and techniques handling the patients in a rehabilitation setup and application of therapeutic exercise restore physical function.	cise to						
Number of Credits         Credits 2(practical)           Course Prerequisite         The student must have knowledge of Anatomy, Physiology, Biomechanics and exercise therapy methods and techniques learned in 1st, 2nd and 3rd semesters.           Course Synopsis         In this course, the students will learn to apply hands-on principles and techniques handling the patients in a rehabilitation setup and application of therapeutic exercise restore physical function.	cise to						
Number of Credits         Credits 2(practical)           Course Prerequisite         The student must have knowledge of Anatomy, Physiology, Biomechanics and exercise therapy methods and techniques learned in 1st, 2nd and 3rd semesters.           Course Synopsis         In this course, the students will learn to apply hands-on principles and techniques handling the patients in a rehabilitation setup and application of therapeutic exercises restore physical function.	cise to						
Credits 2(practical)  Course Prerequisite  The student must have knowledge of Anatomy, Physiology, Biomechanics and exercise therapy methods and techniques learned in 1st, 2nd and 3rd semesters.  Course Synopsis  In this course, the students will learn to apply hands-on principles and techniques handling the patients in a rehabilitation setup and application of therapeutic exercise restore physical function.	cise to						
course Synopsis  In this course, the students will learn to apply hands-on principles and techniques handling the patients in a rehabilitation setup and application of therapeutic exercises restore physical function.	cise to						
handling the patients in a rehabilitation setup and application of therapeutic exercises restore physical function.	cise to						
Coordination exercises, Posture reeducation, Mobility aids (walking aids and wheelchairs), Functional re-education and gait rehabilitation exercises.	,						
Course Objective To provide extensive hands on knowledge of different techniques and skills of exercise therapy							
Course Outcomes (COs): At the end of the course students shall be able to:							
Displays and practices the principles of biomechanics for patient handling and transitions ensuring safety through movement rehabilitation (C3, P4, A2)							
use of Mobility aids, Strengthening Exercises, Balance and Coordination exercis	Explain the principles, indications, contraindication and techniques for application and use of Mobility aids, Strengthening Exercises, Balance and Coordination exercises, Posture Re-education, Functional re-education and Gait re-education (C2, P4, A3)						
Mapping of Course Outcomes (COs) to Program Outcomes (POs):							
COs         PO1         PO2         PO3         PO4         PO5         PO6         PO7							
CO1 X X X X							
CO2 X X X X							

	GITAM School of Physiotherapy									
Name of the Program	Bachelor	of Physiot	herapy							
Course Title	Theoretic	al Concept	s in Electroth	erapy						
Course Code										
Semester / Academic	4th semes	ster/ II year								
year										
Number of Credits	3									
Course Prerequisite	Knowled	Knowledge of anatomy, physiology, pathology and biophysics								
Course Synopsis	This cour	se will ena	ble the studer	nts to understa	and the principle	es and concepts in				
	implemen	nting the ev	vidence inform	ned electro th	erapeutic interv	entions with sound				
	clinical re	easoning. T	he major topi	cs for this co	urse include net	ıromuscular electrical				
	stimulation	on, transcut	taneous electr	ical nerve stir	nulation, functi	onal electrical				
	stimulation	on, interfer	ential currents	s, russian curr	ents, thermal, n	nicrothermal,				
	non-therr	nal								
			trotherapy mo							
Course Objective	1. To disc	1. To discribe the basic models of eletrotherapy and electrotherapeutic windows								
	2. To understand apply the concept of treating various dysfunctions using									
	electrothe	erapeutic m	odalities.							
Course Outcomes (CO	Ds):									
At the end of the cour	se students	shall be ab	ole to:							
CO1	Describe	the workin	g principles a	and application	n of electrophys	sical modalities (C2)				
CO2	Explain to practice (		reasoning for	choice of elec	ctrotherapeutic	modalities in clinical				
Mapping of Course O	utcomes (C	Os) to Pro	gram Outco	mes (POs):						
COs PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1 X			X							
CO2 X			X							

			GITAM	School of P	hysiotherap	<b>y</b>				
Name of the		Bachelor	of Physioth	erapy						
Program										
Course Title		Practical i	n Electroth	erapy						
Course Code										
Semester / Ac	ademic	4th semes	ter/ IInd aca	ademic year						
year										
Number of Ci	redits	4 credits								
Course Prerec	quisite	Knowledg	ge of anaton	ny, physiolog	gy, pathology	and biophysic	cs			
Course Synop	osis	This course will enable the students to practice the principles and concepts of electrotherapeutic interventions with sound clinical reasoning. The major topics for this course include neuromuscular electrical stimulation, transcutaneous electrical nerve stimulation, functional electrical stimulation, interferential currents, russian currents, thermal, microthermal, non-thermal and light based electrotherapy modalities.								
	To apply therapeutic skill of positioning the patient for electrotherapy and using various electrotherapeutic modalities of high, medium and low frequency.									
Course Outco At the end of	•	*	shall be abl	le to:						
CO1		the interve		effectively w			s, give instruction, apply he electrotherapeutic			
CO2										
Mapping of C	Course Ou	itcomes (Co	Os) to Prog	gram Outcoi	nes (POs):					
COs Po	01	PO2	PO3	PO4	PO5	PO6	PO7			
CO1	X	X	X	X						
CO2	X	X	X	X						

Marri			GITAM	School of P	hysiotherapy	y				
Name of	f the	Bachelor	of Physioth	erapy						
Progran	n									
Course '	Title	Theoretic	al concepts	in Physical	and Functiona	al Diagnosis a	and outcome measures			
Course	Code									
Semeste	er / Academic	4 <sup>th</sup> Semes	ter / 2 <sup>nd</sup> Yea	ır						
year										
Number	of Credits	3								
Course	Prerequisite		Knowledge of Anatomy, Physiology, Biochemistry, Exercise Therapy and							
		Biomechanics								
Course	Synopsis	The cours	e, Theoretic	cal concepts	in Physical ar	nd Functional	Diagnosis is designed			
		1 -		-			tional methods used			
		_	-			-	ajor topics for this			
		1			on, special tes	_				
		Investigat	ions for dia	gnosis and v	arious outcon	ne measures i	n rehabilitation.			
	011 :1			0 1:00	. 1	1.0	d 1 1 1:			
Course Objective To impart the knowledge of different physical and functional methods used to diagnose and plan physiotherapy treatment for a patient, familiarize with the										
		-				-				
		<b>I</b>	common outcome tools used in rehabilitation and understand the common							
		investigativ	investigative reports of a clinical condition							
	Outcomes (C nd of the cou	COs): irse students	shall be ab	le to:						
CO1		Describe clinical reasoning to interpret the evaluation process in Physiothera rehabilitation (C2)								
		renabilita	tion (C2)		orprot the eva	1	35 III I Hysiotherapy			
CO <sub>2</sub>				methods to 6			nd functions of the human			
CO2			the general	methods to						
CO2		Describe to body (C2)	the general		evaluate vario	us systems ar				
		Describe body (C2)	the general	s of perform	evaluate vario	us systems ar	nd functions of the human			
		Describe body (C2) Describe the human	the general the method h body (C2)	s of perform	evaluate vario	ous systems an	nd functions of the human			
CO3		Describe to body (C2)  Describe the human Read and	the general the method h body (C2) interpret co	s of perform ) ommon Inves	evaluate vario	ous systems and sts for various rts (C2)	nd functions of the human			
CO3 CO4 CO5	g of Course	Describe to body (C2)  Describe the human Read and	the general the method a body (C2) interpret co	s of perform ) ommon Inves	evaluate various ing special testigation reported for structures.	ous systems and sts for various rts (C2)	nd functions of the human s systems and functions of			
CO3 CO4 CO5	g of Course	Describe to body (C2) Describe to the human Read and Use approx	the general the method a body (C2) interpret co	s of perform ) ommon Inves	evaluate various ing special testigation reported for structures.	ous systems and sts for various rts (C2)	nd functions of the human s systems and functions of			
CO3 CO4 CO5 Mappin		Describe to body (C2) Describe the human Read and Use appro	the general the method h body (C2) interpret co opriate outc Os) to Prog	s of perform ) ommon Inves ome measure gram Outco	evaluate various ing special testigation reposes for structures (POs):	ous systems and sts for various arts (C2) re and function	nd functions of the human s systems and functions of n of human body (C2)			
CO3 CO4 CO5 Mappin COs	PO1	Describe to body (C2) Describe the human Read and Use appro	the general the method h body (C2) interpret co opriate outc Os) to Prog	ome measure gram Outco	evaluate various ing special testigation reposes for structures (POs):	ous systems and sts for various erts (C2) re and function	nd functions of the human s systems and functions of n of human body (C2)			
CO3 CO4 CO5 Mappin COs CO1	PO1	Describe to body (C2) Describe the human Read and Use appro	the general the method h body (C2) interpret co opriate outc Os) to Prog	ome measure gram Outco PO4 X	evaluate various ing special testigation reposes for structures (POs):	ous systems and stress (C2)  re and function  PO6  X	nd functions of the human s systems and functions of n of human body (C2)			
CO3 CO4 CO5 Mappin COs CO1 CO2	PO1 X X	Describe to body (C2) Describe the human Read and Use appro	the general the method h body (C2) interpret co opriate outc Os) to Prog	ome measure  gram Outco  PO4  X	evaluate various ing special testigation reposes for structures (POs):	rts (C2) re and functio	nd functions of the human s systems and functions of n of human body (C2)			

			GITAN	A School of		у				
Name of	the	Bachelor	of Physiot	herapy						
Program	1									
Course 7	Title	Practical	in Physica	l and Function	nal Diagnosi	S				
Course (	Code									
Semester	· / Academic	4 <sup>th</sup> Seme	4 <sup>th</sup> Semester / 2 <sup>nd</sup> Year							
year										
Number	of Credits	3 (Praction	3 (Practical)							
Course I	Prerequisite	Knowled	Knowledge of Anatomy, Physiology, Biochemistry, Exercise Therapy and							
		Biomech	Biomechanics							
Course S	Synopsis	I		-		-	s designed to develop			
		1 -	_				on methods used for			
		-	_			_	topics for this course			
							ests for diagnosis,			
		<b>I</b>		estigations f	or diagnosis a	and various out	tcome measures in			
~ .		rehabilita		1.11	2 1					
Course (	Course Objective To impart the hands on skill to perform the various clinical tests for the diagnosis of									
		I	clinical condition, utilize the theorietical knowledge to practice implementation of outcome measures and interpret the common investigative reports of a clinical							
			condition.							
		Condition.								
	Outcomes (Codes)	COs): irse students	shall be a	ble to:						
CO1		Make use	e of the sk	ills of clinica	l reasoning to	interpret the	evaluation process in			
		I		oilitation (C3	_	•	•			
CO2		Performs	evaluation	of various s	ystems and fi	unctions of the	human body (P4, A2)			
CO3		Performs	special tes	sts for variou	s systems and	l functions of t	he human body (P4, A2)			
CO4		Read and	l interpret o	common Inve	estigation rep	orts (C2)				
CO5				outcome mea	sures to eval	uate structure	and function of human			
Mapping	g of Course	body (C1  Outcomes (C		ogram Outco	omes (POs):					
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7			
CO1	X		X	X		X				
CO2	X	X	X	X		X				
CO3	X	X	X	X		X				
CO4	X		X	X		X				
CO5	X		X	X		X				

			GITAN	M School of P	hysiotherapy				
Name of the	Program	Bachelor o							
Course Title		Ethics and	Profession	alism					
Course Code									
Semester / A	cademic	4 <sup>th</sup> Semeste	er / 2 <sup>nd</sup> Yea	r					
year									
Number of C	redits	1(Theory)							
Course Prere	quisite	The student must have an inclination to be a professional in Physiotherapy follo							
		ethical principles							
Course Synopsis Physiotherapy ethics acts as a "bridge" between theoretical bioethics and the bed							ethics and the bedside		
Professional standards. The goal is to improve the quality of patient care by ident									
				-			rise in practice.		
							lso by laws and official		
		_		_	_	_	nal practice. Hence, this		
		1		-	which a physiotherapist is expected to follow so as				
						nile practicing p			
Course Object	ctive		1. Imparts knowledge regarding different governing bodies of the profession in India as						
		well as abroad, their guidelines and rules.  2. Familiarizes students about the different laws and rights as a physiotherapist.							
		1				and profession	ism that needs to be		
		instilled to	be a succe	ssful physioth	ierapist.				
Course Outco	omes (COs)	<u> </u>							
At the end of	, ,		ll he able t	0.					
	the course								
CO1							ntion the regulatory		
				siotherapy pr					
CO2						ce and mention	the various determinants		
				erapy professi					
Mapping of	Course Ou	itcomes (CC	Os) to Prog	ram Outcom	es (POs):				
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7		
CO1	X		X		X		X		
CO2	X		X		X		X		

