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 batch) (Revised and submitted for approval in 22nd 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 innovation, research, 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. 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 at 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.

4.2 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.

4.3 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

4.4 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.

5. MEDIUM OF INSTRUCTION:

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

6. REGISTRATION:

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

7. ATTENDANCE REQUIREMENTS:

7.1 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.
- 7.2 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.

8. EVALUATION

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

8.2 The student must secure 40% marks in continuous evaluation to be eligible to appear for Semester end evaluations

8.3 A student must secure an aggregate of 45 % in any course in continuous evaluation and semester end examination the two components put together to be declared to have passed the course. The student must secure 45% in foundation courses with only continuous evaluation components and no semester end examinations.

8.4 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.

S No	Component if Assessment	Morke	Type of	Evaluation Components		
5.10	Component il Assessment		Aggeggment	Evaluation Components		
•		Anoue	Assessment			
1		u 50.0/	Carting	Continuous on 1 (1)		
1	Theory	50 %	Evaluation And Semester End	applicable for individual course)Participation		
			Evaluations	 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 % 50%	Continuous Evaluation And Semester End Evaluations	Continuous evaluation: • Participation • 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)		

Table 1: Assessment Procedure

				 Participation Report submission Viva voce Presentation (Refer to scheme of marks for weightage in Appendix A)
4	Clinical*	50% or 100% 0 or 50%	Continuous Evaluation And Semester End Evaluations	 Continuous evaluation: Participation Logbook Case Presentation/ Clinical Performance Evaluation Sessional Examination (Case Presentation, Viva voce and Spotters) (Refer to scheme of marks for weightage in Appendix A) End Semester Evaluation: Case Presentation Viva voce Spotters (Evaluation of clinical course will be performed by one Internal examiner and one external Examiner)
5	University Core	100%	Continuous Evaluation	As per University Norms
6	Internship/Comprehensive	NA	Formative Evaluation	Participation, Clinical Performance Evaluations & Comprehensive Viva-voce and should attain satisfactory grade.

* Percentage of weightage for continuous evaluation will be 100 % for foundation courses (Theory, Practical and Clinical)

9. PROMOTION CRITERIA:

- 9.1 The student will be promoted from the fourth semester to fifth semester if he or she attains all credits of first year (first and second semester) and a cumulative minimum of 70% of the credits at the end of the second year
- 9.2 The student will be promoted from the sixth semester to seventh semester if he or she attains all

credits of second year (third and fourth semester).

9.3 The Student will be eligible for internship only after successful completion (100 percent credits) of the entire course work through eight semesters

Supplementary Examinations:

Supplementary Examinations will be conducted as per the regulations of the University.

10. 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 for promotion to the next higher semester. 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 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.

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 in 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:

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	Ι	NA	Incomplete (Only for Project)
13	R	0	Insufficient attendance in the course

Table 2: Grades and Grade Points

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

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

Table 3: CGPA required for award of Class

 \ast 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.

9. CURRICULUM OUTLINE

First Semester & Second Semester (*Revised and Approved in 21st Academic Council*) *Third Semester to eighth semester (Revised and Submitted for Approved in 22nd Academic Council*)

	C	SL.N			Credits			Contact Hou	rs	Hours	
	Code	0	Course Title	-						Tota	
				Theory	Practical	Clinical P	Theory	Practical	Clinical P		Weeki
		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
Se			Foundation courses with internal Examination								
m es ter 1		5	Introduction to Physiotherapy and Health care delivery system in India Introduction to Research and Evidence, learning and teaching	1	1	0	15	30	0	45	3
		6	methods	1	0	0	15	0	0	15	1
		7	IT Productivity Tools(University Core) English/ Foreign Language (University	0	2	0	0	60	0	60	4
		8	Core) Community orientation and clinical	0	2	0	0	60	0	60	4
		9	visit	0	0	1	0	0	45	45	3
			Total	14	8	1	210	240	45	495	33
			Semester Total		23			495			33

	C Code		Course Title		Credits			Contact Hours			Hours	
	Code			Theory	Practical	Clinical P	Theory	Practical	Clinical P	Tota I	Weekl	
		1	Human Anatomy - II	3	2	0	45	60	0	105	7	
		2	Human Physiology - II General Psychology and Clinical	4	1	0	60	30	0	90	6	
Se		3	Psychology	3	0	0	45	0	0	45	3	
m es ter		4	Biophysics	1	1	0	15	30	0	45	3	
			Foundation courses with internal Examination									
2		5	Foundations of Exercise Therapy Venture Development (University	2	2	0	30	60	0	90	6	
		6	Core) Environmental studies (University	2	0	0	30	0	0	30	2	
		8	Core)	2	0	0	30	0	0	30	2	
		7	Clinical Observation	0	0	1	0	0	45	45	3	
			Total	17	6	1	255	180	45	480	32	
			Semester Total		24			480			32	

	C				Credits			Contact Hou	Hours		
	Code		Course Title	Theory	Practical	Clinical P	Theory	Practical	Clinical P	Tota I	Weekl
		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 Practical in Biomechanics and	4	0	0	60	0	0	60	4
Se		4	Kinesiology Theoretical concepts in Exercise	0	1	0	0	30	0	30	2
m es		5	Therapy -I	3	0	0	45	0	0	45	3
ter		6	Practical in Exercise Therapy -I	0	3	0	0	90	0	90	6
3											
		7	Health Informatics and Clinical Observation Gandhian values/ Ethics (University	1	0	2	15	0	90	105	7
		8	Core)	2	0	0	30	0	0	30	2
		9	Open Elective	2	0	0	30	0	0	30	2
			Total	19	5	2	285	150	90	525	35
			Semester Total		26			525			35

	Cours				Credits			Contact Hou	rs	Hours	
	e Code		Course Title	Theory	Practical	Clinical P	Theory	Practical	Clinical P	Tota I	Weekl
			Basics in Patient Handling Techniques and Theoretical Concepts in Exercise								
		1	Therapy-II Practical in Patient Handling	3	0	0	45	0	0	45	3
		2	Techniques and Exercise Therapy-II	0	2	0	0	60	0	60	4
		3	Electrotherapy	3	0	0	45	0	0	45	3
Se m		4	Practical in Electrotherapy Theoretical Concepts in Physical and Functional Diagnosis and outcome	0	4	0	0	120	0	120	8
es ter		5	measures Practical in Physical and Functional	3	0	0	45	0	0	45	3
4		6	Diagnosis	0	3	0	0	90	0	90	6
			Foundation courses with internal Examination								
		6	Ethics and Professionalism Introduction to Evidence Based	1	0	0	15	0	0	15	1
		7	Practice	2	0	0	30	0	0	30	2
		8	Project	0	1	0	0	30	0	30	2
		9	Clinical observation and Practice	0	0	2	0	0	90	90	6
		1	Total	12	9	1	180	300	90	570	38
			Semester Total		24			570			38

	C				Credits			Contact Hou	rs	Hours	
	Code		Course Title	Theory	Practical	Clinical P	Theory	Practical	Clinical P	Tota I	Weekl
	4	1	Clinical Orthopedics & Traumatology	4	0	0	60	0	0	60	4
	4	2	Clinical Neurology and Neurosurgery	4	0	0	60	0	0	60	4
	4	3	Medicine & Psychiatry	4	0	0	60	0	0	60	4
Se m	4	4	General Surgery, Burns & Plastic Surgery	4	0	0	60	0	0	60	4
es ter											
5	2	6	Clinical Investigations and Radio Diagnosis Evaluative Clinical Practice and Clinical	2	0	0	30	0	0	30	2
	5	7	Reasoning	0	0	6	0	0	270	270	18
	2		Open elective 1 (Open Elective)	1	0	0	15	0	0	15	1
			Total	19	0	6	285	0	270	555	37
			Semester Total		25			555			37

	Cours				Credits			Contact Hou	rs	Hours	
	e Code		Course Title	Theory	Practical	Clinical P	Theory	Practical	Clinical P	Tota I	Weekl
			Physiotherapy in Musculoskeletal								
		1	Sciences -I	3	0	0	45	0	0	45	3
			Physiotherapy in Neurological								
		2	Sciences and Pediatrics -I	3	0	0	45	0	0	45	3
			Cardioplumonary Physiotherapy in								
		3	Medical and Surgical conditions -I	3	0	0	45	0	0	45	3
			Physiotherapy Clinical Practice in								
Se m		4	Musculoskeletal Sciences -I	0	0	2	0	0	90	90	6
		-	Physiotherapy Clinical Practice in	0	•	2		•			c
es		5	Neurological sciences and Pediatrics -I	0	0	2	0	0	90	90	6
ter		c	Clinical Practice in Cardiovascular and	0	0	2	0	0	00	00	c
6		0		0	0	Z	U	0	90	90	0
			Examination								
			Patient Safety and Quality in Health								
		7	care	1	1	0	15	30	0	45	3
			Introduction to Research Methods,								
		8	Biostatistics and Research protocol	4	0	0	60	0	0	60	4
			Program elective -I: Pain Sciences/								
		9	Balance Rehabilitation	1	1	0	15	30	0	45	3
			Total	15	2	6	225	60	270	555	37
			Semester Total		23			555			37

					Credits			Contact Hou	ırs	Hours	
	Code		Course Title	Theory	Practical	Clinical P	Theory	Practical	Clinical P	Tota I	Weekl
			Physiotherapy in Musculoskeletal								
		1	Sciences -II	3	0	0	45	0	0	45	3
			Physiotherapy in Neurological								
		2	Sciences and Pediatrics -II	3	0	0	45	0	0	45	3
		2	Cardioplumonary Physiotherapy in		•	•	45	0	•	45	2
		3	Medical and Surgical conditions -II	3	0	0	45	0	0	45	3
		1	Physiotherapy Clinical Practice in	0	0	n	0	0	00	00	c
Se		4	Physiothorapy Clinical Practice in	0	0	2	U	0	90	90	0
m			Neurological sciences and Pediatrics -								
es		5		0	0	2	0	0	90	90	6
ter		-	Clinical Practice in Cardiovascular and	-	-		-	-			-
l '		6	Pulmonary Physiotherapy -II	0	0	2	0	0	90	90	6
			Examination								
			Fundamentals of Yoga - Theory &								
		7	Practice	1	1	0	15	30	0	45	3
			Differential diagnosis and clinical								
		8	reasoning	2	0	0	30	0	0	30	2
		9	Research data collection	0	2	1	0	60	45	105	7
			Total	13	3	6	180	90	315	585	39
			Semester Total		22			585			39

	Cours				Credits			Contact Hou	Hours		
	e Code		Course Title	Theory	Practical	Clinical P	Theory	Practical	Clinical P	Tota	Weekl
				Theory	Tractical	Chinearr	Theory	Tractical	Chilleart	•	VVCCKI
		1	Community Medicine	3	0	0	45	0	0	45	3
		2	Physiotherapy in Community	3	0	0	45	0	0	45	3
		3	Physiotherapy Practice in Community	0	0	2	0	0	90	90	6
		4	Physiotherapy in Women's Health	1	0	0	15	0	0	15	1
		5	Clinical Practice in Women's Health	0	0	1	0	0	45	45	3
Se		6	Exercise Physiology	2	0	0	30	0	0	30	2
m			Physiotherapy in Sport, Health								
es		7	promotion and Fitness	2	0	0	30	0	0	30	2
ter			Physiotherapy Practice in Sport,								
8		8	Health Promotion and Fitness	0	0	2	0	0	90	90	6
			Foundation courses with internal Examination								
			Administration, Management and								
		9	Leadership skills	3	0	0	45	0	0	45	3
			program Electives: Technology in rehabilitation/ Geriatric								
		10	Physiotherapy	1	1	0	15	30	0	45	3
		11	Research Report	1	2	0	15	60	0	75	5
			Total	16	3	5	240	90	225	555	37
			Semester Total		24			555			37

	Cou				Credi	ts	Con	tact H	ours		Hours
	rse Cod e		Course Title	The ory	Pract ical	Clinical P	The ory	Prac tical	Clinic al P	Tot al	Weekly
Semester 9		1	Clinical Internship	0	0	24	0	0	108 0	10 80	42
_											
			Semester Total	24		1080				42	

GITAM SCHOOL OF PHYSIOTHERAPY GITAM (Deemed to be University)

VISION

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

MISSION

To enable a culture of innovation, research, 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.

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 evidenceinformed 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.

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 and skills
 01 needed to work as 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 available
 02 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 skills to
 practice independently and in collaboration with the interdisciplinary health care team or industry.

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
PEO 1	•	~		~	~	~	
PEO 2	~	~		~		~	~
PEO 3	~	~	~		~		~
PEO 4	~		~		~	~	~

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

First Semester-B.P.T.