	GITAM School of Physiotherapy										
Name of t	he	Bachelor	of Physiotl	herapy							
Program											
Course Ti		Introducti	on to Evid	ence Based P	ractice						
Course Co	ode										
Semester /	<b>Academic</b>	Semester	Semester 4; Year 2								
year											
Number o	f Credits	2	2								
Course Pr	erequisite	1	The students should have knowledge of search strategies and common study designs used for research								
Course Synopsis  This course introduces the concept of evidence-based practice and dwells on procedures for evidence synthesis and rationale for its utilization in Physioth practice. The students will get an opportunity to work on a short review projest summarize the evidence for a clinical case scenario.							ion in Physiotherapy				
	utcomes (CC	students to practition  Ds):	o be a life er.	long learner to			actice and enable the ned Physiotherapy				
CO1		Explain th	ne scope of	f evidence-bas	sed practice (	C2)					
CO2		Describe	the process	s of evidence	synthesis and	l utilization in c	linical practice (C2)				
CO3		Applies st	teps for evi	idence synthe	sis (C3, P1)						
Mapping	of Course O	utcomes (C	Os) to Pro	gram Outcor	nes (POs):						
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	X					X					
CO2	X					X					
CO3		X		X		X					

	GITAM School of Physiotherapy										
Name o	of the	Bachelo	or of Physioth	nerapy							
Prograi											
Course		Clinical	observation	and practice							
Course											
Semest		Semeste	Semester 4; Year 2								
Acaden	nic										
year											
Numbe		Credits	Credits 1 (Clinical Practice)								
Credits											
Course		Knowle	dge of the pa	itient care proce	ss in a hos	pital set up.					
Prerequ	uisit										
e											
Course	Synopsis		In this course, the students will begin to document the observed skills and will actively take part in evaluation of a patient under supervision. The student will have the opportunity to								
							nt will have the opportunity to				
-	01.1 .1	<u> </u>	try therapeutic skills with clients under supervision.  To provide hands of knowledge of physiotherapy documentation, and impart hands on skill								
Course	Objective						tation, and impart hands on skill				
		to demo	onstrate the le	earned therapeut	ic techniqu	ies.					
	Outcomes end of the c		dent shall be	able to:							
CO1		Begins	to evaluate a	and document pa	itient findi	ngs under su	pervision (C2, P2, A3)				
CO2		Tries to	practice the	therapeutic skill	s under su	pervision (C	2, P2, A3)				
Mappir	ng of Cours	se Outcom	es (COs) to	Program Outco	omes (POs	s):					
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	X	X	X	X	X						
COI	A	A	A	A	A						
CO2	X	X	X	X	X						

# Fifth Semester-B.P.T

			GITAM	School of P	hysiotherap	y				
Name of	the	Bachelor	of Physioth	erapy						
Progran										
Course	Гitle	Clinical (	Clinical Orthopedics &Traumatology							
Course	Code									
Semeste	r / Academic	Semester	Semester 5; Year 3							
year										
	of Credits	4								
	Prerequisite			• •	ogy, Microbio					
Course	Synopsis	I			_		on, treatment planning,			
			-	gical manage	ement strategi	es for commo	on neuro-musculoskeletal			
		disorders								
Course Objective To enhance knowledge on musculoskeletal pathologies, their medical and sur						•				
		_	management options and facilitate Physiotherapist's treatment planning for common neuro-musculoskeletal disorders as a rehabilitation team member.							
	2 / (6		sculoskeleta	al disorders	as a rehabilita	ition team me	ember.			
	Outcomes (C		1 11 1 1. 1.	. 4						
At the el	nd of the cou	rse student s	nan be abic	e to:						
CO1				eal features,	and evaluation	n of common	musculoskeletal			
		disorders	` /							
CO2		1 *	Explain the clinical decision-making process for conservative and surgical management of common musculoskeletal conditions (C2)							
CO2			Describe the conservative, surgical and post-surgical management of musculoskeletal							
7.7	0.00	condition								
Mappin	g of Course (	Jutcomes (C	Os) to Prog	gram Outco	mes (POs):					
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7			
CO1	X			X						
CO2	X			X						
CO3	X			X						
CO4										

	GITAM School of Physiotherapy
Name of the Program	Bachelor of Physiotherapy
Course Title	Clinical Neurology & Neurosurgery
Course Code	
Semester / Academic	Semester V; Year 3
year	
Number of Credits	4 Credits (Theory)
Course Prerequisite	Basic Knowledge of Neuroanatomy, Neurophysiology and Neuropathology
Course Synopsis	The course in Neurosciences over the Third year is designed to give the student an in-depth knowledge about various disorders of the Nervous system, their clinical conditions, etiopathogenesis, clinical symptomatology, differential diagnosis, and their clinical management.
	The major topics for this course include Infectious disorders, Trauma, Cerebrovascular accidents, demyelinating diseases, peripheral neuropathies, disorders of Neuromuscular junction, Muscle diseases, Degenerative disease and other miscellaneous conditions affecting the Nervous system.
Course Objective	To provide knowledge and understanding of the various disorders of the nervous system requiring neurological and neurosurgical interventions.
Course Outcomes (COs At the end of the course	e student shall be able to:
CO1	Understand and apply the knowledge for diagnosis of common Neurological conditions
CO2	Understand and interpret the various clinical signs and symptoms of a neurological disease
CO3	Differentially diagnose a neurological condition
CO4	Develop strategies for health promotion and prevention of neurological damage
CO5	clinically apply the basic knowledge of the nervous system.

			GITAM S	chool of Physi	otherapy						
Name of the		Bachelor o	f Physiother	rapy							
Program											
Course Title		General Medicine & Psychiatry									
Course Code											
Semester / Acad	lemic	Semester V	/ Year 3								
year											
Number of Cred	dits	4 Credits (	Theory)								
Course Prerequ	isite		-		hysiology of various	•					
					thology, microbiolog	-					
Course Synopsi	S				e about various medi						
Course Objectiv					ne, dermatology, pae ding various general						
Course Objectiv	ve				psychiatry to enhand						
			apy treatmer		psychiatry to ciman	oe the planning	, 01				
Course Outcom	es (CO	)s):									
At the end of th	e cours	se student sh	all be able t	to:							
CO1		Describe E	tiology, Patl	hophysiology, S	Signs &Symptoms &	Management	of the various				
					trition Deficiency co						
CO2					Signs & Symptoms, O						
				rious Rheumato	logical, Cardiovascu	llar and Respir	atory				
		Conditions	•								
CO3		Interpret C	hest X-ray,	Blood gas anal	ysis, P.F.T. findings,	Blood investig	ations done				
		for various	medical and	d Rheumatolog	ical conditions						
CO4		Describe th	e Pathonhy	eiology Signe A	& Symptoms, Clinica	al Features Ev	amination &				
CO4		1		non Skin Condit		ii reatures, Ex	ammation &				
CO5		Describe th	ne principles	of Managemer	nt at the Medical Inte	ensive Care Un	it.				
Mapping of Cou	ırse Oı	utcomes (CO	s) to Progr	am Outcomes	(POs):						
COs PO	1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	X	X	X	X	X	X	X				
	X	X	X	X	X	X	X				
	X		X X X X X								
CO4	X			X	X	X	X				
CO5	X		X	X	X	X	X				

			GITAM	School of Ph	ysiotherap	<b>y</b>						
Name of the	;	Bachelor of Physiotherapy										
Program												
Course Title	e	General St	General Surgery , Burns and Plastic Surgery									
Course Cod	e											
Semester / A	Academic	Semester 5	5; Year 3									
year												
Number of	Credits	4										
Course Pres	requisite	The studer	nts should h	ave the know	ledge of An	atomy, Physic	ology, and Pathology					
Course Syn	-	condition helps the interventi	s, the physi therapist to ons.	otherapist wo plan an appr	ould encount opriate pre-	ter in their prac operate and po	ng of the surgical ctice. This knowledge ost-operative therapeutic					
Course Obj	ective					and facilitate gical condition	Physiotherapist's s.					
Course Out At the end o	•	*	ıall be able	e to:								
CO1		Explain th	e common	indications ar	nd lists the c	ommon invest	tigations used for the					
			ocedures (C									
CO2		Explain th care (C2)	e surgical n	nanagement o	of common s	surgical condit	tions and post-surgical					
CO3		Explain th	e complicat	tions of comn	non surgical	procedures (C	C2)					
CO4		Outline the	-	n strategies aı	nd precautio	ons to be taken	for common surgical					
Mapping of	Course Ou	itcomes (CC	Os) to Prog	ram Outcom	es (POs):							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7					
CO1	X			X								
CO2	X		X									
CO3	X		X									
CO4	X			X								

			GITAM Sch	ool of Phys	iotherapy						
Name of	the	Bachelor of	f Physiotherap	у							
Program											
Course T	itle	Clinical Inv	Clinical Investigations and Radiodiagnosis								
Course C	ode										
Semester	/ Academic	Semester V	; Year 3								
year											
Number	of Credits	2 Credits (	Theory)								
Course P	rerequisite	Comprehen	sive knowled	ge of Humai	n Anatomy, Hum	nan Physiology, Bio	chemistry				
		and Physica	al and Functio	nal Diagnos	is						
Course S	ynopsis	designed to diagnostic to The major to	o give the stu tests used in c topics for this	dent an in-clinical practi	lepth knowledge ce. Cellular and Che	gnosis, over the T e about interpretation mical Analysis, Phy o diagnostic tests use	on of various sical and				
		physiothera	ру.								
Course O	bjective		ce learners ab terpretation in			tic tests used in clir	nical practice				
Course O	outcomes (CC	Os):									
	*	se student sh	all be able to:	:							
CO1		Understand	l and concentu	alize the pro	ocess of clinical	diagnosis					
CO2		Understand in physioth		the findings	of common Blo	ood analysis tests us	ed				
CO3		Perform an	d interpret var	rious Physica	al and Visual exa	amination tests					
CO4		Understand in physioth		the findings	of common elec	ctro diagnostic tests	used				
CO5		Understand in physioth	-	the findings	of common Rac	dio diagnostic tests	used				
Mapping	of Course O	outcomes (CO	s) to Progran	n Outcomes	(POs):						
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	X			X							
CO2	X			X							
CO3	X			X							
CO4	X		X								
CO5	X			X							

			GITAM Scl	hool of Physiothe	rapy						
Name of	the Program	Bachelor	of Physiotherap	y	•						
Course T	itle	Evaluative	Evaluative clinical practice and clinical reasoning								
Course C	Code										
Semester	/ Academic	Semester	VI; Year 3								
year											
	of Credits	Credits 5									
	rerequisite										
Course S	ynopsis			nts will learn abou partments and thei			edge				
				course are general nts they use in diff							
Course (	Objective			garding different r anding of multi -c							
	Outcomes (CC ad of the cours		nall be able to:								
CO1		Understan	d the basic con	cept of functioning	g of a medical	department (	C2).				
CO2		Infer the b	asics of assessr	nent, interpretation	n of investigat	tions (C2)					
CO3			d the basic converged to the dep	cept of diagnosis, artments	management a	and different s	strategies used				
Mapping	g of Course O	utcomes (CC	Os) to Program	Outcomes (POs)	):						
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	X			X							
CO2	X		X								
CO3	X			X							

### Sixth Semester-B.P.T

			GITAM	School of Phy	siotherapy						
Name of th	ne	Bachelor o	of Physiothe	erapy							
Program											
Course Tit	ele	Physiotherapy in Musculoskeletal Sciences-I									
Course Co	de										
Semester /	Academic	Semester V	VI; Year 3								
year											
Number of	f Credits	3 Credits (	Theory)								
Course Pro	erequisite	Comprehe	nsive Knov	vledge of Clini	cal Orthope	dics					
Course Syl	nopsis	The course	e "Physioth	erapy in Musc	uloskeletal S	Sciences I", ov	ver the third year, is				
		and variou	s disorders	-	oskeletal sys		otherapy management students integrate the				
Course Ob	jective	•	_	and understan	-		rapeutic evaluations				
Course Ou	tcomes (CO	s):									
	of the cours		all be able	to:							
CO1		Explain the Physiotherapy management following elective surgeries and post-traumatic musculoskeletal conditions (C2)									
Mapping o	of Course Ou	itcomes (CC	Os) to Prog	ram Outcome	es (POs):						
COs	PO1	PO2         PO3         PO4         PO5         PO6         PO7									
CO1	X			X							

GITAM School of Physiotherapy											
Name of the	Bachelor of	Bachelor of Physiotherapy									
Program											
Course Title	Physiothera	py in Neuro	ological Science	s and Paediatrics- I							
Course Code											
Semester / Academic	Semester V	; Year 3									
year											
Number of Credits	3 Credits (7										
Course Prerequisite	Comprehens	sive knowle	edge of Clinical	Neurosciences							
Course Synopsis	year is desi assessment system. The major of Demyelinati CNS, Neop other	igned to gi and physic topics for t ing disorder lasms, Epi	ive the student otherapy manage this course are rs of CNS, infec- lepsy disorders	gical Sciences and Pactor an in-depth knowledgement of various of Physiotherapy assessections disorders of CN and Developmental Nervous system.	dge about Philisorders of to ment and marks, Traumatic	hysiotherapy the Nervous magement of disorders of					
Course Objective	1. To educ various neur	ate student cological co t knowledg	ts about detaile onditions se regarding var	ed neurological physicious treatment appro-							
Course Outcomes (CC At the end of the course	se student sha										
CO1	Perform a co	omprehensi	ve Physiotherap	by assessment of Neu	rological Pation	ent					
CO2	Plan approp conditions	riate goals	for physiotherap	by treatment for vario	Plan appropriate goals for physiotherapy treatment for various neurological						
	Understand the concepts of basic neuro-rehabilitative approaches including PNF, Brunnstrom and Roods.										
CO3				o-rehabilitative approa	aches includin	ng PNF,					
CO3	Brunnstrom	and Roods and implen		o-rehabilitative approcherapy approaches ba							
CO4	Brunnstrom Understand neuronal pla Perform a co	and Roods and implen asticity omprehensi	nent the physiot	herapy approaches battal screening of a chil	ased on theoric						
CO5  Mapping of Course O	Brunnstrom Understand neuronal pla Perform a coutcomes (COs	and Roods and implent asticity comprehensity to Progra	nent the physiot  ve developmen  am Outcomes (	herapy approaches battal screening of a chil	ased on theoric	es of					
CO5  Mapping of Course Of COs PO1	Brunnstrom Understand neuronal pla Perform a co utcomes (COs	and Roods and implent asticity comprehensity to Progra PO3	nent the physiot  ive development  am Outcomes (	herapy approaches batal screening of a chil  POs):  PO5	d PO6	es of PO7					
CO4  CO5  Mapping of Course Of COs PO1  CO1 X	Brunnstrom Understand neuronal pla Perform a coutcomes (COs	and Roods and implent asticity comprehensity to Progra PO3 X	nent the physiot  ive development  am Outcomes (  PO4  X	herapy approaches batal screening of a chil  POs):  PO5  X	d PO6	es of PO7 X					
CO5  Mapping of Course Of COs PO1	Brunnstrom Understand neuronal pla Perform a co utcomes (COs	and Roods and implent asticity comprehensity to Progra PO3	nent the physiot  ive development  am Outcomes (  PO4  X  X	herapy approaches batal screening of a chil  POs):  PO5  X  X	PO6 X X	PO7 X X					
CO4  CO5  Mapping of Course Of COs PO1  CO1 X	Brunnstrom Understand neuronal pla Perform a coutcomes (COs	and Roods and implent asticity comprehensity to Progra PO3 X	nent the physiot  ive development  am Outcomes (  PO4  X	herapy approaches batal screening of a chil  POs):  PO5  X	d PO6	es of PO7 X					
CO4  CO5  Mapping of Course Of COs PO1  CO1 X  CO2 X	Brunnstrom Understand neuronal pla Perform a coutcomes (COs	and Roods and implent asticity comprehensity to Progra PO3 X X	nent the physiot  ive development  am Outcomes (  PO4  X  X	herapy approaches batal screening of a chil  POs):  PO5  X  X	PO6 X X	PO7 X X					

			GITAM	School of Pl	hysiotherapy	<i>I</i>						
Name of	the	Bachelor	of Physioth	erapy								
Progran	1											
Course 7	Γitle	Cardio-pu	Cardio-pulmonary physiotherapy in medical and surgical conditions- 1									
Course (	Code											
Semeste	r / Academic	Semester	6 / 3rd year	:								
year												
Number	of Credits	Theory -	3 credits									
Course I	Prerequisite	A basic k	nowledge al	bout anatomy	,physiology,l	piomechanics	s,exercise therapy and					
				onary sciences								
Course S	Synopsis						nensive course that					
						-	es,risk factor					
		modificat	tion and psy	_		dividuals wi	th cardio respiratory					
				(	conditions							
		This cour	sa involves	advanced etc	dies in physic	otherony nec	ctice related to the					
		Tills cours	se ilivoives				systems, including ICU					
		manageme	nt and surgi		,,•	, , , ,	oyoutino, meruumg 100					
		care										
Course (	Objective	1 *			dge on cardio	-pulmonary	assessments in various					
		medical an	d surgical c	onditions								
Course (	Outcomes (C	(Os):										
	Outcomes (C	Os): erse student s	hall be ablo	e to:								
At the en	•	rse student s			raspiratory	anditions an	d cheet physiotherapy					
	•	Understar	nd the clinic		respiratory c	onditions and	d chest physiotherapy					
At the er	•	Understar technique	nd the clinic	cal aspects of			d chest physiotherapy					
At the en	•	Understar technique	nd the clinic				d chest physiotherapy					
At the er	•	Understar technique Enlist the	nd the clinic es impairmen hysiotherap	cal aspects of	erapy accord	ingly	d chest physiotherapy  Prespiratory conditions					
CO1 CO2 CO3	•	Understant technique Enlist the Explain p and critical	nd the clinic es impairmen hysiotherap al care	eal aspects of ts and plan the	erapy accord	ingly inagement of	respiratory conditions					
CO1	•	Understant technique Enlist the Explain p and critical	nd the clinic es impairmen hysiotherap al care	eal aspects of ts and plan the	erapy accord	ingly inagement of						
CO1 CO2 CO3 CO4	•	Understar technique Enlist the Explain p and critic	impairmen hysiotherap al care	eal aspects of ts and plan th peutic techniq nysiotherapy	erapy accord ues in the ma techniques in	ingly magement of various clin	respiratory conditions ical conditions					
CO1 CO2 CO3	•	Understartechnique Enlist the Explain p and critical Demonstr	impairmenthysiotherapal care rate chest phrate the skill	ts and plan the peutic techniques of evaluation	erapy accord ues in the ma techniques in	ingly magement of various clin	respiratory conditions					
CO1 CO2 CO3 CO4 CO5	nd of the cou	Understartechnique Enlist the Explain p and critical Demonstr	impairmen hysiotherap al care rate chest ph rate the skill s and critica	ts and plan the peutic technique mysiotherapy als of evaluation care unit	nerapy accordance in the material techniques in and managements.	ingly magement of various clin	respiratory conditions ical conditions					
CO1 CO2 CO3 CO4 CO5	nd of the cou	Understar technique Enlist the Explain p and critice Demonstr	impairmen hysiotherap al care rate chest ph rate the skill s and critica	ts and plan the peutic technique mysiotherapy als of evaluation care unit	nerapy accordance in the material techniques in and managements.	ingly magement of various clin	respiratory conditions ical conditions					
CO1 CO2 CO3 CO4 CO5 Mapping	g of Course (	Understar technique Enlist the Explain p and critice Demonstr Condition  Dutcomes (C	impairmen hysiotherap al care rate chest ph rate the skill s and critica Os) to Prog	ts and plan the peutic technique mysiotherapy als of evaluational care unit	nerapy accordance in the management (POs):	ingly inagement of various clin gement in var	respiratory conditions ical conditions rious respiratory					
CO2 CO3 CO4 CO5 Mapping COs CO1	g of Course (	Understar technique Enlist the Explain p and critice Demonstr Condition  Dutcomes (C	impairmen hysiotherap al care rate chest ph rate the skill s and critica Os) to Prog	ts and plan the peutic technique hysiotherapy als of evaluational care unit gram Outcome PO4  X	nerapy accordance in the management (POs):	ingly inagement of various clin gement in var	respiratory conditions ical conditions rious respiratory					
CO2 CO3 CO4 CO5 Mapping COs CO1 CO2	g of Course (	Understar technique Enlist the Explain p and critical Demonstration Condition  Dutcomes (Condition PO2	impairmen hysiotherap al care rate chest ph rate the skill s and critica Os) to Prog	ts and plan the peutic technique mysiotherapy als of evaluational care unit gram Outcome PO4  X  X	nerapy accordance in the management (POs):	ingly inagement of various clin gement in var	PO7					
CO2 CO3 CO4 CO5 Mapping COs CO1 CO2 CO3	g of Course (	Understar technique Enlist the Explain p and critic. Demonstr condition Outcomes (C	impairmen hysiotherap al care rate chest ph rate the skill s and critica Os) to Prog	ts and plan the peutic technique hysiotherapy als of evaluational care unit gram Outcome PO4  X  X  X	nerapy accordance in the management (POs):	ingly inagement of various clin gement in var	PO7  PO7					
CO2 CO3 CO4 CO5 Mapping COs CO1 CO2	g of Course (	Understar technique Enlist the Explain p and critical Demonstration Condition  Dutcomes (Condition PO2	impairmen hysiotherap al care rate chest ph rate the skill s and critica Os) to Prog	ts and plan the peutic technique mysiotherapy als of evaluational care unit gram Outcome PO4  X  X	nerapy accordance in the management (POs):	ingly inagement of various clin gement in var	PO7					

GITAM School of Physiotherapy										
Name of th	e	Bachelor of Physiotherapy								
Program										
Course Titl	le	Physic	otherapy Clinical Pr	ractice in Mu	sculoskeletal	Sciences-I				
Course Coo	de									
Semester / A	Academic	Semes	ster VI; Year 3							
year										
Number of	Credits	2 Cred	dits (Practical)							
Course Pre	requisite	Comp	rehensive Knowled	ge of Clinica	l Orthopedic	S				
Course Syn	opsis	The co	ourse "Physiotherap	y clinical pr	actice in Mus	culoskeletal S	ciences I", over the			
		third y	ear, is designed to	give a studer	t an in-depth	hands on exp	erience about			
		physic	otherapy manageme	ent and variou	ıs disorders o	of the musculo	skeletal system.			
Course Obj	jective		in-depth practical kno skeletal disorfders	wledge and ha	ands on training	g for physiother	rapy management of various			
Course Out	tcomes (CO	s):								
At the end	of the cours	e stude	nt shall be able to:							
CO1		Display the comprehensive evaluation and plan physiotherapy management in musculoskeletal conditions (Post-traumatic and elective orthopedic surgeries) (C2, P3, A2)								
Mapping of	f Course Ou	itcomes	(COs) to Program	Outcomes	(POs):					
COs	PO1	PO2	PO2 PO3 PO4 PO5 PO6 PO7							
CO1	X			X						

			GITAM Sci	hool of Physic	otherapy						
Name of	the	Bachelor of	Bachelor of Physiotherapy								
Program											
Course T	itle	Physiothera	Physiotherapy Clinical Practice in Neurological Sciences and Paediatrics- I								
Course C	ode										
Semester	/ Academic	Semester V	T; Year 3								
year											
Number	of Credits	2 Credits (	Practical)								
Course P	rerequisite	Comprehen	sive knowled	lge of Clinica	l Neurosciences						
Course S	ynopsis	Paediatrics on knowle managemen The major Demyelinat CNS, Neop	I, over the adge about int of various of topics for thing disorders blasms, Epile	Third year is methods of disorders of the is course are of CNS, infectory disorders	al Practice in Neudesigned to give the sephysiotherapy assess are Nervous system.  Physiotherapy assess ctious disorders of CN and Developmentaling the Nervous system	student an in- ment and p ment and ma VS, Traumatic disorders of	depth Hands hysiotherapy nagement of disorders of				
Course O	Objective Outcomes (CO	- To give appropriate	hands on p	oractice on l	now to access a ne erapy treatment protoc	urological co	ondition and				
	d of the cour	se student sh									
CO1		Perform a c	comprehensiv	e Physiothera	py assessment of Neu	rological Pati	ent				
CO2		Plan and de conditions	esign appropri	iate goals for	physiotherapy treatme	ent in various	neurological				
CO3		Demonstrate and Roods.	te the basic ne	euro-rehabilita	ative approaches inclu	ding PNF, Br	runnstrom				
CO4		Implement	the physiothe	erapy approac	hes based on theories	of neuronal p	lasticity				
CO5		Perform a c	comprehensiv	e developmer	ntal screening of a chil	d					
Mapping	of Course O	utcomes (CO	s) to Prograi	m Outcomes	(POs):						
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	X		X	X	X	X					
CO2	X	X	X X X X X X								
CO3	X		X	X	X	X	X				
CO4	X		X X X								
CO5	X			X	X	X	X				