GITAM School of Physiotherapy											
Name of	the	Bachelor of	Bachelor of Physiotherapy								
Program											
Course Ti	tle	Human Ar	natomy - I								
Course Co	ode	PHTY 1003	1								
Semester	1	Semester	1 / Year 1								
Academic	: year										
Number of	of Credits	6 (4 theor	y + 2 Practical)								
Course Pr	rerequisite	Basic Know	wledge (Pre-Un	iversity	level) of Biolo	gy, Physics and	Chemistry				
Course Sy	nopsis	The co	ourse in Anator	ny over	the first year	is designed to gi	ve the student				
		an in-	depth knowled	ge of th	e structure of	Human body. Th	nis module				
		provid	les a comprehe	ensive ki	nowledge abo	ut various tissue	s and organs				
		prese	nt in the humar	n body t	o understand	the anatomical	basis of health				
		and d	isease. The maj	or topic	s for this cour	se include Gene	ral Histology,				
		Musci	uloskeletal Ana	tomy, d	etailed anator	ny of the Upper	Extremity,				
		Thora	x including lunរ្	gs and h	eart, Anatom	y of the Head an	d Neck including				
		the Ce	entral Nervous	system.							
Course O	utcomes (CO	Os):									
At the en	d of the cou	irse student	t shall be able t	:0:							
CO1		Know the	basic terminolo	ogies an	d structures o	f Human Anator	my (C1)				
CO2		Describe t	he normal stru	cture of	various tissue	es in Human bod	ly (C2)				
CO3		Describe t	he basis of hun	nan mov	vement (C2)						
CO4		Outline th	e anatomy of b	ones, Jo	pints and conr	nective tissues in	the human body				
		(C2)									
CO5		Describe t	he normal stru	cture of	Upper extrem	nity, Thorax, Hea	ad and Neck. (C2)				
Mapping	of Course O	outcomes (C	Os) to Program	n Outco	mes (POs):						
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	х			Х							
CO2	х		x								
CO3	х		x								
CO4	х			x							
CO5	x			x							

GITAM School of Physiotherapy											
Name of t	:he	Bachelor	Bachelor of Physiotherapy								
Program											
Course Tit	tle	Human Physiology I									
Course Co	de	PHTY1011									
Semester	/	Semester	l; Year l								
Academic	year										
Number o	of Credits	4	4								
Course Pr	erequisite	Basic Kno	wledge (Pi	re-University	level) of Bi	ology, Physic	cs, and Chemistry				
Course Sy	nopsis	T I			. (*	•					
		Ine cours	e in Physic th knowled	blogy over th	e first year mental read	is designed t	to give the student				
		particular	lv in the h	uman body.	This module	e provides co	omprehensive				
		knowledg	e about no	ormal functio	ons of the o	rgan system	s of the body to				
		understar	nd the phy	siological bas	sis of health	n and disease	2				
		The media									
		The major topics for this course include the cell; primary tissue; connective									
		nervous s	vstem, and	d special sen	ses.		spiratory system,				
Course Ou	utcomes (CC	Ds):	//-	<u> </u>							
At the end	d of the cou	rse student	ts shall be	able to:							
CO1		Know the	basic fact	s and concep	ts of Physic	ology (C1)					
CO2		Explain th	e normal f	functions of t	he Blood, N	Neuromuscu	lar, Cardiovascular,				
		and Respi	ratory sys	tems of the k	ody. (C2)						
CO3		Describe	the relativ	e contributio	n of the Blo	od, Neurom	iuscular,				
		Cardiovas	cular, and	Respiratory	systems in	maintaining	homeostasis.(C2)				
CO4		Describe	abnormal	physiology in	disease pr	ocesses. (C2)				
Mapping	of Course O	utcomes (C	Os) to Pro	ogram Outco	mes (POs):						
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	Х										
CO2	Х			х							
CO3	Х			X							
CO4	х			x							

			GITAM Scho	ool of Phy	siotherapy				
Name of t	:he	Bachelor	Bachelor of Physiotherapy						
Program									
Course Tit	tle	Biochemi	Biochemistry						
Course Co	de	PHTY 102	PHTY 1021						
Semester	/	Semester	Semester 1 / Year 1						
Academic	year								
Number o	of Credits	3 (2 theo	ory +1 practi	cal)					
Course Pr	erequisite	The stude	ent should ha	ve basic k	nowledge r	egarding bodily f	unctions and be		
		aware of	basic termino	logies use	ed in biology	and chemistry.			
Course Sy	nopsis	• TI	he course wi	ll enable t	the student	to understand the	ne composition,		
		pa	athways of	digestion	, metaboli	sm and absorpt	ion of various		
		co	onstituents in	the body	at cellular l	evel.			
		• T	he course w	vill also e	ducate th	e student on no	ormal levels of		
		in	nnortant hod	ilv compo	nents their	sources function	and disorders		
		re	elated to the	n.	nents, then				
		• TI	he student wi	ll also be a	able to unde	erstand and interp	ret related tests		
		aı	nd their resul	ts which v	vill enhance	their treatment	planning.		
Course Ou	utcomes (CC	Ds):							
At the end	d of the cou	, rse student	t shall be able	e to:					
CO1		Describe r	nutrition with	emphasis	on importa	ance of nutritional	calorific values,		
		balanced	diet and calcu	ulate ener	gy requiren	nent of a person.(C3)		
CO2		Understa	nd the chem	nical com	position of	carbohydrates,	lipids, proteins,		
		enzymes,	nucleotides	and nucle	eic acids al	ong with their cl	assification and		
		functions	.(C2)						
CO3		Know the	e concepts o	f digestio	n, absorpti	on and understa	nd the various		
		pathways	concerned	with met	abolism of	carbohydrates,	lipids, proteins,		
		vitamins a	and minerals	along with	n their appli	cations in clinical	scenarios.(C3)		
CO4		List variou	us componen	ts of the c	ell with the	ir functions, cont	ractile elements		
		in muscle	es and proc	ess of n	nuscle con	traction. Also, a	ble to explain		
		biochemis	stry of conne	ctive tissu	e and horm	one action.(C2)			
CO5		Understa	nd concepts	of acid-ba	ase balance	, water and elec	trolyte balance,		
		their norn	nal levels, tes	ts to chec	k these fund	ctions and interpr	etation. (C3, P2)		
Mapping	of Course O	utcomes (C	Os) to Progra	am Outco	mes (POs):				
Cos	PO1	PO2	PO3	PO4	PO5	PO6	P07		
CO1	x								
CO2	х								
CO3	x								
CO4	x								
CO5	x								

GITAM School of Physiotherapy												
Name of t	:he	Bachelor	Bachelor of Physiotherapy									
Program												
Course Tit	tle	Sociology	Sociology									
Course Co	ode	PHTY1031	L									
Semester	/	Semester	1 / Year 1									
Academic	year											
Number o	of Credits	2										
Course Pr	erequisite	Basic kno the social	Basic knowledge regarding human interactions and orientation regarding the social values									
Course Sy	nopsis	This cours principles family and rural and	This course will help the student to introduce basic sociology concepts, principles and social process, social institutions in relation to the individual, family and community and the various social factors affecting the family in rural and urban communities in India will be studied.									
Course Ou	utcomes (CC	Ds):										
At the en	d of the cou	rse student	t shall be abl	e to:								
CO1		Understa and vario	nd the basic s us social fact	sociology ors affect	concept inc ing the heal	luding principles, th and diseases o	, social processes domains (C2)					
CO2		Explain so with disat	ocialization, s pility of the p	ocial grou people (C2	ips and cone 2)	cept of social gro	ups in relation					
CO3		Describe : (C2)	social change	e, social se	ecurity and i	role of medical s	ocial worker					
CO4		Outline th	ne concept of	f family, c	ommunity,	culture and healt	h (C3)					
Mapping	of Course O	utcomes (C	Os) to Progr	am Outco	omes (POs):							
Cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7					
CO1	х											
CO2	х	х										
CO3	Х											
CO4	х		X									

GITAM School of Physiotherapy										
Name of t	he	Bachelor	Bachelor of Physiotherapy							
Program										
Course Tit	le	Introduct	ion To Phy	/siotherapy /	And Health	care Deliver	y System In India			
Course Co	de	PHTY1041	1							
Semester	/	Semester	1 / Year 1							
Academic	year									
Number o	f Credits	2	2							
Course Pr	erequisite	Basic Kno	wledge (P	re-Universit	y level) of B	iology, Phy	sics and Chemistry			
Course Sy	nopsis	The co	urse prov	vides studer	nts the kn	owledge o	f basic physiotherapy			
		evaluati	ion metho	ds and a bas	sic insight ir	nto the main	n features of the Indian			
		health	care deli	very system	n and how	Physiothe	erapy as a profession			
		compar	es with th	e other heal	th care syst	ems of Indi	a.			
Course Ou	itcomes (CC)s):								
At the end	d of the cou	rse student	shall be a	ble to:						
CO1		Know the	basic met	thods of phy	siotherapy	evaluation				
CO2		Know the	methods	of health ca	re delivery	at national	and international level			
CO3		Describe	the AYUSH	I system of r	medicine					
CO4		Know the	importan	ce of demog	graphy and	epidemiolo	gy in health care			
		delivery								
Mapping	of Course O	utcomes (C	Os) to Pro	gram Outco	mes (POs):					
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07			
CO1	Х									
CO2	Х									
CO3	Х	х	x A A A A A A A A A A A A A A A A A A A							
CO4	Х	Х								

	GITAM School of Physiotherapy										
Name of t	:he	Bachelor	Bachelor of Physiotherapy								
Program											
Course Tit	tle	Introduction to Research and Evidence; Learning and Teaching Methods									
Course Co	de	PHTY1052	L								
Semester	/	Semester	I / Year I								
Academic	year										
Number o	of Credits	1	1								
Course Pr	erequisite	Basic Kno	Basic Knowledge (Pre-University level) of Biology, Physics, Chemistry and								
		English	English								
Course Sy	nopsis	This cours	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 Ou	utcomes (CC	Ds):									
At the end	d of the cou	rse studen	t shall be	able to:							
CO1		Outline re	esearch ar	nd evidence	(C2, P2)						
CO2		Summariz	the rese	earch metho	ods and the	scope of stu	dy designs (C2)				
CO3		Interpret	domains a	and levels o	f learning (C	3)					
CO4		Understa	nd learnin	ig and teach	ing method	s (C2, P4)					
Mapping	of Course O	utcomes (C	Os) to Pro	ogram Outc	omes (POs)	:					
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	х					х					
CO2	х					х					
CO3	x	х									
CO4	x	X									

GITAM School of Physiotherapy									
Name of	the	Bachelor of Physiotherapy							
Program									
Course T	itle	Community Orientation and Clinical Visit							
Course C	ode	PHTY1071							
Semeste	r /	Semester	1/ year 1						
Academi	c year								
Number	of Credits	1							
Course		Basic Kno	wledge (Pre	e-University	level) of Biol	ogy, Physics a	ind		
Prerequi	site	Chemistr	/						
Course S	ynopsis	This course will help students understand the web of the healthcare							
		system and open the gateway to their first community and clinical							
		visit as they aspire to be a healthcare professional							
Course O	utcomes (C	.Os):							
At the er	nd of the co	urse studer	nt shall be a	ble to:					
CO1		Identifies	s Physiothe	rapist's role	in various cli	nical and com	imunity		
		settings							
		(C2,P2)							
CO2		Explain t	he importa	nce and neo	essity of inte	racting with t	he village		
		panchayat and frontline health care workers. (C2, P2)							
Mapping	of Course	rse Outcomes (COs) to Program Outcomes (POs):							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7		
CO1	Х	х	Х						
CO2	Х	х	х		х				

Second Semester-B.P.T

GITAM School of Physiotherapy										
Name of the	Bachelor	Bachelor of Physiotherapy								
Program										
Course Title	Human A	Human Anatomy - II								
Course Code	PHTY-108	PHTY-1081								
Semester /	2 nd Seme	2 nd Semester / 1 st Year								
Academic year										
Number of	5 (3 theo	5 (3 theory + 2 Practical)								
Credits										
Course	Basic Kno	wledge (F	Pre-Universit	y level) of B	iology, Phys	ics and Chemistry				
Prerequisite										
Course Synopsis	The c	The course in Anatomy over the first year is designed to give the student								
	an in-	an in-depth knowledge of the structure of Human body. This module								
	provi	provides comprehensive knowledge about various tissues and organs								
	prese	present in the human body to understand the anatomical basis of health								
	and c	and disease. The major topics for this course include Embryology,								
	Endo	Endocrine Glands, Abdomen, Pelvis, Trunk and detailed anatomy of the								
	Lowe	Lower Extremity.								
Course Outcome	s (COs):									
At the end of the	course stu	dents sh	nall be able	to:						
CO1	Describe	the stru	cture of low	er extremi	ty, trunk, pe	elvis, abdomen,				
	endocrin	e glands	. Mention th	ne formatio	n and deve	lopment of the				
	embryo	and fetus	s. (C2)							
CO2	Explain t	he anato	mical relation	onship of v	arious stru	ctures present in				
	lower ex	tremity, t	runk, pelvis	and abdor	men. (C2)					
CO3	Outline t	he applie	ed anatomy	of lower ex	ktremity, tru	ınk, pelvis and				
	abdome	n (C2)								
Mapping of Cour	se Outcom	e Outcomes (COs) to Program Outcomes (POs):								
COs PO1	PO2	PO3	PO4	PO5	PO6	P07				
CO1 X			X							
CO2 X										
CO3 X			X							