			GITAM School	of Physiother	apy						
Name of	the	Bachelor of	Physiotherapy								
Program											
Course T	itle	Clinical Prac	Clinical Practice in Cardiovascular and Pulmonary Physiotherapy -I								
Course C	ode										
Semester	/	Semester VI	; Year 3								
Academi	c										
year											
	of Credits	Credits 2(pr									
Course P	rerequisite	Comprehens	sive Knowledge of	Medical and S	urgical Condi	tions.					
Course S	ynopsis	methods of of various di The Major to managemen	rse, the students wi cardio-respiratory p isorders in medical opics of this course t of respiratory disc iscellaneous conditi	ohysiotherapy and surgical c are Cardio-Rorders of lungs	assessment an onditions. espiratory Phy , infectious di	d physiothera vsiotherapy as sorders of hea	py management sessment and art and lungs				
Course C	<b>D</b> bjective		nsic practical knowledge intervention in various				sments and				
	outcomes (Cod of the cou	rse student sh	all be able to:	o_respiratory	ahysiotherany	assessment f	or medical and				
COI		surgical con		o-respiratory	onysiomerapy	assessment i	or iniculcal and				
CO2			sign appropriate goalical and surgical co		respiratory ph	ysiotherapy tr	reatment in				
CO3		techniques to	e basic cardio-respi o increase lung volu o decrease the work	ume, airway c	learance techn						
Mapping	of Course C	Outcomes (CO	s) to Program Out	tcomes (POs)	:						
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	X			X							
CO2	X		X								
CO3	X			X							
		1	<u> </u>				ļ				

			GITAM	School of Ph	ysiotherapy					
Name of t	he	Bachelor of	Bachelor of Physiotherapy							
Program										
Course Ti	tle	PATIENT SAFETY AND QUALITY IN HEALTHCARE								
Course Co	ode									
Semester /	/ Academic	VI Semest	er/Academ	ic year III						
year										
Number o	f Credits	2								
Course Pr	erequisite	Students s	hould have	acquired know	wledge on Hu	ıman anatomy,	physiology,			
							tically and practically			
							Pediatrics, OBG etc.			
Course Sy	nopsis			dents learn the	following ba	sics on:				
		1	Quality and							
				care and life su						
		1			_		tect the environment.			
			-	evention and c	ontrol and ris	ks of antibiotic	resistance and how to			
		I	ninimise it.	1	. 1.					
G 01						ts importance.	14 0 7 1			
Course Ol	bjective						althcare, familiarize the Biomedical waste			
						nd disater mana				
		111411454111	,	ii provonom v	• • • • • • • • • • • • • • • • •	TO GLOWING	,5°			
	utcomes (CO	*								
At the end	l of the cours	se student sl	ıall be able	e to:						
CO1		Define the	basic conc	epts, standard	s, norms and	tools used to p	rovide quality in			
		healthcare	and the rol	e of NABH in	it.	•				
CO2		Describe t	heir unders	tanding with t	he basics of e	mergency care	and present their			
		skills on li	fe support i	manoeuvres.						
CO3		Identify th	e various ty	pes of Biome	dical waste a	nd its managen	nent, and learn the			
		appropriat	e measures	to protect one	self and the e	environment.				
CO4							nd control, the various			
							antibiotic resistance			
				ed in hospitals						
CO5		1		·	s and categor	ize the various	concepts covered			
34 .	6.0		ster manage		(BO.)					
				ram Outcom						
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7			
CO1	X	X		X		X				
CO2	X	X								
CO3	X									
CO4	X	X		X						
CO5	X									
			<u> </u>	<u> </u>	1	<u> </u>				

			GITA	M School of	Physiotherap	y						
Name of	f the	Bachelo	or of Physio	therapy								
Progran												
Course '		Introdu	Introduction to Research Methods, Biostatistics and Research Protocol									
Course												
Semeste	r / Academio	Semest	er 6; Year 3									
year												
	of Credits	4										
Course 1	Prerequisite	1	dent should ce Based Pra		nowledge on s	earch strategi	es in databases and					
Course	Synopsis	biostati field of relevan	stics. The st physiothera t regulatory	udent will be py, formulate authorities b	guided to iden e a research pr ased on resear	ntify a researce otocol and ap oth questions a	h care research and th question relevant to the ply for approval from and methods adopted.					
Course	Objective  Outcomes (Cond of the cou	2. To pr	rovide hands	on experien	·		esearch and biostatistics g a research protocol.					
CO1		Outline	research me	ethods suitab	le for a researc	ch question (C	C2)					
CO2		Relates	statistical n	nethods and i	nterprets the re	esult analysis	(C2)					
CO3		Identifi	es a researcl	n question an	d prepares a re	esearch protoc	col (C3, P2)					
Mappin	g of Course	Outcomes (	(COs) to Pro	ogram Outc	omes (POs):							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7					
CO1	X			X								
CO2	X		X									
CO3		X	X									

GITAM School of Physiotherapy										
Name of t	he	Bachelor	of Physioth	erapy						
Program										
Course Ti		Pain Scien	nces							
Course Co	ode									
Semester /	<b>Academic</b>	Semester	6; Year 3							
year										
Number o	f Credits	1 (Theory	), 1 (Practio	eal)						
Course Pr	erequisite		_			siology, skill ii	n principles of exercise			
		1 1	therapy and electro-physical modalities.							
Course Sy	Course Synopsis This course will help the student to understand the mechanisms, assessment, and									
		management strategies for acute and chronic pain								
Course Ol	Course Objective To provide theoritical basis and hands on experience to begin managing pain in physiotherapy practice.						n managing pain in			
		1 1 1	rapy practic	e.						
	utcomes (Co									
At the end	l of the cour	se student s	hall be able	e to:						
CO1		Explains t	the peripher	al and central	mechanism	s of Pain (C2)				
CO2		Identifies	outcome m	easures for th	e assessmen	t of chronic pa	ain (C2, A3)			
CO3		Plans com	prehensive	treatment pla	n for the ma	nagement of o	chronic pain (C3, A3)			
Mapping	of Course O	outcomes (Co	Os) to Prog	ram Outcon	nes (POs):					
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7			
CO1	X									
CO2	X									
CO3	X									

			GITAM Sch	nool of Physic	otherapy						
Name of th	ie	Bachelor of	Physiotherap	y							
Program											
Course Tit	le	Balance Re	habilitation								
Course Co	de										
Semester /	Academic	Semester V	I; Year 3								
year Number of	Cuadita	2 Cradita (1	2 Credits (1-Theory + 1- Practical)								
		· ·				ialaan and M					
Course Pro		Comprehensive Knowledge of Neuroanatomy, Neurophysiology and Neuropathology The course, Balance Rehabilitation over the Third year is designed to give the student									
Course Syn	nopsis	an in-depth knowledge about the understanding of Balance, its assessment and preparing goals for retraining of balance in various conditions with balance dysfunction.									
Course Ob	To provide theoretical and hands on knowledgge to understand and perform balance assessment and balance training in various conditions with balance dysfunction.										
	tcomes (CO of the cours	*	all be able to:								
CO1		Describe both central and peripheral sensory and motor components of the postural control system.									
CO2			only used bala ate, and high l		distinguish which ion	h are appropriat	e for clients at				
CO3		Analyze the balance.	e interaction o	f individual, t	ask, and environr	nental factors th	nat affect				
CO4		Describe ho	ow to plan and	l progress bala	ance exercise pro	grams					
CO5			ow to facilitate rol of balance	_	nd central nervou dizziness.	is system reorga	nization to				
Mapping o	f Course Ou	itcomes (COs	s) to Progran	n Outcomes (	POs):						
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	X										
CO2	X			X							
CO3	X			X							
CO4	X			X							
CO5	X			X							

## Seventh Semester-B.P.T

Rame of the Program									
Course Title Course Code Semester / Academic year Number of Credits Course Prerequisite Course Synopsis Course Credits Course Cylinical Orthopedics and "PT in Musculoskeletal Sciences II", over the fourth year, is designed to give a student an in-depth knowledge about physiotherapy management and various disorders of the musculoskeletal system. Here the students integrate the knowledge gained in Clinical Orthopedics and PT in Musculoskeletal Sciences I	Bachelor of Physiotherapy								
Course Code  Semester / Academic year  Number of Credits  Course Prerequisite  Course Synopsis  Course Synop									
Semester / Academic year     Number of Credits   3 Credits (Theory)     Course Prerequisite   Comprehensive Knowledge of "Clinical Orthopedics" and "PT in Musculoskeletal Sciences I" learnt in the previous years     Course Synopsis   The course "Physiotherapy in Musculoskeletal Sciences II", over the fourth year, is designed to give a student an in-depth knowledge about physiotherapy management and various disorders of the musculoskeletal system. Here the students integrate the knowledge gained in Clinical Orthopedics and PT in Musculoskeletal Sciences I									
year       Number of Credits       3 Credits (Theory)         Course Prerequisite       Comprehensive Knowledge of "Clinical Orthopedics" and "PT in Musculoskeletal Sciences I" learnt in the previous years         Course Synopsis       The course "Physiotherapy in Musculoskeletal Sciences II", over the fourth year, is designed to give a student an in-depth knowledge about physiotherapy management and various disorders of the musculoskeletal system. Here the students integrate the knowledge gained in Clinical Orthopedics and PT in Musculoskeletal Sciences I									
Number of Credits       3 Credits (Theory)         Course Prerequisite       Comprehensive Knowledge of "Clinical Orthopedics" and "PT in Musculoskeletal Sciences I" learnt in the previous years         Course Synopsis       The course "Physiotherapy in Musculoskeletal Sciences II", over the fourth year, is designed to give a student an in-depth knowledge about physiotherapy management and various disorders of the musculoskeletal system. Here the students integrate the knowledge gained in Clinical Orthopedics and PT in Musculoskeletal Sciences I									
Course Prerequisite  Comprehensive Knowledge of "Clinical Orthopedics" and "PT in Musculoskeletal Sciences I" learnt in the previous years  The course "Physiotherapy in Musculoskeletal Sciences II", over the fourth year, is designed to give a student an in-depth knowledge about physiotherapy management and various disorders of the musculoskeletal system. Here the students integrate the knowledge gained in Clinical Orthopedics and PT in Musculoskeletal Sciences I									
Sciences I" learnt in the previous years  Course Synopsis  The course "Physiotherapy in Musculoskeletal Sciences II", over the fourth year, is designed to give a student an in-depth knowledge about physiotherapy management and various disorders of the musculoskeletal system. Here the students integrate the knowledge gained in Clinical Orthopedics and PT in Musculoskeletal Sciences I									
Course Synopsis  The course "Physiotherapy in Musculoskeletal Sciences II", over the fourth year, is designed to give a student an in-depth knowledge about physiotherapy management and various disorders of the musculoskeletal system. Here the students integrate the knowledge gained in Clinical Orthopedics and PT in Musculoskeletal Sciences I	Comprehensive Knowledge of "Clinical Orthopedics" and "PT in Musculoskeletal								
designed to give a student an in-depth knowledge about physiotherapy management and various disorders of the musculoskeletal system. Here the students integrate the knowledge gained in Clinical Orthopedics and PT in Musculoskeletal Sciences I	Sciences I" learnt in the previous years								
and various disorders of the musculoskeletal system. Here the students integrate the knowledge gained in Clinical Orthopedics and PT in Musculoskeletal Sciences I	;								
knowledge gained in Clinical Orthopedics and PT in Musculoskeletal Sciences I									
	e								
learnt in the previous years.									
· · ·									
Course Objective To gain in-depth theoretical knowledge about physiotherapy assessment and									
management of various musculoskeletal conditions									
Course Outcomes (COs):									
At the end of the course student shall be able to:									
Explain the physiotherapy management for soft tissue conditions, infectious									
conditions, metabolic condition of the musculoskeletal system (C2)									
Mapping of Course Outcomes (COs) to Program Outcomes (POs):									
COs PO1 PO2 PO3 PO4 PO5 PO6 PO7									
CO1 X X									

			GITAM S	chool of Physi	iotherapy					
Name of	the	Bachelor of	f Physiother	rapy						
Program										
Course T	itle	Physiothera	apy in Neur	ological Scienc	es and Paediatrics-	II				
Course C	ode									
Semester	/ Academic	Semester V	II; Year 4							
year										
Number	of Credits	3								
Course P	rerequisite	1 *		edge of Clinica Neurological c	l Neurosciences and onditions.	l basic Physioth	erapy			
Course S	ynopsis	Neurologic The studen and applica	This course is in continuation with the previous semester course Physiotherapy in Neurological Sciences and pediatrics – I.  The student learns about further more theories & approaches of neuro-rehabilitation and application of technology in neuro-rehab. Also the couse gives knowledge regarding physiotherapeutic treatment in various neurological conditions.							
Course C	1.To educate students about detailed neurological physiotherapy assessment in various neurological conditions 2. To impart knowledge regarding various treatment approaches and treatment plans in specific neurological conditions									
At the en	Outcomes (CO d of the cour	se student sh								
CO1		Understand	I the various	s theories of mo	otor control & motor	learning				
CO2		Understand Motor relea			ro-rehabilitative app	roaches includi	ng NDT and			
CO3		Understand rehabilitation		s advanced phy	siotherapeutic appli	cations in neuro	)-			
CO4		Plan appropronditions	priate goals	for physiothera	apy treatment for va	rious neurologi	cal			
CO5		conditions	•		apy treatment for va	rious paediatric	neurological			
Mapping	of Course O	utcomes (CO	s) to Progr	am Outcomes	(POs):					
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7			
CO1	X	X	X	X	X	X	X			
CO2	X	X	X	X	X	X	X			
CO3	X		X	X	X	X	X			
CO4	X			X	X	X	X			
CO5	X		X	X	X	X	X			

Name a C			GITAM	School of Ph	ysiotherapy	y	
Name of t	the	Bachelor	of Physioth	erapy			
Program							
Course T	itle	Cardio-pu	lmonary ph	ysiotherapy i	n medical ar	nd surgical con-	ditions- 2
Course C	ode						
Semester	/ Academic	Semester	7 / 4th year				
year							
Number		Theory - 3					
Course P	rerequisite		_	oout anatomy, nary sciences		biomechanics,e	exercise therapy and
Course Synopsis  The course in Cardio respiratory physiotherapy is a comprehensive course that includes but is not limited to physical and breathing exercises, risk factor modification and psychological condition of individuals with cardio respiratory conditions. This course involves advanced studies in physiotherapy practice relate to the pulmonary, cardiac and vascular systems, including ICU management and surgical care							
Course Objective To provide theorictical knowledge on cardio-pulmonary intervention protocols in various medical and surgical conditions  Course Outcomes (COs):							
Course O	outcomes (C	Os):					
	,	Os): rse student sl	hall be able	e to:			
	,	rse student s			cardio vascu	lar and chronic	: diseases
At the en	,	Understan	nd the clinic				c diseases
At the end	,	Understan Enlist the	nd the clinic impairment hysiotherap	al aspects of	erapy accord	lingly	e diseases lio vascular and chronic
CO1	,	Understan Enlist the Explain pl conditions Demonstr	nd the clinic impairment hysiotherap	al aspects of its and plan the eutic techniquesiotherapy ass	erapy accord	lingly anagement card	
CO1 CO2 CO3	,	Enlist the  Explain ple conditions  Demonstre cardio vas	impairment hysiotherap s ate the physicular impair	al aspects of its and plan the eutic techniques iotherapy ass	erapy accordues in the massessment and	lingly anagement carc	lio vascular and chronic
CO1 CO2 CO3 CO4 CO5	d of the cour	Enlist the  Explain ple conditions  Demonstre cardio vas	impairment hysiotherap s ate the phys scular impai ate the skill	al aspects of its and plan the eutic techniques iotherapy assuments s of evaluation	erapy accordues in the massessment and	lingly anagement carc	lio vascular and chronic
CO1 CO2 CO3 CO4 CO5	d of the cour	Enlist the  Explain ple conditions  Demonstre cardio vas  Demonstre	impairment hysiotherap s ate the phys scular impai ate the skill	al aspects of its and plan the eutic techniques iotherapy assuments s of evaluation	erapy accordues in the massessment and	lingly anagement carc	lio vascular and chronic
CO1 CO2 CO3 CO4 CO5 Mapping	of Course C	Enlist the  Explain ple conditions Demonstre cardio vas Demonstre Dutcomes (Control of the conditions)	impairment hysiotherap s ate the phys scular impai ate the skill Os) to Prog	al aspects of its and plan the eutic techniques isotherapy assiments is of evaluation	erapy accordues in the massessment and managemes (POs):	lingly anagement carc I treatment tech	lio vascular and chronic iniques in various ific chronic diseases
CO1 CO2 CO3 CO4 CO5 Mapping COs	of Course C	Enlist the  Explain ple conditions Demonstre cardio vas Demonstre Dutcomes (Control of the conditions)	impairment hysiotherap s ate the phys scular impai ate the skill Os) to Prog	al aspects of its and plan the eutic techniques in the rapy assuments is of evaluation aram Outcon	erapy accordues in the massessment and managemes (POs):	lingly anagement carc I treatment tech	lio vascular and chronic iniques in various ific chronic diseases
CO1 CO2 CO3 CO4 CO5 Mapping COs CO1	of Course C	Understan Enlist the Explain pl conditions Demonstr cardio vas Demonstr Outcomes (CO	impairment hysiotherap s ate the phys scular impai ate the skill Os) to Prog	al aspects of its and plan the eutic techniques in the rapy assuments is of evaluation aram Outcon PO4	erapy accordues in the massessment and managemes (POs):	lingly anagement card I treatment tech gement in spec	lio vascular and chronic iniques in various ific chronic diseases
CO1 CO2 CO3 CO4 CO5 Mapping COs CO1 CO2	of Course C	Understand Enlist the Explain place conditions Demonstrated cardio vas Demonstrated Company (Company Company C	impairment hysiotherap s ate the phys scular impai ate the skill Os) to Prog	al aspects of its and plan the eutic techniques in the rapy assuments is of evaluation aram Outcon PO4	erapy accordues in the massessment and managemes (POs):	lingly anagement card I treatment tech gement in spec	lio vascular and chronic nniques in various ific chronic diseases  PO7

GITAM School of Physiotherapy										
Name of the	ne	Bachelor of	of Physiothe	erapy						
Program										
Course Tit	tle	PT CLINI	CAL PRAC	CTICE IN M	USCULOSK	ELETAL SCIE	ENCES-II			
Course Co	de									
Semester /	Academic	Semester '	VII; Year 4							
year										
Number of	f Credits	2 Credits (	(clinical)							
Course Pr	erequisite	Comprehe	Comprehensive Knowledge of "Clinical Orthopedics" and "PT in Musculoskeletal							
		Sciences I	Sciences I" learnt in the previous years							
Course Sy	nopsis	The course "Physiotherapy in Musculoskeletal Sciences II", over the fourth year, is								
		designed to give a student an in-depth knowledge about physiotherapy management								
		and various disorders of the musculoskeletal system. Here the students integrate the								
		knowledge gained in Clinical Orthopedics and PT in Musculoskeletal Sciences I								
			he previous							
Course Ob	jective	_		-		siotherapy man	agement of various			
		disorders of	the muscul	loskeletal sys	stem.					
Course Or	itcomes (CO	)e)•								
	of the cours	,	hall he ahle	to:						
	or the cours									
CO1		l	-		1 2	therapy manage	ement for			
		<u> </u>		litions (C2, P						
Mapping of	of Course O	itcomes (CC	Os) to Prog	ram Outcor	nes (POs):					
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7			
CO1	X	X	X	X		X				

		GITAM So	chool of Phys	iotherapy						
Name of the	Bachelor of	f Physiothera	ару							
Program										
Course Title	Physiothera	apy Clinical	Practice in No	eurological Sciences	and Paediatrics	- II				
Course Code										
Semester / Academic	Semester V	II; Year 4								
year										
Number of Credits	2 Credits (I	,								
Course Prerequisite				al Neurosciences and	l basic Physioth	erapy				
		assessment formats of Neurological conditions.  This course gives the student the knowledge to plan physiotherapy treatment in								
Course Synopsis										
	various neurological conditions by applying various neurological rehabilitative approaches.									
Course Objective										
Course Objective			py treatment		nation and dev	crop un				
Course Outcomes (C		1 /								
At the end of the cou	rse student sh	all be able t	o:							
CO1	Perform a comprehensive Physiotherapy assessment of Neurological Patient									
CO2	Plan and design appropriate goals for physiotherapy treatment in various neurologica conditions									
CO3	Demonstration and Roods.		neuro-rehabili	tative approaches in	cluding PNF, Bi	runnstrom				
CO4	Implement	the physioth	erapy approa	ches based on theorie	es of neuronal p	lasticity				
CO5	Perform a c	comprehensi	ve developme	ental screening of a c	hild					
Mapping of Course (	Outcomes (CO	s) to Progra	m Outcomes	s (POs):						
COs PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1 X		X	X	X	X					
CO2 X	X	X	X	X	X	X				
CO3 X		X	X	X	X	X				
CO4 X			X	X	X	X				
CO5 X			X	X	X	X				

GITAM School of Physiotherapy											
Name of the	Bachelor of	Physiotherapy	-								
Program											
Course Title		ctice in Cardio-Pulmo	nary Physio	therapy for M	edical and						
	Surgical Co	nditions-2									
Course Code											
Semester /	Semester V	II; Year 4									
Academic											
year											
Number of Credits	Credits 2(pr										
Course Prerequisite	<del></del>	sive Knowledge of Me									
Course Synopsis											
	methods of cardio-respiratory physiotherapy assessment and physiotherapy manageme										
of various disorders in medical and surgical conditions.											
	The Major topics of this course are Cardio-Respiratory Physiotherapy assessment and										
	management of respiratory disorders of lungs, infectious disorders of heart and lungs										
Course Objective	and other miscellaneous conditions affecting the cardio-respiratory systems.  Course Objective  To enhance practical knowledge and hands on skills for cardio-pulmonary intervention										
Course Objective		practical knowledge a nedical and surgical co		i skilis loi carc	no-pulmonai	y interventions					
	III various ii	iedicai and surgicai co	ilaitions								
Course Outcomes (C At the end of the cou		all he able to									
At the end of the cou	rse student sn	an be able to:									
CO1	Perform a co	omprehensive cardio-r	espiratory p	hysiotherapy	assessment fo	or medical					
	and surgical		1 11	, ,,							
~~			2 1:								
CO2		sign appropriate goals		espiratory phy	siotherapy tr	eatment in					
	various med	lical and surgical cond	itions.								
CO3	Demonstrate	e basic cardio-respirate	orv rehabilit	ative approacl	nes which inc	ludes					
		o increase lung volum				1440					
		by techniques to decre									
Mapping of Course Outcomes (COs) to Program Outcomes (POs):											
Mapping of Course (	outcomes (CO	CO. DOI DOI DOI DOI DOI DOI									
COs PO1	PO2	PO3	PO4	PO5	PO6	PO7					
	•	PO3			PO6	PO7					
	•	PO3			PO6	PO7					
COs PO1 CO1 X	•	PO3	PO4		PO6	PO7					
COs PO1	•	PO3	PO4		PO6	PO7					
COs PO1 CO1 X	•	PO3	PO4		PO6	PO7					

GITAM School of Physiotherapy										
Name of t	he	Bachelo	r of Physiotl	herapy						
Program										
Course Ti	tle	Fundam	entals of Yo	ga – Theory	and Practice					
Course Co	ode									
Semester year	/ Academic	Semeste	Semester 6; Year 3							
Number o	of Credits	Theory -	Theory -1; Practical - 1							
Course Pi	rerequisite	Basic knowledge on Anatomy and Physiology and Exercise Therapy								
Course Synopsis  This course will provide the student the understanding of fundamentals of therapy and help them to relate the principles of Yoga with exercise therapy					, ,					
Course O	bjective		To impart knowledge and understanding of YOGA and its application in exercise prescription.							
	utcomes (CO l of the cour	*	shall be ab	le to:						
CO1		Explain	philosophy	and concept	s of Yoga (C2)					
CO2		Display (C2, P4)	_	es and expla	nin their benefi	ts, precaution	as and contraindications			
Mapping	of Course O	outcomes (C	COs) to Pro	gram Outco	omes (POs):					
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7			
CO1	X									
CO2	X									