		G	ITAM Sch	nool of Ph	nysiothera	ру					
Name of	the	Bachelor	of Physio	therapy							
Program											
Course 1	Title	Human Physiology II									
Course (Code										
Semeste	r /	Semester II; Year I									
Academi	ic year										
Number	of	Theory 4	Credits; F	Practical 1	Credit						
Credits											
Course		Basic Kn	owledge (l	Pre-Unive	rsity level)	of Biology,	Physics and				
Prerequi	site	Chemistr	у								
Courses	Synopsis	The cours in-depth k in the hun normal fur physiolog The major system, re Applied pl muscles a functions include pr amphibiar	e in Physio nowledge c nan body. T nctions of th ical basis of r topics for t enal System hysiology of and nervous are include actical topic n experimer	logy over t of fundame This module the organ sy f health and this course n, reproduc n pulmonal s system fu d. In addition cs related t <u>nts with rec</u>	he first year ntal reaction provides a vstems of th d disease include the tive system ry functions, blo on to the the o hematolo commended	r is designed ns of living on comprehens be body to un digestive sy , and physio , cardiovascu od functions eoretical clas gy, clinical ex demonstrati	to give the student an rganisms, particularly sive knowledge about iderstand the stem, endocrine logy of exercise. ular functions, and metabolic sses, the course will cons				
Course (At the er	Dutcomes nd of the c	(COs): ourse stu	dents sha	III be able	to:						
CO1		Outline tl system, i understa	ne normal renal syste nding of th	functions em, reprod ne physiolo	of the dige luctive sys ogical basi	stive syster tem of the b s of health (m, endocrine body to facilitate an (C2).				
CO2		Interpret adaptatic	the integra	ated functi onse to e	on of vario xercise (C2	ous organ sy 2)	ystems and their				
CO3		Explain t	he physiol	ogical bas	is of disea	se process	es (C2).				
CO4		Display s physiolog	elected pr gy (C1, P3	ocedures	that enhar	nce underst	anding of human				
Mapping	of Course	Outcome	es (COs) t	o Progra	m Outcom	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 Physiotherapy										
Name of	the	Bachelor of Physiotherapy									
Program											
Course 1	Title	General Psychology & Clinical Psychology									
Course (Code										
Semeste	r /	2 nd Semes	ster / 1 st Ye	ear							
Academi	ic year										
Number	of	3 (T)									
Credits											
Course		Basic Kno	wledge (Pi	re-University	level) of En	nglish					
Prerequi	site										
Course S	Synopsis	This cours	se enables	students to	understand	the various p	sychological				
		domains o	of human l	behavior and	how to inte	erpret them.	This will in turn				
		assist the	m to perce	eive the beha	vior of the	patient and p	lan treatment				
		methods	methods accordingly.								
Course C	Dutcomes	(COs):									
At the er	nd of the c	ourse students shall be able to:									
CO1		Explain t	he variou	s theories o	f psycholo	gy, methods	of studying				
		human b	ehavior. (C2, A3)							
CO2		Describe	the conc	epts of Grov	wth & Deve	elopment, Se	ensation, Attention				
		& Percep	otion, mot	ivation, frus	tration & co	onflict, emot	ions, intelligence,				
		thinking,	learning a	and persona	ality and sc	ocial psychol	ogy in shaping				
		human b	ehavior (0	C2, A3)							
CO3		Explain t	he conce	pt of social p	osychology	/ with empha	asis on leadership				
		qualities.	(C2, A3)								
CO4		Outline the	ne models	s of training	in clinical	psychology,	psychotherapy,				
		and their	implicatio	ons to physi	otherapy p	practice. (C2	, A3)				
Mapping	of Course	Outcome	es (COs)	to Program	Outcome	es (POs):					
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07				
CO1	x			x							
CO2	x	x	x x								
CO3	X	X			X		x				
CO4	X	X	x	x							

GITAM School of Physiotherapy											
Name o	f the	Bachelo	or of Phys	siotherapy							
Program	n										
Course	Title	Biophys	Biophysics								
Course	Code	e									
Semest	er /	II semes	ster/ Ist y	ear							
Academ	nic year										
Number	of	2 credits	s (1P,1T)								
Credits											
Course		Basic K	nowledge	e (Pre-Univ	ersity level) of Biology	y, Physics and Chemistry				
Prerequisite											
Course		In th	is course	e the stude	nts would b	e introduce	ed to the basic concepts in				
Synops	is	biop	hysics. T	his would	lay the prin	cipal found	ation to understand				
		electrotherapy and biomechanical principles of exercise.									
		The major topics which would be covered in this course are									
		biomechanical physics, electric supply, bioelectronics, radiation									
		phys	sics, hea	t cold and	sound.						
Course	Outcome	s (COs):									
At the e	nd of the	course s	students	shall be a	able to:						
CO1		Recall the	Recall the principles of physics and apply it to the human movement (C3,								
		P3)									
CO2		Extend	the know	ledge of pl	hysics for th	ne use of el	ectrophysical therapeutic				
		modaliti	es (C2)								
CO3		Begins t	test the	e working o	condition of	the electro	therapy modalities (P2)				
Mapping	g of Cour	se Outco	mes (CC	Ds) to Pro	gram Outc	omes (POs	5):				
COs	P01	PO2	PO3	PO4	PO5	PO6	P07				
CO1	x			x							
CO2	X			x]				
CO3	x			X							

GITAM School of Physiotherapy											
Name of t	the	Bachelor	of Physiothera	ру							
Program											
Course T	itle	Foundati	ons of Exercise	e therap	У						
Course C	ode										
Semester	·/	Semeste	r II; Year I								
Academi	c year										
Number o	of	Credits 4 (2T + 2P)									
Credits											
Course	•	Basic Knowledge of Human Anatomy, Human Physiology, Starting &									
Prerequis	site .	Derived	positions, Pass	ive and	Active movem	ients.					
Course S	ynopsis	In this co	ourse, the stude	ents will	learn the prin	ciples ai	nd effects of				
		exercise	as a therapeut	ic moda	lity and will lea	arn the t	ecnniques in the				
			on of physical it		include relevé	otion too	baiques breathing				
				l course			tural drainage				
		Goniome	s, massaye and	of home	program and	aroun e	vercises				
Course O	utcomes	(COs).	ary, principies e		program and	group c.	x01010000.				
At the en	d of the c	ourse stu	dents shall be	able to	:						
CO1		Outlines the indications and symbols the principles of relevation									
COT		technique	as breathing of	anu exp	soft tissue m	pies or r aninula	tions postural				
		drainade	home evercisi	and a		nroaram	(C2)				
		$ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $									
CO2	CO2 Performs and records the goniometry measurements of a joint in t										
		human b	ody (C2, P4)								
CO3		Displays	the techniques	of relax	ation, breathi	ng exerc	cises, soft tissue				
		manipula	tions, postural	drainag	e, home exerc	ise and	group exercise				
		program	(C2, P4)								
Mapping	of Course	e Outcom	es (COs) to Pr	ogram	Outcomes (P	0s) [.]					
							507				
LUS	P01	P02	P03	P04	P05	P06	P07				
CO1	Х			Х							
CO2	Х	X	X								
CO3	Х	X	X	X	X						

	GITAM School of Physiotherapy											
Name of t	the	Bachelor of	of Physiotherapy									
Program												
Course T	itle	Clinical ob	servation									
Course C	ode											
Semester	·/	Semester	II; Year 1									
Academic	c year											
Number o	of	1 (Clinica	al Practice)									
Credits												
Course		Basic know	Basic knowledge of clinical layout of a hospital, client registration									
Prerequis	site	departmer	process flow and working model of physiotherapy out patient department.									
Course S	ynopsis	Through this course, the students will observe the client interaction with clinicians, delivery of health care and physiotherapeutic skills in different clinical units of a hospital and in the community. Students will also learn the process of clinical documentation.										
Course Outcomes (COs): At the end of the course students shall be able to:												
CO1		Describes observation of client interaction with the clinician (P1, A1)										
CO2		Organizes the documentation of an observed clinical scenario and patient records in the Log book (P4).										
CO3		Explains t	he use of learned	skills in c	linical practice	e (P2)						
Mapping	of Course	Outcomes	s (COs) to Progra	am Outco	omes (POs):							
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07					
CO1	х											
CO2	Х											
CO3	Х			X								

Third Semester-B.P.T

		G	ITAM Sch	nool of Phy	ysiotherap	у		
Name of	the	Bachelor	of Physio	therapy				
Program	l							
Course 7	Fitle	Patholog	y and Micı	robiology				
Course (Code							
Semeste	er /	3 rd Sem /	2 nd Year					
Academ	ic year							
Number	of	4 (T) + 1	(P) = 5 cre	dits				
Credits								
Course		Knowledge of Human Anatomy and Human Physiology						
Prerequi	site	e						
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 treatment or suggest preventive measures to the patient						
Course (Dutcomes	(COs):				· · ·		
At the end of the course students shall be able to:								
CO1		Demonstr	ate knowle	due of cause	es mechani	isms types a	nd effects of cell	
		injury and	cell death	(C2)		, ijpee a.		
CO2		Describe	the Etio – p	athogenesis	s, the pathol	ogical effects	& the clinico -	
		pathologic	cal correlation	on of comm	on infection	s & non-infec	tious diseases. (C2)	
CO3		Describe normal & altered morphology of different organ systems in different						
		diseases	and describ	e the diseas	se process a	& their clinical	significance. (C2)	
CO4		Explain th	e morpholo	ogy of comm	on microbia	al organisms a	and related	
		pathogen	esis for dise	eases in hur	nans. (C2)			
CO5		Explain co	ommon lab	techniques,	and recogn	lize selected i	nicrobial and histo-	
Manning	of Course		a specifie	\mathbf{P} Program				
mapping								
COs	P01	PO2	PO3	PO4	PO5	PO6	P07	
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 Physic	otherapy						
Program										
Course Ti	tle	Pharmac	ology							
Course Co	ode									
Semester	1	3 rd Semester / 2 nd Year								
Academic	; year									
Number o	f Credits	3 (Theory)								
Course		Basic Kn	owledge	of Anatomy	& Physiolo	ogy of variou	is systems of the			
Prerequis	ite	human body.								
Course S	ynopsis	This course introduces pharmacology with emphasis on drug								
		interaction with organ function. The students will be able to relate the								
		effects of pharmacotherapy on human function.								
Course O	utcomes (C	Os):								
At the end	d of the cou	irse studer	nts shall b	be able to:						
CO1		Relates t	he pharm	nacological o	drugs used	l in various c	clinical conditions			
		to Physic	otherapy I	Practice (C2	2)					
CO2		Explain t	he therap	eutic indication	tions, dosa	ige, routes	of administration,			
		pharmac	ological a	action and a	dverse eff	ects of drug	s used in various			
		clinical c	onditions	affecting the	e human b	ody. (C2)				
Mapping	of Course (Dutcomes	(COs) to F	Program Out	comes (PC	s):				
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07			
CO1	x			x						
CO2	X									

GITAM School of Physiotherapy											
Name of	f the	Bachelo	r of Phys	siotherapy							
Progran	n										
Course	Title	Biomech	nanics ar	nd Kinesiol	ogy						
Course	Code										
Semeste	er /	Semeste	Semester 3; Year 2								
Academ	nic year										
Number	of	4									
Credits											
Course		The students should have the knowledge of Anatomy and									
Prerequ	isite	principles of mechanics influencing human movement									
Course		This course aids in understanding and applying basic principles									
Synops	Synopsis of biophysics in describing the structural integrity and functions						y and functions of				
		the hum	an musc	UIOSKEIEtal	system.	I ne studen	ts will learn about				
			lechanic	S UI VAIIUU	s joints, p		yan.				
Course	Outcome	s (COs):									
At the e	nd of the	course s	tudents	shall be a	ble to:						
CO1		Summa	rize hum	an movem	ents using	the conce	pts of kinematics				
		and kine	etics (C2))	-						
CO2		Explain	the princ	iples of bio	mechanic	s in descri	bing and				
		analyzing common functional activities and recognize altered									
		moveme	ent patte	rns (C2)							
Mapping	g of Cour	se Outco	mes (CC	Os) to Prog	gram Out	comes (PC	Ds):				
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07				
CO1	X			X							
CO2	X			X							