			GITAM S	chool of Phys	iotherapy					
Name of	the	Bachelor o	f Physiother	apy						
Program	1									
Course 7	Γitle	Differentia	l Diagnosis a	and Clinical R	teasoning					
Course (	Code									
Semeste	r / Academic	Semester V	/II; Year 4							
year										
Number	of Credits	2 Credits (	(Theory)							
Course l	Prerequisite	Comprehe	nsive knowle	edge of Clinic	al Neurosciences,	Clinical Orthopaed	ics,			
			General Medicine and General Surgery  The course, Differential Diagnosis and Clinical Reasoning, over the fourth year is							
Course S	Synopsis									
			designed to give the student an in-depth knowledge about Differential diagnosis of							
Course	Objective	neurological and musculoskeletal system.  To impart knowledge, understanding and hands on practice to perform various tests								
Course	Dijective	to differentially diagnose common neurological and musculoskeletal system								
		disorders.	· · · · · · · · · · · ·							
Course (	Outcomes (CO	Os):								
At the er	nd of the cour	se student sh	all be able t	0:						
CO1		Understand	d the importa	nce of differe	ntial diagnosis in	the clinical assessm	ent			
CO2		Incorporate differential diagnosis in Neurological evaluation								
CO3		Incorporate	e differential	diagnosis in	Musculoskeletal e	valuation				
CO4			knowledge o		diagnosis in diagn	osis and plan of ma	nagement			
		III IVCUIOIO	gicai conditi	0113						
CO5			_		diagnosis in diagn	osis and plan of ma	nagement			
		in Musculo	oskeletal con	ditions						
Mapping	g of Course O	outcomes (CC	s) to Progra	ım Outcomes	s (POs):					
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7			
CO1	X			X						
CO2	X			X						
CO3	X			X						
CO4	X			X						
CO5	X			X						

GITAM School of Physiotherapy										
Name of the	Bachelo	or of Physiot	herapy							
Program										
Course Title	Researc	h data collec	ction							
Course Code										
Semester / Academic	e Semeste	Semester 7; Year 4								
year										
Number of Credits	2 (Pract	2 (Practical), 1 (Clinical)								
Course Prerequisite	The stud	dent should	have basic ki	nowledge on s	earch strategic	es in databases, research				
	method	methods and should have proposed a research protocol								
Course Synopsis This course introduces common terminologies used in health care research and						n care research and				
biostatistics. The student will be guided to identify a research question relevant						h question relevant to the				
				•		ply for approval from				
	relevant regulatory authorities based on research questions and methods adopted.									
Course Objective	1 *	To provide opportunity and hands on experience for research data collection								
	methods	S.								
Course Outcomes (C			_							
At the end of the cou	ırse student	shall be ab	le to:							
CO1	Display	s data collec	tion and org	anizes the data	for future pu	rposes (C3, P4, A3)				
Mapping of Course	Outcomes (	COs) to Pro	gram Outco	omes (POs):						
COs PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	X	X	X	X						

# Eighth Semester-B.P.T

			GITAM School of F	Physiothera	ру						
Name of th	ie	Bachelor of	Physiotherapy	-							
Program											
Course Tit		Community	medicine								
Course Co			- W								
Semester /	Academic	Semester vii	i; Year 4								
year											
Number of	Credits	Credits 3(the	Credits 3(theory)								
Course Pre	erequisite	Basic Know	Basic Knowledge (Pre-University level) of Biology, Physics and Chemistry								
Course Syr	nopsis	- In this course, the students will learn to demonstrate an understanding of various aspects of health and disease, list the methods of health administration, health education and disease preventive measures									
Course Ob	jective	1)To familiarize the learner with basic principles of health and disease     2) To make learner understand about various peventive measures of diseases for overall golbal health									
	Course Outcomes (COs): At the end of the course student shall be able to:										
CO1		Understand the basic concept of Health & Disease, Epidemiology, Socio-Economic & Cultural Issues related to Morbidity owing to the Physical Disability, (C2).									
CO2		Infer the bas waste manag	sics of Demography angement (C2)	d Family P	lanning, Occupat	ional Heal	th, Hospital				
CO3			n Disaster Managemen Ith programmes in Ind		lucation, Mental	Health, Nu	trition and				
Mapping o	f Course Ou	itcomes (COs	s) to Program Outcom	nes (POs):							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	X			X							
CO2	X			X							

Name of the Program   Bachelor of Physiotherapy   Course Title   Physiotherapy in Community	Course Title Course Code emester / Academic ear fumber of Credits Course Prerequisite Course Synopsis							
Course Prerequisite  Course Synopsis  - In this course, the students will learn the general concepts about health, disease an physical fitness, physiology of aging process and its influence on physical fitness, national policies for the rehabilitation of disabled – role of PT.  The strategies to access prevalence and incidence of various conditions responsible increasing morbidity in the specific community – role of PT in improving morbidity expected clinical and functional recovery, reasons for non-compliance in specific community environment solution for the same.  Course Objective  To impart theoritical knowledge on health care delivery systems, global health parameters and community health rehabilitation in terms of reintegration into societ  Course Outcomes (COs):  At the end of the course student shall be able to:  Understand the basic concept of CBR, Geriatrics, Industrial Health(C2).  CO2  Infer the basics of Fitness and Health Promotions, Principles of Community based	course Code emester / Academic ear fumber of Credits course Prerequisite course Synopsis							
Semester / Academic year   Semester VIII; Year 4	emester / Academic ear fumber of Credits Course Prerequisite Course Synopsis							
Number of Credits   Credits 3(theory)	ear fumber of Credits fourse Prerequisite fourse Synopsis							
Course Prerequisite  Basic Knowledge (Pre-University level) of Biology, Physics and Chemistry  - In this course, the students will learn the general concepts about health, disease amphysical fitness, physiology of aging process and its influence on physical fitness, national policies for the rehabilitation of disabled – role of PT. The strategies to access prevalence and incidence of various conditions responsible increasing morbidity in the specific community – role of PT in improving morbidity expected clinical and functional recovery, reasons for non-compliance in specific community environment solution for the same.  Course Objective  To impart theoritical knowledge on health care delivery systems, global health parameters and community health rehabilitation in terms of reintegration into societ  Course Outcomes (COs):  At the end of the course student shall be able to:  Understand the basic concept of CBR, Geriatrics, Industrial Health(C2).  Infer the basics of Fitness and Health Promotions, Principles of Community based	Course Prerequisite							
Course Synopsis  - In this course, the students will learn the general concepts about health, disease and physical fitness, physiology of aging process and its influence on physical fitness, national policies for the rehabilitation of disabled – role of PT.  The strategies to access prevalence and incidence of various conditions responsible increasing morbidity in the specific community – role of PT in improving morbidity expected clinical and functional recovery, reasons for non-compliance in specific community environment solution for the same.  Course Objective  To impart theoritical knowledge on health care delivery systems, global health parameters and community health rehabilitation in terms of reintegration into societ  Course Outcomes (COs):  At the end of the course student shall be able to:  Understand the basic concept of CBR, Geriatrics, Industrial Health(C2).  Infer the basics of Fitness and Health Promotions, Principles of Community based	ourse Synopsis							
physical fitness, physiology of aging process and its influence on physical fitness, national policies for the rehabilitation of disabled – role of PT.  The strategies to access prevalence and incidence of various conditions responsible increasing morbidity in the specific community – role of PT in improving morbidity expected clinical and functional recovery, reasons for non-compliance in specific community environment solution for the same.  Course Objective  To impart theoritical knowledge on health care delivery systems, global health parameters and community health rehabilitation in terms of reintegration into societ  Course Outcomes (COs):  At the end of the course student shall be able to:  Understand the basic concept of CBR, Geriatrics, Industrial Health(C2).  CO2  Infer the basics of Fitness and Health Promotions, Principles of Community based	, -							
Course Outcomes (COs): At the end of the course student shall be able to:  CO1 Understand the basic concept of CBR, Geriatrics, Industrial Health(C2).  CO2 Infer the basics of Fitness and Health Promotions, Principles of Community based	011 11							
At the end of the course student shall be able to:  CO1 Understand the basic concept of CBR, Geriatrics, Industrial Health(C2).  CO2 Infer the basics of Fitness and Health Promotions, Principles of Community based	parameters and community health rehabilitation in terms of reintegration into society							
CO2 Infer the basics of Fitness and Health Promotions, Principles of Community based	t the end of the cour							
/ 1								
	O2							
Demonstrate disability evaluation, physiotherapy prescription techniques for musculoskeletal, neuromuscular, cardio- respiratory, pediatric, gynecological and geriatric problems in community (C2, P1).	O3							
Demonstration of evaluation and prescription techniques for ambulatory and assisting devices, Fabrication of low-cost assistive devices with locally available materials (CP3)	O4							
Mapping of Course Outcomes (COs) to Program Outcomes (POs):	Iapping of Course O							
COs PO1 PO2 PO3 PO4 PO5 PO6 PO7	Os PO1							
CO1 X X	-							
CO2 X X	X X							
CO3 X X	CO2 X							
CO4 X X	CO2 X							

GITAM School of Physiotherapy										
Name of the Program	Bachelor of	Physiotherapy								
Course Title	Physiotherap	y Practice in Commun	nity							
Course Code										
Semester /	Semester VI	II; Year 4								
Academic year	C. 1:4- 2(	- 4:1)								
Number of Credits Course Prerequisite		Credits 2(practical)  Basic Knowledge (Pre-University level) of Biology, Physics and Chemistry								
Course Synopsis	- In this course, the student will be able to identify rehabilitation methods to prevent									
Course Synopsis	disabilities and dysfunctions due to various disease conditions and plan and set treatment goals and apply the skills gained in rehabilitating and restoring functions in a community setup.  The major topics for this course are physiotherapy assessment and management in terms of community health which may include musculoskeletal, neuromuscular, cardiorespiratory, pediatric, gynecological and geriatric problems in community setup.									
Course Objective	To provide in depth hands on experience for formulation of holistic rehabilitation protocols related to disability eradication and various treatment strategies for better quality of life keeping community reintergation as one of the major goal									
	Course Outcomes (COs): At the end of the course student shall be able to:  CO1 Perform a comprehensive physiotherapy assessment for various conditions in a community.									
CO2	Plan a design community.	n appropriate goals for	physiother	apy treatment	in various co	nditions in a				
CO3	musculoskel	disability evaluation, etal, neuromuscular, cablems in community.								
CO4	Implement p	hysiotherapy approach	nes based o	n the concept of	of CBR.					
CO5		omprehensive develop			d in a commu	ınity setup.				
Mapping of Course (	Outcomes (CO	s) to Program Outco	mes (POs):							
COs PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1 X			X							
CO2 X			X							
CO3 X			X							
CO4 X			X							
CO5 X			X							

GITAM School of Physiotherapy										
Name of the	Bachelor of	Physiother	rapy							
Program										
Course Title	Physiothera	py in Wom	en's Health							
Course Code										
Semester / Academic	Semester V	Semester VIII/ Year 4								
Number of Credits	1 Credit (T	1 Credit (Theory)								
Course Prerequisite	Knowledge	Knowledge of medical and surgical conditions specific to females								
Course Synopsis		In this course, the students will be able to learn and understand the various physiotherapy techniques designed to treat conditions related to women's health.								
,	Gynaecological & obstetric conditions  2. To impart knowledge regarding various physiotherapy treatments in specific Gynaecological & obstetric conditions  Course Outcomes (COs):  At the end of the course student shall be able to:									
CO1	Explain the physiotherapy treatment of various obstetric and gynaecological conditions affecting females (C2)									
Mapping of Course	Outcomes (CO	s) to Progr	am Outcome	s (POs):						
COs PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1 X	X	X	X		X					

			GITAM Sch	ool of Physio	therapy				
Name of the		Bachelor of	Physiotherap	y					
Program									
Course Title	;	Physiotherapy Clinical Practice in Women's health							
Course Code	e								
Semester / A	cademic	Semester VI	Semester VIII/ Year 4						
year									
Number of C	Credits	1 Credits (Practical)							
Course Prer	equisite	Knowledge of medical and surgical conditions specific to females							
Course Syno	psis	In this course, the students will be able to perform various physiotherapy techniques designed to treat conditions related to women's health.							
Course Outo	comes (CO	s):							
At the end of	f the cours	e student sha	ll be able to:						
CO1	Performs comprehensive evaluation and Physiotherapy treatment for f conditions related to women's health. (C2, P4, A2)								
Mapping of	Mapping of Course Outcomes (COs) to Program Outcomes (POs):								
COs 1	PO1	PO2	PO3	PO4	PO5	PO6	PO7		
CO1	X	X	X	X		X			

			GITAM	School of Pl	hysiotherapy	У					
Name of t	he	Bachelor	of Physioth	erapy							
Program											
Course Ti	itle	EXERCIS	SE PHYSIC	LOGY							
Course C	ode										
Semester	/ Academic	8th semes	ter, 4th year	r							
year											
Number o	of Credits	2 Theory	credits								
Course Pr	rerequisite	Prior know	wledge of b	iochemistry a	and exercise	therapy					
Course Sy	ynopsis	The purpose of this course is to increase the student's knowledge and									
		understanding about human physiology and the adaptations that occur during									
	exercise. In this course the student gains understanding of how the body responds										
	to acute and chronic exercise. Emphasis is placed on bioenergetics as well as										
	circulatory, respiratory and neuromuscular responses to the physical stress of										
		1				and ergogenic a	ids on athletic				
		+ -		discussed in							
Course Objective To increase the student's knowledge and understanding about human physiology and											
	the adaptations that occur during exercise.										
Course	utoomos (CC	<b>J</b> e)•									
	utcomes (CO		hall he ahle	e to:							
At the end	utcomes (CO	se student s									
		se student s		e to:	ise training						
At the end		Discuss th	ne bioenerge	etics of exerc		raining					
CO1		Discuss the Discussion the Dis	ne bioenerge	etics of exerc	resistance to						
At the end		Discuss the Discussion the Dis	ne bioenerge	etics of exerc	resistance to	raining ce training prog	grams				
CO1		Discuss the Discuss the Summarize	ne bioenergo ne endocrino ze the adapt	e responses to ations to aero	resistance to	ce training prog					
CO1 CO2 CO3		Discuss the Discuss the Summarize	ne bioenergo ne endocrino ze the adapt	e responses to ations to aero	resistance to	ce training prog	grams ions for resistance				
CO1 CO2 CO3		Discuss the Summarized Discuss the Training	ne bioenerge ne endocrine ze the adapt ne age and s	e responses to ations to aero sex related diff	o resistance to obic endurance offerences and	ce training prog		er			
CO1 CO2 CO3 CO4		Discuss the Discussion t	ne bioenergo ne endocrino ze the adapt ne age and s	e responses to ations to aero sex related diff	o resistance to obic endurance fferences and ch improve p	ce training prog	ions for resistance	er			
CO1 CO2 CO3 CO4 CO5	d of the cour	Discuss the Discuss the Summarized Discuss the Training Discuss the Discussion	ne bioenergo ne endocrino ze the adapt ne age and s ne nutritiona nee enhanci	e responses to ations to aero sex related did al factors whi	o resistance to blic endurance fferences and ch improve p	ce training prog	ions for resistance	er			
CO1 CO2 CO3 CO4 CO5	d of the cour	Discuss the Discuss the Summarized Discuss the Training Discuss the Discussion	ne bioenergo ne endocrino ze the adapt ne age and s ne nutritiona ne enhanci Os) to Prog	e responses to ations to aero sex related dif- al factors whing substances gram Outcom	o resistance to blic endurance fferences and ch improve p	ce training prog	ions for resistance	er			
CO1 CO2 CO3 CO4 CO5 Mapping	of Course O	Discuss the Summarized Discuss the Summarized Discuss the training Discuss the performance (Communication).	ne bioenergo ne endocrino ze the adapt ne age and s ne nutritiona ne enhanci Os) to Prog	e responses to ations to aero sex related dif- al factors whing substances gram Outcom	o resistance to obic endurance fferences and ch improve p s nes (POs):	their implication	ions for resistance	er			
CO1 CO2 CO3 CO4 CO5 Mapping COs	of Course O	Discuss the Summarize Discuss the training Discuss the performan sutcomes (CO)	ne bioenergo ne endocrino ze the adapt ne age and s ne nutritiona ne enhanci Os) to Prog	e responses to acrosex related different factors whimng substances gram Outcomer PO4	o resistance to obic endurance fferences and ch improve p s nes (POs):	their implication performance and PO6	ions for resistance	er			
CO1 CO2 CO3 CO4 CO5 Mapping COs CO1	of Course O	Discuss the Summarize Discuss the Summarize Discuss the training Discuss the performance (CO)  PO2  X	ne bioenergo ne endocrino ze the adapt ne age and s ne nutritiona ne enhanci Os) to Prog	e responses to acrosex related different outcomes and outcomes of the related different outcomes of the related different outcomes of the related outcomes of the related different outcomes out	o resistance to obic endurance fferences and ch improve p s nes (POs):	their implication performance and PO6	ions for resistance	er			
CO1 CO2 CO3 CO4 CO5 Mapping COs CO1 CO2	of Course O PO1 X	Discuss the Summarized Discuss the Summarized Discuss the training Discuss the performance of the PO2  X  X	ne bioenergo ne endocrino ze the adapt ne age and s ne nutritiona ne enhanci Os) to Prog	e responses to acrosex related differences which all factors which all factors which all factors which are substances to the substance to the substances to	o resistance to obic endurance fferences and ch improve p s nes (POs):	PO6  X  X	ions for resistance	er			

			GITAN	I School of P	hysiotherap	y					
Name of t	he	Bachelor	of Physiotl	herapy							
Program											
Course Ti	tle	PT IN SP	ORT, HEA	LTH PROMO	OTION AND	FITNESS					
Course Co	ode										
Semester year	/ Academic	8th semes	8th semester, 4th year								
Number o	f Credits	2	2								
Course Pi	erequisite		Prior knowledge in biochemistry, exercise therapy, clinical orthopedics and musculoskeletal sciences								
Course Sy	nopsis	The students will be able to plan the sport specific rehabilitation strategies for athletes and therapeutic interventions for prevention of non communicable diseases									
Course O	bjective	To improve understanding of prevention & treating sport injuries and promoting health and fitness									
	utcomes (CC l of the cour	*	hall be ab	le to:							
CO1	Explain the sport specific rehabilitation strategies for athletes and therapeutic interventions for prevention of non communicable diseases (C2)										
Mapping	of Course O	utcomes (C	Os) to Pro	gram Outcor	nes (POs):						
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	X			X							

GITAM School of Physiotherapy											
Name of t	he	Bachelor of	of Physioth	erapy							
Program											
Course Ti	tle	Physiother	rapy practic	e IN SPORT	, HEALTH P	ROMOTION A	AND FITNESS				
Course Co	ode										
Semester / year	Academic	8th semes	8th semester, 4th year								
Number o	f Credits	2 (P)	2 (P)								
Course Pr	erequisite	Prior knowledge in biochemistry, exercise therapy, clinical orthopedics and musculoskeletal sciences									
Course Sy	nopsis	The students will be able to perform sport specific rehabilitation strategies for athletes and hands on therapeutic interventions for prevention of non communicable diseases									
Course Ol	bjective	To implement hands on skill in preventing & treating sport injuries and promoting health and fitness									
Course O	utcomes (CC	)s):									
At the end	of the cours	se student sl	nall be able	e to:							
CO1	Performs techniques for sports specific rehabilitation and prevention of non communicable diseases (C2, P4, A2)										
Mapping	of Course O	utcomes (CO	Os) to Prog	ram Outcon	nes (POs):						
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	X	X	X	X		X					

GITAM School of Physiotherapy										
Name of th	ne	Bachelor of	Physiother	rapy						
Program										
Course Tit	tle	Administrat	ion, Manag	gement & Lo	eadership Skills					
Course Co	de									
Semester / year	Academic	8th Semeste	8th Semester / 4th year							
Number of	f Credits	3 Credits (T	3 Credits (Theory)							
Course Pr	erequisite		comprehensive knowledge about physiotherapy, Ethics and Professionalism in physiotherapy and health informatics							
Course Sy	nopsis	The students will learn the methods to administer and manage a rehabilitation team and facilitate effective delivery of physiotherapy health care in an interdisciplinary approach.								
Course Ob	ojective									
Course Ou	itcomes (CO	s):								
At the end	of the cours	se student sha	ll be able	to:						
CO1		Explains the (C2)	e various ap	oproaches fo	or effective adminis	stration of a rehabil	itation team.			
CO2		Describe the	e roles of E	Effective lead	der and manager fo	r a rehabilitation te	am (C2)			
Mapping o	of Course Ou	itcomes (COs	s) to Progr	am Outcon	nes (POs):					
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7			
CO1	X	X	X	X	X		X			
CO2	X	X	X	X	X		X			

GITAM School of Physiotherapy											
Name of t	he Program	Bachelor	of Physiot	herapy							
Course Ti	tle	Technolog	gy in Reha	bilitation							
Course Co	ode										
Semester year	/ Academic	VIII / IV									
Number o	of Credits	2	2								
Course Pr	erequisite	therapy, (	students should have had comprehensive knowledge on Biomechanics, Exercise therapy, General medicine, general surgery, orthopaedics, neurology clinical and physiotherapy management.								
Course Sy	nopsis		This course Technology in Rehabilitation gives an insight to students on how the evolving technology can be utilised in physiotherapy and rehabilitation.								
Course O	bjective	To acquaint learner on the current technology available for diagnosis and treatment of various neurological, musculoskeletal, medical and surgical conditions in rehabilitation.									
	utcomes (CO l of the cours		hall be ab	le to:							
CO1		Define technology and recall its evolution and its advantages in rehabilitation. Also students should be able to apply the few available technologies and demonstrate the understanding of the remaining.									
CO2		Develop t		nentation of the	he available te	chnology in mus	sculoskeletal				
CO3		Develop t	he implem	nentation of the	he available te	chnology in neu	rological conditions.				
CO4		condition	s, post car	diac and puli	nonary invasi		st general surgical ost burns, cancer, nditions etc				
Mapping	of Course Ou	itcomes (C	Os) to Pro	ogram Outco	omes (POs):						
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	X	X	X			X					
CO2	X	X	X			X					
CO3	X	X	X			X					
CO4	X	X	X			X					

			GITAM Sc	chool of Physi	iotherapy					
Name of t	he	Bachelor	of Physiothera	ру						
Program										
Course Ti	tle	Geriatric l	Physiotherapy							
Course Co	ode									
Semester /	/ Academic	Semester	VIII; Year 4							
year										
Number o	f Credits	2 Credits	(Theory)							
Course Pr	erequisite	Comprehe	ensive knowle	dge of Clinica	ıl Neuroscienc	es, Clinical Orthopa	nedics,			
			Iedicine and C		<u> </u>					
Course Sy	nopsis	student as Goal setting These will pulmonary This cours and princi	The course, Geriatric Rehabilitation, over the Fourth year is designed to give the student an in-depth knowledge about Physiotherapy assessment and physiotherapy Goal setting for the management of a Geriatric Patient.  These will include the impact of aging on different systems e.g. (the cardiovascular pulmonary, the Musculoskeletal, and the central and peripheral nervous systems) This course will provide the student with the components of a patient medical history and principle of geriatric assessment according to the International Classification of Functioning, Disability and Health (ICF).							
Course Ol	bjective	To introduce learner to the effects of ageing on various structures and functions of the human body, physiotherapy evaluation of common geriatric conditions and physiotherapy goal setting for the treatment of a geriatric patient.								
At the end	utcomes (C l of the cou	rse student s	hall be able to							
CO1		population	Identify the demographic trends affecting mortality and morbidity in the aging population.							
CO2		Discuss th	Discuss the physiological changes that occur with aging on different systems.							
CO3		1	-		atric assessme ity and Health	nt including the Inte (ICF).	ernational			
CO4		Design a therapeutic plan for any selected case among elderly with prioritized problem (s), prioritized SMART goals, justified physical therapy modalities, and rational outcome measure (s) and suitable time frame according to relevant articles.								
CO5			precautions as for the geriat		ons that are ne	cessary for exercise	and the use of			
Mapping	of Course C	Outcomes (Co	Os) to Progra	m Outcomes	(POs):					
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7			
CO1	X									
CO2	X	1								
CO3	X			X						
CO4	X		X			X				
CO5	X		X			X				

			GITAM	School of Phy	siotherapy						
Name of tl	he	Bachelor o	f Physiothe	erapy							
Program											
Course Tit	tle	Research re	eport								
Course Co	de										
Semester / year	Academic	Semester 8	Semester 8; Year 4								
Number of	f Credits	1 (Theory),	1 (Theory), 2 (Practical)								
Course Pr	erequisite	The student should have been collecting the research data									
Course Sy	nopsis	This course provides an opportunity for the students to analyse the research data									
		collected and prepare a research report for dissemination.									
Course Ob	ojective	To prepare the Physiotherapy students with aptitude to critically appraise the scientiliterature before implementation in clinical practice through experience of data analysis and scientific reporting process.									
	itcomes (CO of the cours	,	all be able	to:							
CO1		Apply prind	-		g while maki	ng a research r	eport for				
CO2		Perform da (C4, P4, A3		on, organize, ar	nd analyse to	summarize the	e research findings				
Mapping o	of Course Ou	itcomes (CO	s) to Prog	ram Outcome	s (POs):						
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	X	X									
CO2		X		X		X					