GITAM School of Physiotherapy										
Name of	f the	Bachelo	r of Phys	siotherapy						
Progran	n									
Course	Title	Practica	l in Biom	echanics a	nd Kinesi	ology				
Course	Code									
Semest	er /	Semester 3; Year 2								
Academ	nic year									
Number	of	1(Practical)								
Credits										
Course		The students should have the knowledge of Anatomy and								
Prerequ	isite	principle	es of med	chanics infl	uencing h	uman mov	ement			
Course		The stu	idents v	vill apply	basic pri	nciples of	biophysics and			
Synops	is	kinesiology in describing the structural integrity and functions of								
		numan r	human musculoskeletal system. They will perform movement and function evaluation under guidance							
		Tunction	evaluation	on under g	uluance.					
Course	Outcome	s (COs):								
At the e	nd of the	course s	tudents	shall be a	ble to:					
CO1		Explain	and disp	lay human	movemer	nts using th	e concepts of			
		kinemat	ics and k	kinetics (C2	2, P2)					
CO2		Explain	and perf	orm evalua	tion of po	sture, gait,	alignment of			
		human body segments and their integrated function using								
		principles of biomechanics and recognize altered movement								
		patterns	(C2, P4	, A2)						
Mapping	g of Cour	se Outco	mes (CC	Ds) to Pro	gram Out	comes (PC)s):			
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07			
CO1	X	X		X						
CO2	X	X		X						

GITAM School of Physiotherapy										
Name of	the	Bachelor	of Physiothera	ру						
Program										
Course T	itle	Theoretic	cal concepts in	Exercis	e therapy-l					
Course C	ode									
Semester	• /	Semeste	er III; Year 2							
Academie	c year									
Number o	of	Credits 3 (Theory)								
Credits										
Course		Knowled	Knowledge of anatomy, physiology, and foundational knowledge in							
Prerequis	site	exercise	exercise therapy.							
Course S	ynopsis	In this course, the students will learn the principles for application of therapeutic exercise, to restore physical function. The major topics for this course include Muscle Testing, Trick movements, Suspension therapy, Hydrotherapy, Therapeutic Gymnasium, Mobilization, Spinal traction, Stretching, and Proprioceptive Neuromuscular Facilitation (PNF)								
Course Outcomes (COs):										
At the end of the course students shall be able to:										
CO1		Describe muscle f	Muscle Testing	g and Ti	rick movemen	t for the	evaluation of			
CO2		Explain t applicatio Gymnasi techniqu	he principles, ir on of use of Sus ium, Mobilizatio es, and Proprio	ndicatior spension n techn ceptive	ns, contraindic n therapy, Hyd iques, Spinal t Neuromuscula	ation ar drothera traction, ar Facili	nd techniques for py, Therapeutic Stretching tation (PNF). (C2)			
Mapping	of Course	e Outcom	es (COs) to Pr	ogram	Outcomes (P	Os):				
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07			
CO1	х			Х						
CO2	x			x						

	GITAM School of Physiotherapy										
Name of	the	Bachelor of	of Physiotherapy								
Program											
Course T	itle	Practical ir	n Exercise therapy	/ -							
Course C	ode										
Semeste	r /	Semester	III; Year 2								
Academi	c year										
Number	of	3 (practical)									
Credits											
Course	•	Knowledge of anatomy, physiology, and foundational knowledge in									
Prerequis	site	exercise tr	nerapy.								
Course		In this cou	rse, the students v	will learn i	the principles	and hand	s on				
Synopsis	5		s for application of	inerapeu	nic exercise, to	u restore	pnysical				
		Tunction. T	ne major topics to		drothoropy Th	uscie Tes	sung, Trick				
		Gympasiu	m Mobilization S	ninal trac	tion Stretchin	a and Pr	, opriocentive				
		Neuromus	cular Facilitation (PNF)		y, and i h	ophocephive				
Course Outcomes (COs):											
At the en	At the end of the course students shall be able to:										
CO1		Performs e	evaluation of Mus	cle functi	on and Imitate	es Trick m	novements				
		(C2, P4)									
CO2		Explain the	e principles, indica	tions. co	ntraindication	and displa	avs the				
		techniques	s for application of	use of S	uspension the	rapy, Hyd	rotherapy,				
		Therapeut	ic Gymnasium, Mo	obilizatior	techniques, S	Spinal tra	ction,				
		Stretching	techniques, and F	Proprioce	ptive Neuromu	Jscular Fa	acilitation				
		(PNF). (Č2	2, P4)	•							
NA	- (0		- (00 -) (- D	0							
wapping	of Cours		s (COS) to Progra	am Outco	omes (POS):						
COs	P01	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	Х	X	X	X							
CO2	X	X	X	X							

GITAM School of Physiotherapy											
Name of	the	Bachelor	of Physic	otherapy							
Program	l										
Course 7	Fitle	Health Ir	formatics	and Clinic	al Observat	tion					
Course 0	Code										
Semeste	er /	IIIrd sem	IIIrd semester/IInd year)								
Academ	ic year										
Number	of	1 (T), 2(Clinical Practice)									
Credits											
Course		Basic Knowledge of a hospital and physiotherapy OPD layout and									
Prerequi	site	patient care process flow									
Course Synopsis Through this course, the students will learn Bioir						arn Bioinforr	natics and medical				
		documer	ntation alg	gorithms us	ed in Hospi	ital setups. 7	hey will observe				
		the client interaction with clinicians, delivery of health care and									
		physioth	erapeutic	skills in dif	ferent clinic	al units of a	hospital.				
Course Outcomes (COs):											
At the end of the course students shall be able to:											
CO1		Interpre	t definitior	ns, key con	cepts and t	erminology i	n the context of				
		Health Ir	formatics	s (C2)							
CO2		Explain of	client's int	eraction wi	th clinician,	begins to de	ocument clinical				
		informati	on as dic	tated by the	e clinical the	erapist (A3, I	P2)				
CO3		Explains	the use of	of learned s	kills in clini	cal practice	(P2)				
CO4		Displays	documer	ntation of a	n observed	clinical scer	ario and patient				
		records i	n the Log	j book (A3,	P2).						
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	Х	X									
CO2	Х	X									
CO3	X			X							
CO4	X	X									

Fourth Semester-B.P.T

GITAM School of Physiotherapy											
Name of t Program	the	Bachelor	of Physiothera	ру							
Course T	itle	Basics in Exercise	Patient Handli Therapy-II	ng Tech	iniques and T	heoretic	al Concepts in				
Course C	ode										
Semester Academic	· / c year	Semeste	r IV; Year 2								
Number of Credits	of	Credits	Credits 3(theory)								
Course Prerequis	site	The stud Biomech 1st, 2nd	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 the principles and techniques 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 (walking aids and wheelchairs), Functional re-education and gait rebabilitation exercises						nd techniques for olication of g exercises, ation, Mobility aids on and gait					
Course Outcomes (COs): At the end of the course students shall be able to:											
CO1		Apply the ensuring	e principles of b safety through	iomecha movem	anics for patie ent rehabilitat	nt hand ion (C3)	ling and transitions				
CO2		Explain t applicatio and Coo educatio	he principles, ir on and use of M rdination exerci n and Gait re-e	ndicatior lobility a ses, Po ducatior	ns, contraindic aids, Strength sture Re-educ n (C2)	ation ar ening Ex cation, F	nd techniques for kercises, Balance unctional re-				
Mapping	of Course	Outcom	es (COs) to Pr	ogram	Outcomes (P	Os):					
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07				
CO1	X			X							
CO2	X			X							
	GITAM School of Physiotherapy										
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Name of t Program	the	Bachelor o	of Physiotherapy								
Course T	itle	Practical in	n Patient Handling	g Techniq	ues and Exer	cise thera	apy-II				
Course C	ode										
Semester Academic	· / c year	Semester	IV; Year 2								
Number of Credits	of	Credits 2	Credits 2(practical)								
Course Prerequis	site	The stude Biomecha 1st, 2nd a	The student must have knowledge of Anatomy, Physiology, Biomechanics and exercise therapy methods and techniques learned in 1st, 2nd and 3rd semesters.								
Course S	ynopsis	In this course, the students will learn to apply hands-on principles and techniques for handling the patients in a rehabilitation setup and application of therapeutic exercise to restore physical function. The major practical 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.									
At the en	Course Outcomes (COs): At the end of the course students shall be able to:										
CO1		Displays a handling a rehabilitati	nd practices the p nd transitions ens on (C3, P4, A2)	orinciples suring saf	of biomechar ety through m	nics for pa novement	tient				
CO2		Explain the application and Coorc education	e principles, indica n and use of Mobil lination exercises, and Gait re-educa	ations, co lity aids, s Posture ation (C2	ntraindication Strengthening Re-education P4, A3)	and tech Exercise , Function	niques for s, Balance nal re-				
Mapping	of Course	e Outcome	s (COs) to Progra	am Outco	omes (POs):						
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07				
CO1	X	X	X	X							
CO2	X	X	X	X							

GITAM School of Physiotherapy										
Name of the	ne	Bachelor	of Physiotl	herapy						
Program										
Course Tit	le	Theoretica	al Concep [®]	ts in Electroth	nerapy					
Course Co	ode									
Semester	/	4th semes	4th semester/ II year							
Academic	year									
Number of	f Credits	3								
Course		Knowledg	e of anato	my, physiolo	gy, patholog	gy and biophy	vsics			
Prerequisi	te									
Course Sy	nopsis	This cours	se will ena	ble the stude	nts to unde	rstand the pri	nciples and concepts			
		in implem	enting the	evidence info	ormed elect	ro therapeution	c interventions with			
		sound clir	ical reaso	ning. The ma	ijor topics fo	or this course	include			
	neuromuscular electrical stimulation, transcutaneous electrical nerve									
		stimulatio	n, function	al electrical s	timulation,	interferential	currents, russian			
		currents, t	thermal, m	icrothermal,	non-therma	l and light ba	sed electrotherapy			
		modalities	6.							
Course Ou	utcomes (C	:Os):								
At the end	of the cou	rse studer	nts shall b	e able to:						
CO1		Describe	the workin	g principles a	and applicat	ion of electro	physical modalities			
		(C2)								
CO2		Explain th	e clinical r	easoning for	choice of el	ectrotherape	utic modalities in			
		clinical pra	actice (C2).						
Mapping o	of Course C	Outcomes (COs) to F	Program Out	comes (PO	s):				
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07			
CO1	X			X						
CO2	Х			X						

GITAM School of Physiotherapy									
Name of t	he	Bachelor	of Physiotl	herapy					
Program									
Course Ti	itle	Practical i	in Electroth	herapy					
Course Co	ode								
Semester	1	4th semes	ster/ IInd a	icademic yea	ır				
Academic	; year								
Number o	of Credits	4 credits							
Course		Knowledg	e of anato	my, physiolo	gy, patholo	gy and bioph	ysics		
Prerequis	ite								
Course S	ynopsis	This course will enable the students to practice the principles and concepts of							
		electrothe	erapeutic ir	nterventions	with sound	clinical reaso	ning. The major		
		topics for	this course	e include neu	iromusculai	r electrical sti	mulation,		
		transcutaneous electrical nerve stimulation, functional electrical stimulation,							
		interferen	tial current	ts, russian cu	irrents, ther	mal, microthe	ermal, non-thermal		
	and light based electrotherapy modalities.								
Course Outcomes (COs):									
At the end	d of the cou	irse studei	nts shall b	be able to:					
CO1		Display a	nd practice	e the safe me	thods to pro	epare the pa	tients, give		
		instructior	n, apply the	e interventior	n and effect	ively winds u	p the procedure for		
		the electro	otherapeut	tic session. (C3, P4, A2)				
CO2		Explain th	e principle	es, indication	s, contraind	ication and to	echniques for		
		applicatio	n and use	of neuromus	cular electr	ical stimulation	on, transcutaneous		
		electrical	nerve stim	ulation, funct	tional electr	ical stimulation	on, interferential		
		currents,	russian cu	rrents, therm	al, microthe	ermal, non-th	ermal and light		
		based ele	ctrotherap	y modalities.	(C2, P4, A	3)			
Mapping	of Course (Dutcomes	(COs) to F	Program Out	tcomes (PC	Ds):			
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07		
CO1	X	X	X	X					
CO2	Х	X	X	X					

	GITAM School of Physiotherapy								
Name of t	he	Bachelor	of Physic	otherapy					
Program									
Course Ti	tle	Theoretic	cal conce	pts in Physic	cal and Fu	nctional Diag	gnosis (Theory)		
Course C	ode								
Semester	1	4 th Seme	ster / 2 nd	Year					
Academic	; year								
Number o	of Credits	3							
Course		Knowled	ge of Ana	tomy, Phys	iology, Bio	chemistry, E	xercise Therapy		
Prerequis	ite	and Bion	and Biomechanics						
Course SynopsisThe course, Theoretical concepts in Physical and Functional Diagnosis is designed to give the student knowledge of vario physical and functional methods used for diagnosis and plan physiotherapy program. The major topics for this course incl clinical examination, special tests for diagnosis, useful Investigations for diagnosis and various outcome measures rehabilitation					d Functional edge of various sis and planning a course include useful e measures in				
Course Outcomes (COs):									
At the end	d of the cou	urse studei	nts shall b	e able to:					
CO1		Describe Physiothe	clinical rea rapy rehat	soning to intention (C2)	erpret the e	valuation proc	cess in		
CO2		Describe	the genera	al methods to	evaluate va	arious system	s and functions of		
		the huma	n body (C2	2)					
CO3		Describe the methods of performing special tests for various systems and							
		functions of the human body (C2)							
CO4		Read and	interpret o	common Inve	stigation re	ports (C2)			
CO5		Use appro (C2)	opriate out	come measu	res for struc	cture and fund	ction of human body		
Mapping	of Course (Outcomes	(COs) to F	Program Out	comes (PC)s):			
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07		
CO1	X			x		x			
CO2	X			X		X			
CO3	X			X		x			
CO4	Х			X		X			
CO5	X			X		X			

	GITAM School of Physiotherapy								
Name of t	:he	Bachelor	of Physic	otherapy					
Program									
Course T	itle	Practical	in Physic	al and Fund	ctional Diag	gnosis			
Course C	ode								
Semester	1	4 th Seme	ster / 2 nd	Year					
Academic	c year								
Number o	of Credits	3 (Practio	cal)						
Course		Knowled	ge of Ana	atomy, Phys	iology, Bio	chemistry, E	xercise Therapy		
Prerequis	site	and Biomechanics							
Course S	ynopsis	The o	course, P	ractical in P	hysical and	d Functional	Diagnosis is		
		desig	ned to de	evelop skill i	n performir	ng various p	hysical and		
		funct	ional eval	luation meth	ods used f	for diagnosis	and planning a		
		physiotherapy program. The major topics for this course include							
		hands-on training for clinical examination, special tests for							
		diagnosis. Interpretation of Investigations for diagnosis and variou							
		outcome measures in rehabilitation.							
Course O	utcomes (C	omes (COs):							
At the end of the course students shall be able to:									
CO1		Make use	of the ski	ills of clinical	reasoning to	o interpret the	e evaluation process		
		in Physiot	herapy rel	nabilitation (C	3, P2)				
CO2		Performs	evaluation	of various sy	stems and	functions of t	he human body (P4,		
		A2)							
CO3		Performs special tests for various systems and functions of the human body							
		(P4, A2)							
CO4		Read and	interpret of	common Inve	stigation re	ports (C2)			
CO5		Selects a	opropriate	outcome me	asures to ev	valuate struct	ure and function of		
		human bo	ody (C1)						
Mapping	of Course (Dutcomes	(COs) to F	Program Out	comes (PC)s):			
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07		
CO1	Х		X	X		Х			
CO2	x	X	X	x		X			
CO3	X	X	X	x		X			
CO4	x		X	x		X			
CO5	X		X	x		x			

			GITAM S	School of Ph	nysiotherapy				
Name of the	е	Bachelor	of Physic	otherapy					
Program									
Course Title	е	Ethics an	d Profess	sionalism					
Course Coo	de								
Semester /		4 th Seme	ster / 2 nd	Year					
Academic y	/ear								
Number of	Credits	1(Theory)						
Course		The stud	The student must have an inclination to be a professional in						
Prerequisite	е	Physiothe	Physiotherapy following ethical principles						
Course Syr	nopsis	Physiotherapy ethics acts as a "bridge" between theoretical bioethics and the bedside Professional standards. The goal is to improve the quality of patient care by identifying, analyzing, and attempting to resolve							
		the ethical problems that arise in practice. Physiotherapists are bound							
		by, not just moral obligations, but also by laws and official regulations							
		that form	the legal	framework	to regulate p	orofessional	practice. Hence,		
		this cours	se aims a	t instilling th	e virtues whi	ich a physio	therapist is		
		expected	to follow	so as to co	nduct ethical	ly as well as	s professionally		
		while pra	cticing pa	atient care.					
Course Out	tcomes (COs):							
At the end of	of the cou	urse stude	nts shall l	be able to:					
CO1		Explain t	he conce	ots and prin	ciples for eth	ical practice	e and mention the		
		regulator	y bodies	governing p	hysiotherapy	profession	(C2)		
CO2		Explain p	rofession	alism in phy	/siotherapy p	practice and	mention the		
		various d	letermina	nts for an id	eal physiothe	erapy profes	ssional (C2)		
Mapping of	Course	Outcomes	(COs) to	Program O	utcomes (PC)s):			
COs F	PO1	PO2	PO3	PO4	PO5	PO6	PO7		
CO1 >	X		Х		Х		Х		
CO2 >	X		Х		Х		Х		

GITAM School of Physiotherapy										
Name of	f the	Bachelo	r of Phys	siotherapy						
Progran	n									
Course	Title	Introduc	tion to E	vidence Ba	ased Prac	tice				
Course	Code									
Semest	er /	Semester 4; Year 2								
Academ	nic year									
Number	of	2								
Credits										
Course		The students should have knowledge of search strategies and								
Prerequ	isite	common study designs used for research								
Course		This cou	irse intro	duces the	concept c	of evidence-	based practice			
Synops	is	and dwells on procedures for evidence synthesis and rationale								
		for its utilization in Physiotherapy practice. The students will get								
		an opportunity to work on a short review project to summarize								
		the evide	ence for	a clinical c	ase scena	ario.				
Course	Outcome	s (COs):								
At the e	nd of the	course s	tudents	shall be a	able to:					
CO1		Explain	the scop	e of evider	nce-based	I practice (C	22)			
CO2		Describe	e the pro	cess of ev	idence sy	nthesis and	utilization in			
		clinical p	oractice ((C2)						
CO3		Applies	steps for	evidence	synthesis	(C3, P1)				
Mapping	g of Cour	se Outco	mes (CC	Ds) to Pro	gram Out	comes (PC)s):			
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07			
CO1	X					X				
CO2	X					X				
CO3		X		X		X				

GITAM School of Physiotherapy													
Name o	of the	Bachelo	or of Physiot	herapy									
Program	n												
Course	Title	Clinical	Clinical observation and practice										
Course	Code												
Semest	er /	Semest	er 4; Year 2										
Acaden	nic												
year													
Number	r of	Credits	Credits 1 (Clinical Practice)										
Credits													
Course	uleite	Knowle	age of the p	atient care	process	in a nospil	ai set up.						
Course	lisite	In this s	ourse the s	tudonte wil	l bogin to	documon	t the observed skills and						
Synons	is	will activ	velv take na	rt in evalua	tion of a	natient un	der supervision. The						
Cynops	15	student	will have th	e opportuni	tv to trv t	heraneutic	skills with clients under						
		supervision											
Course	Outcom	es (COs):										
At the e	end of th	e course	student sh	all be able	e to:								
CO1		Begins P2, A3)	to evaluate	and docum	nent patie	ent finding:	s under supervision (C2,						
CO2		Tries to	practice the	e therapeuti	ic skills u	nder supe	rvision (C2, P2, A3)						
Mappin	g of Cou	irse Outo	comes (COs	s) to Progra	am Outc	omes (PC)s):						
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07						
CO1	X	Х	X	Х	X								
CO2	X	X	X	X	X								

Fifth Semester-B.P.T

GITAM School of Physiotherapy											
Name of	f the	Bachelo	or of Phys	siotherapy							
Program	n										
Course	Title	Clinical O	rthopedics	s &Traumatol	ogy						
Course	Code										
Semest	er /	Semest	Semester 5; Year 3								
Academ	nic year										
Number	of	4	4								
Credits											
Course		Knowled	Knowledge of Anatomy, Physiology, Microbiology and Pathology								
Prerequ	isite										
Course		This cou	This course deals with injuries, pathological basis, evaluation,								
Synops	is	treatment planning, conservative and surgical management									
		strategies for common neuro-musculoskeletal disorders.									
Course Outcomes (COs):											
At the end of the course student shall be able to:											
CO1		Outline	causes,	clinical feat	ures, and	evaluation	of common				
		musculo	oskeletal	disorders.	(C2)						
CO2		Explain	the clinic	cal decision	-making p	process for	conservative				
		and sur	gical mar	nagement o	of commo	n musculos	keletal				
		conditio	ns (C2)								
CO2		Describ	e the cor	nservative,	surgical a	ind post-su	rgical				
		manage	ment of	musculosk	eletal con	ditions (C2))				
Mapping	g of Cour	se Outco	mes (CC	ວs) to Proູ	gram Out	comes (PC	Ds):				
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07				
CO1	X			Х							
CO2	X			X							
CO3	X			X							
CO4											

GITAM School of Physiotherapy								
Name of the	Bachelor of Physiotherapy							
Program								
Course Title	Clinical Neurology & Neurosurgery							
Course Code								
Semester /	Semester V; Year 3							
Academic year								
Number of Credits	4 Credits (Theory)							
Course	Basic Knowledge of Neuroanatomy, Neurophysiology and							
Prerequisite	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 Outcomes (COs):							
At the end of the co	burse student shall be able to:							
CO1	Understand and apply the knowledge for diagnosis of common							
<u> </u>	Neurological conditions							
002								
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 School of Physiotherapy										
Name of	the	Bachelor of	of Physiot	herapy						
Program										
Course 7	Title	General Me	edicine & I	Psychiatry						
Course 0	Code									
Semeste	r /	Semester	V / Year	3						
Academi	ic year									
Number	of	4 Credits	(Theory)							
Credits										
Course		Thorough k	knowledge	of anatomy &	physiology of vari	ous systems	of the			
Prerequi	site	human body and basic knowledge of basic pathology, microbiology &								
		pharmacolo	pharmacology.							
Course S	Synopsis	This cou	This course gives extensive knowledge about various medical							
		conditions of the human body including general medicine, dermatology,								
Course	Jutcomos	paediatrics and psychiatry.								
Course Outcomes (COs):										
					<u> </u>	0.14				
CO1		Describe Etiology, Pathophysiology, Signs & Symptoms & Management of the								
000		Various Endocrinal, Metabolic, Geriatric& Nutrition Deficiency conditions.								
CO2		Describe Etiology, Pathophysiology, Signs & Symptoms, Clinical, Evaluation&								
		Nanageme	ent of the v	arious Rheum	latological, Cardiova	ascular and				
		Respiratory	Condition	15.						
CO3		Interpret C	Chest X-ray	, Blood gas an	alysis, P.F.T. finding	gs, Blood				
		investigatio	ons done f	or various med	dical and Rheumato	logical cond	itions			
<u> </u>		Deceribeth	o Dothook	violeau Cian		ical Factures				
604		Describe tr	ne Patriopr	iysiology, Sign	s & Symptoms, Clin mmon Skin Conditio	ical Features), 			
		EXaminatio		gement of Col		115				
CO5		Describe th	ne principle	es of Managen	nent at the Medical	Intensive Ca	are Unit.			
Manning	of Course	Outcomo		o Program (Jutcomos (POs):					
Mapping		Outcome	5 (003) 1				_			
COs	P01	PO2	PO3	PO4	PO5	PO6	PO7			
CO1	Х	X	Х	X	X	X	Х			
CO2	Х	X	X	X	X	X	Х			
CO3	X		X	X	X	X	Х			
CO4	Х			X	X	X	Х			
CO5	X		X	X	X	X	X			

GITAM School of Physiotherapy										
Name of	the	Bachelo	or of Phys	siotherapy						
Program										
Course T	itle	General S	Surgery , B	urns and Plas	tic Surgery					
Course C	ode									
Semeste	r /	Semest	Semester 5; Year 3							
Academi	c year									
Number of	of	4	4							
Credits										
Course		The stu	The students should have the knowledge of Anatomy,							
Prerequis	site	Physiol	ogy, and	Pathology						
Course		This co	urse hel	ps the stud	ent to hav	e a genera	al understanding			
Synopsis	5	of the s	surgical c	conditions,	the physic	otherapist v	would encounter			
		in their practice. This knowledge helps the therapist to plan an								
		appropriate pre-operate and post-operative therapeutic								
Course Outcomes (COs):										
At the en	d of the	course s	student s	shall be ab	le to:					
CO1		Explain t	he comm	on indicatio	ns and list	s the comm	on investigations			
		used for	the surgion	cal procedui	es (C2)					
CO2		Explain t	he surgic	al managen	nent of con	nmon surgio	cal conditions and			
		post-sur	gical care	(C2)		· .	L (00)			
CO3		Explain t	he compl	ications of c	common su	irgical proce	edures (C2)			
CO4		Outline t	he prever	ntion strateg	ies and pro	ecautions to	be taken for			
		common	surgical	complication	ns (C2)					
Mapping	of Cour	se Outco	omes (CO	Os) to Pro	gram Out	comes (P	Os):			
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07			
CO1	X			X						
CO2	X			X						
CO3	X			X						
CO4	X			X						