## Clinical Internship

GITAM School of Physiotherapy										
Name of the	Bachelor	of Physio	therapy							
Program										
Course Title	Clinical I	nternship								
Course Code										
Semester /	Semester	9; Year 5								
Academic year										
<b>Number of Credits</b>	24									
Course	The stude	The student must have acquired all credits from previous eight semesters to be eligible								
Prerequisite	to enrol fo	to enrol for the Internship.								
Course Synopsis	settings. T different a key skills profession	This course will be conducted through various clinical postings in different health care settings. The students will have rotatory clinical postings, evenly distributed through different areas of physiotherapy for practice under supervision of qualified faculty. The key skills nurtured through the course will include ethical practice, effective professional communication, evidence based Physiotherapeutic assessments and interventions, ensuring safety of clients and therapist (self).								
<b>Course Objective</b>	To provide opportunity for implementing gained knowledge, skill and attitudes relevant to physiotherapists through the curriculum under minimum supervision									
Course Outcomes (COs):										
At the end of the co	urse, stude	nt shall be	e able to:							
CO1			-			oblem solving in f clients and self (C4,				
CO2	-	-			•	different abilities, and self (C3, P4, A2)				
CO3					-	ofessional etiquettes				
	(C3, P4, A				r y.					
CO4	1 2	adership qu (C3, P4, A	*	work with the	healthcare profe	essionals, clients, and				
Mapping of Course				utcomes (PC	Os):					
COs PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1 X			X							
CO2 X					X					
CO3		X		X						
CO4	X					X				

	FI	ACULTY OF PHYSIOTHERAPY				Scher	ne						heory			-,		Pract	tical	~~		1
		B.P.T (2021-25)		1							lote	ernal		End Sem			Inte	mal	VIF1	End	Sen	155
Semester/ Year	Subject Code	COURSE TITLE	Credits	coursetype	Max. Marks Continuous Evaluation	Max. maris Semesterend Examination	Cumulative Maximum for compilation of result.	Passing marks for cumulative maximum (45%)	Participation	Midterm	Assignment	Quit	Proje ct/Seminar	Mass	Participation	Lab Work/Log Book	Midterm	Cass e pres entation/viva- voce	Max	Demonstration/Presentation	Viva-voce	Max
	PHTY1001	Human Anatomy - I	4	T	50	50	150	68	5	25	5	10	S	50	1.4	-	1	- 1			-	
- 1	PHTY1001P	Human Anatomy - I (P)	2	p	25	25	53/2/	550	-		-				5	0	15	5	25	20	5	25
	PHTY1011	Human Physiology - I	4	1	50	50	100	45	5	25	5	10	5	50	1	7	17	- 1		-		4
2	PHTY1021	Biochemistry	2	Æ	50	50	150	68	5	25	5	10	S	50	(6		÷	*)	÷	10	*	14110
Semesteri	PHTY1021P	Biochemistry (P)	1	p	25	25	130	ou.	70		,		7/	17	5	0	15	5	25	20	5	25
95	PHTY1031	Sociology	2	T.	50	/25	75	34	5	25	5	10	S	50	7,6	14	10	(0)	6	100	100	
-	PHTY1041	Introduction to Physiotherapy and Healthcare	2	TP	100	NA	100	45	5	25	5	10	5	13	10	0	30	10	50	-		
1	PHTY1051	Introduction to Research and Evidence; Learning	1	T	50	NA	50	23	5	-25		10	5	10	12		-	-	13	- 00		100
1	CSEN1001	IT Productivity Tools	1	P	100	NA:	100	45	-	and the last		-			-		1				-	
	LANG1011	English / Foreign language	1	P	100	NA.	100	45	i.													
	PHTY1071	Community Orientation & Clinical Visit	1	P	50	NA.	50	23				+	0)2	34 2	20	10	0	20	50			19
	PHTY1081	Human Anatomy - II	3	Ŧ	50	50	150	68	5	25	5	10	5	50	1	1	2000		11811	(4)	3.455	9
	PHTY1081P	Human Anatomy-II P	2	p	25	25	130	00	1		+	÷	*	19	5	0	15	5	25	20	5	25
	PHTY1091	Human Physiology - II	4	Ť	50	50	150	68	5	25	5	10	5	50	07	7	A	2		35	8	7
Semester II	PHTY1091P	Human Physiology - II P	1	P	25	25	Santa	308.13	+)				+1	9	5	0	15	5	25	20	5	25
2	PHTY1101	General Psychology and Clinical Psychology	3	J.	50	50	100	45	5	25	5	10	5	50	7.6	-	+	(8)	0	1.00	30	19.
Sem	PHTY1111	Biophysics	1	Ŧ	50	50	150	68	5	25	5	10	5	50	(+			(0)				1
	PHTY1111P	Biophysics (P)	1	P	25	25			3		117			=	5	0	15	5	25	20	9	25
- 1	PHTY1121	Foundations of Exercise Therapy	4	Th	100	MA	100	NA.	5	25	5	10	5	NA.	10	.0	30	10	50			6
- 1	VEDC1001	Venture Discovery	1	T	100	NA	100	NA NA				-		NA NA					999			
- 1	PHTY1131	Clinical Observation	1	P	50	NA:	50	NA	+	-			+	NA	20	10	0	-20	50	- 00		4
	ENVS1001	Environmental Sciences and Sustainability	1	1	100	NA	100	NA.						NA.								
		Pathology and Microbiology	4	Ť	50	50	150	68	5	25	5	10	5	50	3	-	3	3	-	9		0
		Pathology and Microbiology (P)	1	P	25	25	55000	115	10	-	1		1	100	5	0	15	5	25	20	5	25
<b>E</b>		Pharmacology	3	T	50	-50	100	45	5	25	5	10	5	50	*		2	- *				
8		Biomechanics and Kinesiology	4	T	50	50	100	45	5	25	5	10	5	50		-	+					
Semesterill		Practical in Biomechanics and Kinesiology	1	p	50	50	100	45		-		+		- 4	10	0	30	10	50	40	10	50
S.		Theoretical concepts in Exercise Therapy -I	3	7	50	50	100	45	5	25	151	10	5	50	07	,	15	. 8		Ö.	0	7
- 1		Practical in Exercise Therapy - I	2	P	50	50	100	45	19	-	+	+	7	19	10	-	30	10	50	40	10	50
,		Health informatics and Clinical Observation	2	T	100	NA.	100	45	5	25	5	10	5	19	20	10	0	20	50		(1)	1
		Gandhian Studies and Constitution	1	T	100	NA	100	45						- 200		L	L					
		Basics in Patient Handling Techniques and	3	-	50	50	100	45	-	25	5	10	5	50	- 10	-	20	1	-	-	***	7.0
- 1		Practical in Patient Handling Techniques and	3	P	50	50	100	45 45	5	25		10	5	50	10	0	30	10	50	40	‡D	50
- 1		Theoretical concepts in Electrotherapy							>	25	2	10	_		-	-	70		-	46	10	-
	-	Practical in Electrotherapy	4	P	50	50	100	45	-	-	-		-	- 14	10	U	30	10	50	40	40	50
Semester IV		Theoretical concepts in Physical and Functional Diagnosis and Outcome Measures	3	1	50	50	100	45	5	25	5	10	5	50	1			*		9,,		
- DUG		Practical in Physical and Functional Diagnosis	3	p	50	-50	100	45	7		1		-7.		10	0	30	10	50	40	10	50
35		Ethics and Professionalism	1	Æ	100	NA	100	45	5	25	5	10	S	50	18		÷	*		10	*	1
		Introduction to Evidence Based Practice	2	Ť	100	NA	100	45	5	25	5	10	5	50	8		8.	*	-	×		*
		Clinical observation and Practice	2	P	50	NA	50	23			4		+ 1		20	10	0	20	50			
		Clinical Orthopedics &Traumatology	4	T	50	50	100	45	5	25	5	10	5	50	4		1	- 8		- 3	-	4
>		Clinical Neurology & Neurosurgery	4	T	50	50	100	45	5			10	5	50	+	-						4
20		General Medicine & Psychiatry	4	T	50	-50	100	45	5	25		10	5	50	+	9			-	- 3	7	
VemesterV		General Surgery , Burns and Plastic Surgery	4	T	50	50	100	45	5	-		10	5	50	+	1				- 01		9
3		Clinical Investigations and Radio Diagnosis	50	T	100	NA	100	45	5	25	-	10	5	19	+	-	1	-	1	- 00	4	
IM)		Evaluative Clinical Practice and Clinical Open elective -1	5	T	100	NA NA	100	23 45		-	*	-	7	- 12	10	0	30	10	50		-	100

	Physiotherapy in Musculoskeletal Sciences 4	3	T	50	50	100	45	5	25	5	10	5	50	1	8	80	4	1	-	14	1
12	Physiotherapy in Neurological Sciences and	3	T	50	50	100	45	5	25	5	10	5	50		6		- 6)			-	1
5	Cardioplumonary Physiotherapy in Medical and	3	T	50	50	100	45	5	25	5	10	5	50			2		141	14.		4
SEMESTER VI	Physiotherapy Clinical Practice in	2	p	50	50	100	45			(t	4		- 3	10	0	30	10	50	40	10	50
12	Physiotherapy Clinical Practice in Neurological	2	p.	50	50	100	45	55	-	4	4	-	14	10	0	30	10	50	40	10	50
2	Clinical Practice in Cardio vascular and	2	p	50	50	100	45	0				-		10	0	30	10	50	40	10	50
W.	Patient Safety and Qualty in Health care	2	TP	100	NA.	100	45	5	25	5	10	5	- 14	10	0	30	10	50			
	Introduction to Research Methods, Biostatistics	4	T	100	NA.	100	45	10	50	10	20	10	- 4	1.5	10	(0)		(+)	(0)		
	Program elective -1: Pain Sciences/ Balance	2	TP	100	NA:	100	45	5	25	5	10	5	18.1	10	0	30	10	50	-		i
	Physiotherapy in Musculoskeletal Sciences «II	3	T	50	50	100	45	5	25	5	10	5	50			X	4.	4	-10	4	-
	Physiotherapy in Neurological Sciences and	3	T	50	50	100	45	5	25	5	10	5	50	×	34		- 83				
3	Cardioplumonary Physiotherapy in Medical and	3	T	50	50	100	45	S	25	5	10	5	50	100	14	X		(4)	*		3.
2	Physiotherapy Clinical Practice in	2	P	50	50	100	45	(9)	19	+			- 1	10	0	30	10	50	40	10	50
Semester	Physiotherapy Clinical Practice in Neurological	2	p	50	50	100	45		×	Ť.		-	- 11	10	0	30	10	50	40	10	50
Ě	Clinical Practice in Cardio vascular and	2	p.	50	50	100	45	100	1	+	+		- 1	10	0	30	10	50	40	10	50
OK .	Fundamentals of Yoga - Theory & Practice	2	TP	100	NA.	100	45	5	25	5	10	5	- 3	10	0	30	10	50	-		
	Differential dignosis and clinical reasoning	2	T	100	NA.	100	45	10	50	10	20	10		-	16			1		4	
	Research data collection	3	TP	100	NA.	100	45	S	25	5	10	5	- (+	10	0	30	10	50			
	Community Medicine	3	T	50	50	100	45	5	25	5	10	5	50	1.0	10	(0)	4.1	4	(0)		
	Physiotherapy in Community	3.	T	50	50	100	45	5	25	5	10	5	50	18		4	coal.	(4)	14	14	4
	Physiotherapy Practice in Community	2	p	50	50	100	45	15.7		-	1	-		10	0	30	10	50	40	10	50
15	Physiotherapy in Womens Health	1	T	50	50	100	45	5	25	5	10	5	50								
	Clinical Practice in Women's Health	1	p	50	50	100	45	18		0	150	11/-	20011	10	0	30	10	50	48	10	50
Semester	Exercise Physiology	2	T	50	50	100	45	5	25	5	10	5	50	-	10		*	100	-		4
8	Physiotherapy in Sport, Health promotion and	2	Т	50	50	100	45	5	25	5	10	5	50	5				*	-		-
X	Physiotherapy Practice in Sport, Health	2	p	50	50	100	45	10	1	+	+	-	- 2	10	0	30	10	50	40	10	50
H	Administration, Management and Leadership	3	1	100	NA	100	45	10	50	10	20	10					- 83	8	- 6		
	Program Electives: Technology in rehabilitation/	2	TP	100	NA.	100	45	5	25	5	10	5	- (4	10	0	30	10	50		1	
	Research Report	3	TP	100	NA.	100	45	5	25	5	10	5	-	10	0	30	10	50		1	+