	GITAM School of Physiotherapy										
Name of	the	Bachelor of	Bachelor of Physiotherapy								
Program											
Course 1	Title	Clinical In	Clinical Investigations and Radiodiagnosis								
Course (Code										
Semeste	r /	Semester	V; Year 3								
Academi	ic year										
Number	of	2 Credits	(Theory)								
Credits											
Course		Comprehe	ensive knov	vledge of H	uman Anatomy,	Human Phys	siology,				
Prerequi	site	Biochemis	stry and Ph	ysical and I	Functional Diagn	osis					
Course S	Synopsis	The cours year is de interpretat The major Physical a diagnostic	The course, Clinical Investigations and Radiodiagnosis, over the Third year is designed to give the student an in-depth knowledge about interpretation of various diagnostic tests used in clinical practice. The major topics for this course are Cellular and Chemical Analysis, Physical and visual examination, Electrodiagnostic tests and Radio								
Course 0	Dutcomes	(COs):									
At the er	nd of the c	ourse stud	ent shall b	e able to:							
CO1		Understar	nd and cond	ceptualize t	he process of clir	nical diagnos	sis				
CO2		Understar used in ph	nd and inter hysiotherap	pret the fin y	dings of commor	Blood anal	ysis tests				
CO3		Perform a	nd interpre	t various Pł	nysical and Visua	I examinatio	on tests				
CO4		Understar tests usec	nd and inter I in physioth	pret the fin herapy	dings of commor	electro dia	gnostic				
CO5		Understar tests usec	nd and inter I in physioth	pret the fin herapy	dings of commor	Radio diag	nostic				
Mapping	of Course	Outcome	s (COs) to	Program C	Outcomes (POs)	:					
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	Х			X							
CO2	Х			X							
CO3	X			X							
CO4	Х			X							
CO5	Х			X							

GITAM School of Physiotherapy													
Name of t	he	Bachelor	Bachelor of Physiotherapy										
Program													
Course T	itle	Evaluative	Evaluative clinical practice and clinical reasoning										
Course C	ode												
Semester	1	Semester	VI; Year 3										
Academic	c year												
Number o	of	Credits 5											
Credits													
Course													
Prerequis	site												
Course S	ynopsis	- In this co	purse, the students	s will lear	n about in-dep	oth hands	-on						
		knowledg	e about various m	edical de	partments and	d their ref	erral						
		systems.											
		The Majo	r topics of this cou	irse are g	eneral observ	ation rega	arding the						
		assessme	ent, procedures ar	ia equipri	ients they use	in amere	ent						
Course O	utcomos		nis al uniereni sce	Filanos.									
At the en	d of the c	(COS). ourse stud	lant shall ha ahla	to									
At the end				10.									
CO1		Understar	nd the basic conce	ept of fun	ctioning of a m	nedical de	epartment						
		(C2).											
CO2		Infor the h	asics of assessm	ont intor	pretation of inv	<u>estinatio</u>	ns(C2)						
002			000000000000000000000000000000000000000	ent, inter		resilyallo	113 (02)						
CO3		Understar	nd the basic conce	ept of dia	gnosis, manag	jement ar	nd different						
		strategies	used in respectiv	e medica	l departments								
Manning	of Course	Outcomo	c (COc) to Broar	om Outo	amac (BOc);								
wapping		Outcome	s (COS) to Progra		onies (POS).								
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07						
CO1	Х			X									
CO2	Х			Х									
CO3	X			X									

Sixth Semester-B.P.T

	GITAM School of Physiotherapy									
Name of t	he	Bachelor	Bachelor of Physiotherapy							
Program										
Course Ti	itle	Physiothe	rapy in Mu	usculoskeleta	I Sciences-	I				
Course C	ode									
Semester	1	Semester	VI; Year 3	3						
Academic	; year									
Number o	of Credits	3 Credits	(Theory)							
Course		Comprehe	ensive Kno	owledge of Cl	inical Ortho	pedics				
Prerequis	ite									
Course Synopsis The course "Physiotherapy in Musculoskeletal Sciences I", over the third							", over the third			
		year, is designed to give a student an in-depth knowledge about								
		physiotherapy management and various disorders of the musculoskeletal								
		system. H	ere the stu	udents integra	ate the know	wledge gaine	d in Clinical			
		Orthopedi	CS.							
Course O	utcomes (C	:Os):								
At the end	d of the cou	irse studer	nt shall be	e able to:						
CO1		Explain th	e Physioth	nerapy manag	gement follo	owing elective	surgeries and post-			
		traumatic	musculos	keletal condi	tions (C2)					
Mapping	of Course (Dutcomes	(COs) to F	Program Out	comes (PC)s):				
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07			
CO1	Х			X						

	GITAM School of Physiotherapy									
Name of	the	Bachelor of	Bachelor of Physiotherapy							
Program										
Course 7	Title	Physiothe	Physiotherapy in Neurological Sciences and Paediatrics- I							
Course (Code									
Semeste	r /	Semester	Semester VI; Year 3							
Academ	ic year									
Number	of	3 Credits	(Theory)							
Credits										
Course		Comprehe	ensive kn	owledge of C	linical Neuroscie	nces				
Prerequi	site									
Course S	Synopsis	The cours	e, Physio	therapy in N	eurological Scien	ces and Pae	diatrics-I,			
		over the	Third ye	ar is desigi	ned to give the	student ar	in-depth			
		knowledge	e about	Physiothera	apy assessment	t and phys	siotherapy			
		managem	ent of val	rious disorde	rs of the Nervous	s system.	mont and			
		managem	ent of De	emvelinating	disorders of CNS	S infectious	disorders			
		of CNS, T	raumatic	disorders of	f CNS, Neoplasm	ns, Epilepsy	disorders			
		and Deve	elopmenta	al disorders	of a child and	other misc	ellaneous			
		conditions	affecting	the Nervous	s system.					
Course (Dutcomes	(COs):								
At the er	nd of the c	ourse stud	ent shall	be able to:						
CO1		Perform a	compret	nensive Phys	siotherapy asses	sment of Ne	urological			
		Patient								
CO2		Plan appr	opriate go	pals for physi	iotherapy treatme	ent for variou	S			
		neurologic	cal conditi	ions						
CO3		Understar	nd the cor	ncepts of bas	sic neuro-rehabilit	ative approa	ches			
		including I	PNF, Brui	nnstrom and	Roods.					
<u> </u>		Undorstar	d and im	plomont the	nhysiothorony on	nroachae ha	ead on			
004		theories o	f neurona	al plasticity						
			i nourone	i plaotiony						
CO5		Perform a	compreh	ensive deve	lopmental screen	ing of a child	ł			
Mapping	of Course	e Outcome	s (COs) t	o Program (Outcomes (POs)	:				
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7			
CO1	Х	X	X	X	X	X	X			
CO2	X	X	X	X	X	X	X			
CO3	Х		X X X X X							
CO4	Х			X	X	X	X			
CO5	Х		X	X	X	X	X			

	GITAM School of Physiotherapy										
Name of t	:he	Bachelor	of Physioth	nerapy							
Program											
Course T	itle	Cardio-pu	Cardio-pulmonary physiotherapy in medical and surgical conditions- 1								
Course C	ode										
Semester	1	Semester	6 / 3rd yea	ar							
Academic	c year										
Number o	of Credits	Theory - 3	3 credits								
Course		A basic kr	nowledge a	about anatom	y,physiolog	y,biomechan	ics,exercise therapy				
Prerequis	site	and clinica	al cardio p	ulmonary sci	ences						
Course S	ynopsis	The c	ourse in C	ardio respira	tory physiot	herapy is a co	omprehensive				
		cours	e that inclu	udes but is no	ot limited to	physical and	breathing				
		exerc	ises,risk fa	ctor modifica	tion and ps	ychological co	ondition of				
		individ	duals with	cardio respira	atory condit	ions					
		This c	ourse invo	olves advance	ed studies i	n physiothera	py practice related				
		to the	pulmonar	y,cardiac and	l vascular s	ystems,includ	ling ICU				
		mana	gement an	nd surgical ca	re						
Course O	utcomes (C	COs):									
At the end	d of the cou	irse studer	nt shall be	able to:							
CO1		Understar	nd the clini	cal aspects c	f respirator	y conditions a	ind chest				
		physiothe	rapy techn	iques							
CO2		Enlist the	impairmer	nts and plan t	herapy acc	ordingly					
CO3		Explain pl	nysiothera	peutic technic	ques in the	management	of respiratory				
		conditions	and critic	al care		-					
CO4		Demonstr	ate chest p	physiotherap	y technique	s in various c	linical conditions				
CO5		Demonstr	ate the ski	lls of evaluat	ion and ma	nagement in v	various respiratory				
		conditions	and critic	al care unit		genera					
Mapping	of Course C	Dutcomes ((COs) to P	Program Out	comes (PC)s):					
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07				
CO1				X							
001				^							
CO2	X			X							
CO3		X	x x x x								
CO4		x		X		Х	X				
CO5		X		X		X	x				

GITAM School of Physiotherapy											
Name of the	Name of the Bachelor of Physiotherapy										
Program											
Course Title	Physi	otherapy Cli	nical Practice in	Musculoske	letal Science	es-l					
Course Code											
Semester /	Seme	ester VI; Yea	r 3								
Academic year											
Number of Credi	t s 2 Cre	dits (Practica	al)								
Course	Comp	orehensive K	nowledge of Cli	nical Orthop	edics						
Prerequisite											
Course Synopsis	5										
Course Outcome	s (COs):										
At the end of the	course st	udent shall	be able to:								
CO1	Displa	ay the comp	rehensive evalua	ation and pla	in physiothei	rapy management in					
	musc	uloskeletal c	onditions (Post-	traumatic an	d elective or	thopedic surgeries)					
	(C2, F	P3, A2)									
Mapping of Cour	se Outcon	nes (COs) to	o Program Outo	comes (POs):						
COs PO1	PO2	PO3	PO4	PO5	PO6	P07					
CO1 X			X								

		Gľ	TAM Scho	ol of Physi	otherapy					
Name of	the	Bachelor of	Bachelor of Physiotherapy							
Program										
Course 1	Title	Physiothe	rapy Clinica	al Practice i	n Neurological Sci	ences and				
		Paediatric	s- I							
Course C	Code									
Semeste	r /	Semester	VI; Year 3							
Academi	ic year									
Number	of	2 Credits	(Practical)							
Credits										
Course		Comprehe	ensive knov	vledge of C	linical Neuroscienc	es				
Prerequi	site									
Course S	Synopsis	The course Paediatrics Hands on physiothera The major manageme Traumatic Developme affecting th	The course, Physiotherapy Clinical Practice in Neurological Sciences and Paediatrics- I, over the Third year is designed to give the student an in-depth Hands on knowledge about methods of Physiotherapy assessment and physiotherapy management of various disorders of the Nervous system. The major topics for this course are Physiotherapy assessment and management of Demyelinating disorders of CNS, infectious disorders of CNS, Traumatic disorders of CNS, Neoplasms, Epilepsy disorders and Developmental disorders of a child and other miscellaneous conditions affecting the Nervous system							
Course C At the er	Dutcomes nd of the c	(COs): ourse stud	ent shall b	e able to:						
CO1		Perform a d	comprehensi	ive Physioth	erapy assessment of	f Neurologic	al Patient			
CO2		Plan and de neurologica	esign approp al conditions	oriate goals f	or physiotherapy trea	atment in va	arious			
CO3		Demonstra Brunnstrom	te the basic and Roods	neuro-rehab	ilitative approaches	including Pl	NF,			
CO4		Implement plasticity	the physioth	erapy appro	aches based on theo	ories of neu	ronal			
CO5		Perform a d	comprehensi	ive developn	nental screening of a	ı child				
Mapping	of Course	Outcome	s (COs) to	Program C	Outcomes (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 I	itle	Clinical Prac	Clinical Practice in Cardiovascular and Pulmonary Physiotherapy -I										
Course C	Code	-											
Semeste	r /	Semester	VI; Year 3										
Academi	c year												
Number	of	Credits 2(practical)										
Credits				() 4 1									
Course	cito	Comprene	nsive Knowledge	of Medica	al and Surgi	cal Conditio	ons.						
Course	Sile	In this co	uree the students	will loorp	about in de	nth handa	<u></u>						
Synonsis	•		uise, lite sludenis	f oordio r		pui nanus-							
Synopsia	2	assessme	about methous of	ny mana	dement of v	arious diso	rders in						
		medical ar	nt and physiothera	ipy mana ms	gement or v								
		The Major	topics of this cour	se are Ca	ardio-Respir	atory Phys	iotherapy						
		assessme	nt and manageme	nt of resp	piratory diso	rders of lun	as.						
		infectious	disorders of heart	and lung	s and other	miscellane	bus						
		conditions	affecting the cardi	o-respira	tory system	S.							
Course C	Outcomes	(COs):		•									
At the en	d of the o	course stud	lent shall be able	to:									
CO1		Perform a	comprehensive ca	ardio-resp	piratory phys	siotherapy a	assessment						
		for medica	I and surgical cone	ditions.									
CO2		Plan and d	lesign appropriate	goals for	cardio-resp	piratory phy	siotherapy						
		treatment i	in various medical	and surg	ical condition	ons.							
<u> </u>		Domonotro	to booio cordio ro	opiratory	robobilitotiv	o opproach	og which						
003		includes to	ale Dasic Carulo-re	spiratory		e appilaci							
		techniques	s and physiotherar	v technic	volume, and uses to decr	ease the w	ork of						
		breathing	and physical orap	y toonine									
		broating											
Mapping	of Cours	e Outcome	s (COs) to Progra	am Outco	omes (POs)):							
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07						
CO1	X			X									
CO2	X			X									
CO3	X			X									

			GITAM So	chool of Phy	siotherapy	,					
Name of t	he	Bachelor of	of Physioth	herapy							
Program											
Course Ti	tle	PATIENT S	SAFETY AN	ID QUALITY II	N HEALTHC	ARE					
Course C	ode										
Semester	1	VI Semes	ter/Acader	mic year III							
Academic	; year										
Number o	of Credits	2									
Course		Students s	should hav	ve acquired k	nowledge o	n Human ana	tomy, physiology,				
Prerequis	ite	Biomecha	nics, Exer	cise therapy	and Electro	therapy both	theoretically and				
		practically	and spec	iality subjects	s like Gener	al medicine, (General surgery,				
		Pediatrics	, OBG etc								
Course S	ynopsis	This cours	se helps st	udents learn	the followin	ig basics on:					
		- Q	uality and	nealthcare							
		- El	mergency	care and life	support ma	inceuvres.					
		- BI	omedical w	vaste and its m	lanagement	and now to pro	otect the				
		ei - In	foction pro	 Vontion and c	ontrol and riv	ks of antibioti	c registance and how				
		- 111					L Tesistance and now				
			onconts on	disastor mana	comont and	its importance					
Course O	utcomes (C	- ((`()e)·			gement and						
Δt the end	d of the cou	vosj. Irse studer	nt shall he	able to:							
CO1		Define the	e basic cor	ncepts, stand	ards, norms	s and tools us	ed to provide				
		quality in	healthcare	e and the role	e of NABH i	n it.					
CO2		Describe t	heir unde	rstanding wit	h the basic	s of emergen	cy care and present				
_		their skills	s on life su	pport manoe	euvres.						
CO3		Identify th	ne various	types of Bior	nedical was	ste and its ma	nagement, and				
		learn the	appropria	te measures	to protect c	oneself and th	e environment.				
CO4		Gained kn	owledge o	on the impor	tance of inf	ection prever	ntion and control,				
		the variou	is tools inc	corporated to	o achieve ar	nd also unders	stand the details on				
		antibiotic	resistance	e and the too	ls develope	d in hospitals	to minimize it.				
CO5		Define wh	nat disaste	r manageme	nt is and ca	tegorize the v	various concepts				
		covered u	nder disas	ster manager	nent.						
Mapping	of Course (Dutcomes ((COs) to F	Program Out	comes (PO	s):					
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07				
CO1	X	X		X		X					
CO2	X	X									
CO3	X										
CO4	Х	X		X							
CO5	Х										
Course O At the end CO1 CO2 CO3 CO4 CO5 Mapping COs CO1 CO2 CO3 CO1 CO2 CO3 CO4 CO3 CO4 CO5	utcomes (C d of the cou of Course (PO1 X X X X X X X X	- Ei - Bi er - In to - Co COS): arse studer Define the quality in Describe t their skills Identify th learn the s Gained kn the variou antibiotic Define wh covered u Dutcomes (PO2 X X X	 Guality and realiticate Emergency care and life support manoeuvres. Biomedical waste and its management and how to protect the environment. Infection prevention and control and risks of antibiotic resistance and how to minimise it. Concepts on disaster management and its importance. Os): rse student shall be able to: Define the basic concepts, standards, norms and tools used to provide quality in healthcare and the role of NABH in it. Describe their understanding with the basics of emergency care and present their skills on life support manoeuvres. Identify the various types of Biomedical waste and its management, and learn the appropriate measures to protect oneself and the environment. Gained knowledge on the importance of infection prevention and control, the various tools incorporated to achieve and also understand the details on antibiotic resistance and the tools developed in hospitals to minimize it. Define what disaster management. PO2 PO3 PO4 PO5 PO6 PO7 X Y <								

	GITAM School of Physiotherapy									
Name of	f the	Bachelo	Bachelor of Physiotherapy							
Progran	n									
Course	Title	Introduction to Research Methods, Biostatistics and Research								
		Protocol	ļ							
Course	Code									
Semest	er /	Semeste	er 6; Yea	ar 3						
Academ	nic year									
Number	of	4								
Credits										
Course		The stud	dent sho	uld have ba	asic knowl	ledge on se	earch strategies			
Prerequ	isite	in datab	ases and	d Evidence	Based Pr	ractice				
Course		This cou	urse intro	duces com	mon term	ninologies u	sed in health			
Synops	is	care res	earch ar	nd biostatis	tics. The s	student will	be guided to			
		identify a	a resear	ch questior	relevant	to the field	of			
		physioth	erapy, fo	ormulate a	research	protocol an	d apply for			
		approva	l from re	levant regu	latory aut	thorities bas	sed on research			
		questior	ns and m	ethods add	pted.					
Course	Outcome	s (COs):								
At the e	nd of the	course s	tudent s	shall be ab	le to:					
CO1		Outline	research	methods s	uitable fo	r a researc	h question (C2)			
CO2		Relates	statistica	al methods	and interp	orets the re	sult analysis			
		(C2)					-			
CO3		Identifie	s a resea	arch questi	on and pro	epares a re	search protocol			
		(C3, P2))							
Mapping	g of Cour	se Outco	mes (CC	Ds) to Pro	gram Out	comes (PC)s):			
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07			
CO1	X			Х						
CO2	X					X				
CO3		X	X							

GITAM School of Physiotherapy											
Name of the	E	Bachelor of Physiotherapy									
Program											
Course Title	F	Pain Sciences									
Course Code											
Semester /	3	Semeste	er 6; Yea	ar 3							
Academic ye	ar										
Number of		1 (Theoi	⁻ y), 1 (Pr	actical)							
Credits											
Course	E	Basic kno	owledge (on applied	anatomy a	nd physiolog	gy, skill in principles				
Prerequisite	(of exercis	se therap	y and elect	ro-physica	I modalities.					
Course	-	This cour	se will he	elp the stud	lent to und	erstand the	mechanisms,				
Synopsis	á	assessm	ent, and	manageme	ent strategie	es for acute	and chronic pain				
Course Outco	omes	(COs):									
At the end of	the c	ourse s	tudent s	shall be a	ble to:						
CO1	E	Explains	the perip	heral and o	central med	hanisms of	Pain (C2)				
CO2	I	Identifies	outcome	e measures	for the as	sessment of	chronic pain (C2,				
	/	A3)									
CO3	F	Plans co	mprehen	sive treatm	ent plan fo	r the manag	ement of chronic				
	l F	pain (C3,	A3)			()	•				
Mapping of C	ourse	e Outco	mes (CC	Ds) to Pro	gram Ou	tcomes (P	Os):				
COs PO1		PO2	PO3	PO4	PO5	PO6	PO7				
CO1 X											
CO2 X											
CO3 X											

GITAM School of Physiotherapy										
Name of	the	Bachelor of	Bachelor of Physiotherapy							
Program										
Course 1	Title	Balance R	Balance Rehabilitation							
Course C	Code									
Semeste	r /	Semester	VI; Year 3							
Academi	c year									
Number	of	2 Credits	(1-Theory ·	+ 1- Practic	al)					
Credits										
Course		Comprehe	ensive Knov	wledge of N	euroanatomy, Neu	rophysic	ology and			
Prerequi	site	Neuropath	nology							
Course S	Synopsis	The cours give the s Balance, i various co	The course, Balance Rehabilitation over the Third year is designed to give the student 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 C	Dutcomes	(COs):								
At the en	nd of the c	ourse stud	ent shall b	e able to:						
CO1		Describe b	ooth centra	l and periph	eral sensory and m	notor con	mponents of			
		the postur	al control s	ystem.						
CO2		List comm appropriat	only used l e for clients	balance tes s at low, mo	ts, and distinguish v oderate, and high le	which ar vels of f	e unction			
CO3		Analyze th that affect	ne interaction balance.	on of individ	lual, task, and envir	onment	al factors			
CO4		Describe h	now to plan	and progre	ess balance exercis	e progra	ams			
CO5		Describe l reorganiza	now to facil ation to rega	itate adapta ain control (ation and central ne of balance and deci	rvous sy rease di	/stem zziness.			
Mapping	of Course	e Outcome	s (COs) to	Program C	outcomes (POs):					
COs	PO1	PO2	PO3	PO4	P05	PO6	P07			
CO1	Х									
CO2	X			X						
CO3	X			X						
CO4	X			X						
CO5	X			X						

Seventh Semester-B.P.T

GITAM School of Physiotherapy										
Name of t	he	Bachelor	of Physiotl	herapy						
Program										
Course T	itle	Physiotherapy in Musculoskeletal Sciences -II								
Course C	ode									
Semester	·/	Semester	VII; Year	4						
Academic year										
Number o	Number of Credits 3 Credits (Theory)									
Course	urse Comprehensive Knowledge of "Clinical Orthopedics" and "PT in									
Prerequis	site	Musculos	keletal Sci	ences l" leari	nt in the pre	vious years				
Course Synopsis The course "Physiotherapy in Musculoskeletal Sciences II", over t						es II", over the				
	fourth year, is designed to give a student an in-depth knowledge about									
		physic	otherapy n	nanagement	and various	disorders of	the musculoskeletal			
		system. Here the students integrate the knowledge gained in Clinical								
		Orthopedics and PT in Musculoskeletal Sciences I learnt in the previous								
		years								
Course O	utcomes (C	COs):								
At the end	d of the cou	irse studer	nt shall be	e able to:						
CO1		Explain th	e physioth	nerapy manag	gement for s	soft tissue cor	nditions, infectious			
		conditions	, metaboli	ic condition o	f the muscu	loskeletal sys	stem (C2)			
Mapping	of Course (Dutcomes	(COs) to F	Program Out	comes (PO	s):				
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07			
CO1	X			X						

GITAM School of Physiotherapy												
Name of	the	Bachelor of	Bachelor of Physiotherapy									
Program												
Course 1	Title	Physiothe	rapy in Ne	eurological S	ciences and Paed	iatrics- II						
Course (Code											
Semeste	r /	Semester	VII; Year	4								
Academ	ic year											
Number	of	3										
Credits												
Course		Comprehe	Comprehensive knowledge of Clinical Neurosciences and basic									
Prerequi	site	Physiothe	Physiotherapy assessment formats of Neurological conditions.									
Course	Synopsis	This cour Physiothe The stude rehabilitati couse giv various ne	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 (Dutcomes	(COs):	(COs):									
At the er	nd of the c	ourse stud	ent shall	be able to:								
CO1		Understand the various theories of motor control & motor learning										
CO2		Understar including I	nd the cor NDT and	ncepts of bas Motor relearr	ic neuro-rehabilita ning Programme.	tive approa	ches					
CO3		Understar neuro-reha	nd the var abilitation	ious advance	ed physiotherapeu	tic applicati	ons in					
CO4		Plan appro	opriate go cal conditi	oals for physio ons	otherapy treatmen	t for variou	S					
CO5		Plan appropriation paediatric	opriate go neurolog	bals for physic ical condition	otherapy treatmen s	t for variou	S					
Mapping	of Course	Outcome	s (COs) t	o Program C	Outcomes (POs):							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7					
CO1	X	X	X	X	X	X	X					
CO2	Х	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					

GITAM School of Physiotherapy											
Name of	the	Bachelor	of Physiotl	herapy							
Program											
Course T	itle	Cardio-pu	Ilmonary p	hysiotherapy	y in medica	al and surgica	al conditions- 2				
Course C	ode										
Semester	·1	Semester	7 / 4th ye	ar							
Academie	c year										
Number of	of Credits	Theory - 3	Theory - 3 credits								
Course		A basic kr	nowledge a	about anator	my,physiolo	ogy,biomech	anics, exercise therapy				
Prerequis	site	and clinic	al cardio p	ulmonary sc	iences						
Course S	ynopsis	The c	ourse in C	ardio respira	atory physic	otherapy is a	comprehensive				
		cours	e that inclu	udes but is n	ot limited to	o physical ar	nd breathing				
		exerc	ises,risk fa	actor modific	ation and p	sychologica	condition of				
		individ	duals with	cardio respi	ratory cond	litions					
		This c	course invo	olves advand	ced studies	in physiothe	erapy practice related				
		to the	pulmonar	y,cardiac an	d vascular	systems,incl	uding ICU				
		mana	gement ar	nd surgical c	are						
Course O	utcomes (C	COs):									
At the en	d of the cou	urse studei	nt shall be	e able to:							
CO1		Understar	nd the clini	ical aspects	of cardio va	ascular and	chronic diseases				
CO2		Enlist the	impairmer	nts and plan	therapy ac	cordingly					
CO3		Explain pl	hysiothera	peutic techn	iques in the	e manageme	ent cardio vascular and				
		chronic co	onditions								
CO4		Demonstr	ate the ph	ysiotherapy	assessmer	nt and treatm	nent techniques in				
		various ca	ardio vascu	ular impairm	ents						
CO5		Demonstr	ate the ski	ills of evalua	tion and m	anagement i	n specific chronic				
		diseases									
Mapping	of Course (Outcomes	(COs) to F	Program Ou	tcomes (P	'Os):					
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07				
CO1				Х							
CO2		х		x		X					
CO3	x	х					X				
CO4	x	x		x		X	X				
CO5		X		X		X	x				

GITAM School of Physiotherapy												
Name of t	he	Bachelor	Bachelor of Physiotherapy									
Program												
Course Ti	itle	PT CLINI	CAL PRAC	CTICE IN MU	JSCULOS	KELETAL SC	IENCES-II					
Course C	ode	3										
Semester	1	Semester	VII; Year	4								
Academic	; year											
Number o	of Credits	2 Credits	2 Credits (clinical)									
Course		Comprehe	Comprehensive Knowledge of "Clinical Orthopedics" and "PT in									
Prerequis	ite	Musculos	keletal Sci	ences l" lea	rnt in the p	revious years						
Course S	ynopsis	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 musculoskelet											
		syster	m. Here th	e students i	ntegrate th	e knowledge	gained in Clinical					
		Orthopedics and PT in Musculoskeletal Sciences I learnt in the previous										
		years										
Course O	utcomes (C	COs):										
At the end	d of the cou	irse studer	nt shall be	e able to:								
CO1		Perform c	omprehen	sive evaluat	ion and ph	ysiotherapy r	nanagement for					
		musculos	keletal cor	nditions (C2,	P4, A2)							
Mapping	of Course (Dutcomes	(COs) to F	Program Ou	itcomes (P	POs):						
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07					
CO1	Х	Х	Х	X		X						

GITAM School of Physiotherapy												
Name of	the	Bachelor of	Bachelor of Physiotherapy									
Program												
Course 1	Title	Physiothe	rapy Clinica	al Practice	in Neurological S	ciences and						
		Paediatric	s- II									
Course 0	Code											
Semeste	r /	Semester	VII; Year 4									
Academi	ic year											
Number	of	2 Credits	2 Credits (Practical)									
Credits												
Course		Comprehe	Comprehensive knowledge of Clinical Neurosciences and basic									
Prerequi	site	Physiothe	Physiotherapy assessment formats of Neurological conditions.									
Course S	Synopsis	This cour	This course gives the student the knowledge to plan physiotherapy									
		treatment	treatment in various neurological conditions by applying various									
Course	Jutcomos		neurological rehabilitative approaches.									
At the or	Ourcomes (COS):											
	At the end of the course student shall be able to:											
CO1		Perform a	comprene	ensive Phys	siotherapy assess	sment of Ne	eurological					
<u> </u>		Pallent Dien and design appropriate goods for abusisthereau tracting of the										
002				conditions		apy ireatine	111 111					
		vanous ne	uloiogical	contaitions								
CO3		Demonstra	ate the bas	ic neuro-re	habilitative appro	aches inclu	ding PNF,					
		Brunnstro	m and Roo	ds.								
CO4			t the physic	otherapy an	proaches based	on theories	of					
		neuronal	plasticity				••					
0.07			,	<u> </u>			1					
CO5		Perform a	comprehe	nsive devel	opmental screen	ing of a child	d					
Mapping	of Course	Outcome	s (COs) to	Program (Dutcomes (POs)	:						
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7					
CO1	Х		Х	X	X	X						
CO2	Х	X	X	X	X	X	X					
CO3	X		X	X	x	X	X					
CO4	X			X	X	X	X					
CO5	X			X	Х	X	X					

GITAM School of Physiotherapy											
Name of	the	Bachelor of Physiotherapy									
Program											
Course T	itle	Clinical Pra Surgical C	Surgical Conditions-2								
Course C	Code										
Semeste Academi	r / c year	Semester VII; Year 4									
Number of Credits	of	Credits 2	Credits 2(practical)								
Course Prerequis	site	Comprehe	Comprehensive Knowledge of Medical and Surgical Conditions.								
Course		- In this co	urse, the students	will learn	about in-dept	h hands-c	on				
Synopsis	5	knowledge	e about methods of	cardio-re	espiratory physic	siotherapy	/				
		assessme	nt and physiothera	py manag	gement of vari	ous disor	ders in				
		medical ar	nd surgical condition	ons.							
		The Major	topics of this cours	se are Ca	rdio-Respirato	ory Physic	otherapy				
		assessme	nt and manageme	nt of resp	iratory disorde	ers of lung	S,				
		infectious	disorders of heart	and lungs	and other mis	scellaneo	us				
Course			affecting the cardi	o-respirat	tory systems.						
At the en	d of the c	course stud	lent shall be able	to:							
CO1		Perform a	comprehensive ca	rdio-resp	iratory physiot	herapy as	ssessment				
		for medica	I and surgical cond	ditions.							
CO2		Plan and c	design appropriate	goals for	cardio-respira	tory phys	iotherapy				
		treatment	in various medical	and surg	ical conditions	i.					
CO3		Demonstra	ate basic cardio-re	spiratory	rehabilitative a	approache	es which				
		includes te	echniques to increa	ase lung v	olume, airway	/ clearanc	e				
		techniques	s and physiotherap	y techniq	ues to decrea	se the wo	ork of				
		breathing.									
Mapping	of Cours	e Outcome	s (COs) to Progra	am Outco	omes (POs):						
COs	PO1	PO2	PO2 PO3 PO4 PO5 PO6 PO7								
CO1	X			X							
CO2	X			X							
CO3	Х			X							

	GITAM School of Physiotherapy												
Name o	f the	Bachelo	Bachelor of Physiotherapy										
Program	n												
Course	Title	Fundam	Fundamentals of Yoga – Theory and Practice										
Course	Code												
Semest	er /	Semest	er 6; Yea	ar 3									
Acaden	nic year												
Numbe	r of	Theory	-1; Pract	ical - 1									
Credits													
Course		Basic kr	nowledge	e on Anato	my and P	hysiology	and Exercise						
Prerequ	uisite	Therapy											
Course		This course will provide the student the understanding of											
Synops	is	fundame	entals of	yoga ther	apy and h	elp them t	o relate the						
		principle	es of Yog	a with exe	ercise the	ару							
Course	Outcome	es (COs):											
At the e	end of the	course s	student	shall be a	ble to:								
CO1		Explain	philosop	hy and co	ncepts of	Yoga (C2)							
CO2		Display	Yoga Po	stures an	d explain	their benef	its, precautions						
		and con	traindica	itions (C2,	P4)								
Mappin	g of Cour	se Outco	mes (CO	Os) to Pro	gram Ou	tcomes (F	POs):						
COs	PO1	PO2	PO2 PO3 PO4 PO5 PO6 PO7										
CO1	X												
CO2	x												

	GITAM School of Physiotherapy										
Name of	the	Bachelor of	Bachelor of Physiotherapy								
Program											
Course 1	Title	Differentia	Differential Diagnosis and Clinical Reasoning								
Course (Code										
Semeste	r /	Semester	Semester VII; Year 4								
Academ	ic year										
Number	of	2 Credits	2 Credits (Theory)								
Credits											
Course		Comprehe	ensive knov	vledge of C	linical Neuroscienc	es, Clinica					
Prerequi	site	Orthopaed	dics, Gener	al Medicine	and General Surg	jery					
Course S	Synopsis	The cours	se, Differer	ntial Diagno	sis and Clinical F	Reasoning,	over the				
		fourth yea	r is designe	ed to give th	e student an in-dep	oth knowled	lge about				
Course (Dutcomes		li ulagriosis		gical and musculos	skeletal sys	lem.				
At the er	nd of the c	ourse stud	ent shall b	e able to:							
CO1			d the imp	ortanco of	differential diago	ocic in the					
001		assessme	nt ine imp	Untance Of	ullerential ulayi						
CO2		Incorporat	e differentia	al diagnosis	s in Neurological ev	valuation					
CO3		Incorporat	e differentia	al diagnosis	s in Musculoskeleta	al evaluatio	n				
CO4		utiliza tha	knowledge	of different	ial diagnosis in dia	anosis and	nlan of				
004		managem	ent in Neur	ological co	nditions		plan of				
CO5		utilize the	knowledge	of different	ial diagnosis in dia	gnosis and	plan of				
		managem	ent in Muso	culoskeletal	conditions	5					
Mapping	of Course	e Outcome	s (COs) to	Program C	Outcomes (POs):						
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7				
CO1	Х			X							
CO2	Х			X							
CO3	X			X							
CO4	X			X							
CO5	X			X							

GITAM School of Physiotherapy										
Name of t	the	Bachelo	r of Phys	siotherapy						
Program										
Course T	itle	Researc	h data c	ollection						
Course C	urse Code									
Semester	emester / Semester 7; Year 4									
Academic	c year									
Number o	of	2 (Practi	ical), 1 (0	Clinical)						
Credits										
Course		The student should have basic knowledge on search strategies								
Prerequis	site	in databa	in databases, research methods and should have proposed a							
		research protocol								
Course	Course This course introduces common terminologies used in health									
Synopsis	i	care res	earch ar	nd biostatis	tics. The	student wil	I be guided to			
		identify a research question relevant to the field of								
		physioth	erapy, fo	ormulate a	research	protocol a	nd apply for			
		approva	l from re	levant regu	ulatory au	ithorities ba	used on research			
		question	is and m	ethods add	opted.					
Course O	utcome	s (COs):								
At the end	d of the	course s	tudent s	shall be at	ole to:					
CO1		Displays	s data co	llection an	d organiz	es the data	for future			
		purpose	s (C3, P	4, A3)						
Mapping	of Cours	se Outco	mes (CC	Os) to Pro	gram Ou	tcomes (P	Os):			
COs I	PO1	PO2	PO3	PO4	PO5	PO6	P07			
CO1		X	X	X	X					

Eighth Semester-B.P.T

GITAM School of Physiotherapy												
Name of	the	Bachelor of	Bachelor of Physiotherapy									
Program	:41.0	Communit	Community modicing									
Course I		Commun										
Somostor		Somostor	Comester viii Veer 4									
Academi	, vear	Semester										
Number of Credits	of	Credits 3	Credits 3(theory)									
Course Prerequis	site	Basic Kno Chemistry	Basic Knowledge (Pre-University level) of Biology, Physics and Chemistry									
Course S	ynopsis	- In this co of various administra	- 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 C At the en	Course Outcomes (COs): At the end of the course student shall be able to:											
CO1		Understan Socio-Eco Physical D	d the basic concep nomic & Cultural Is Disability , (C2).	ot of Heal ssues rela	th & Disease, ated to Morbidi	Epidemic ty owing	logy, to the					
CO2		Infer the b Health, Ho	asics of Demograp spital waste mana	hy and F gement (amily Planning C2)	g, Occupa	ational					
CO3		Elaborate Nutrition a	on Disaster Manag nd Health, Health p	gement, H programn	lealth Educatio nes in India (C	on, Menta 2).	al Health,					
Mapping	of Course	Outcomes	s (COs) to Progra	m Outco	mes (POs):							
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07					
CO1	X		x									
CO2	Х			X								

		-	GITAM Scho	ool of F	Physiothera	ру					
Name of t	he	Bachel	Bachelor of Physiotherapy								
Program		Physiotherapy in Community									
Course C	ode	Physio									
Somostor		Semes	Somostor VIII: Voor 4								
Academic	, vear	Genies									
Number of Credits	of	Credits	Credits 3(theory)								
Course Prerequis	site	Basic k Chemis	Basic Knowledge (Pre-University level) of Biology, Physics and Chemistry								
Course S	ynopsis	- In this health, influend disable The str respon PT in ir reason for the	course, the s disease and p ce on physical d – role of PT ategies to acc sible for increa nproving mort s for non-com same.	tudents bhysica fitness : ess pre asing m bidity, e pliance	s will learn the I fitness, phy s, national po evalence and norbidity in the expected clini in specific co	e genera siology o licies for incideno e specifi cal and f ommunit	al concepts about of aging process and its the rehabilitation of ce of various conditions c community – role of functional recovery, ty environment solution				
Course O At the end	utcomes d of the c	(COs): ourse st	udent shall b	e able	to:						
CO1		Unders	tand the basic	c conce	pt of CBR, G	eriatrics	, Industrial Health(C2).				
CO2		Infer th Comm	e basics of Fit unity based Re	ness a ehabilit	nd Health Preation, Disabil	omotions ity(C2)	s, Principles of				
CO3		Demon technic pediatr	strate disabilit ues for muscu ic, gynecologi	ty evalu uloskele cal and	ation, physic etal, neuromu geriatric pro	otherapy uscular, o blems in	prescription cardio- respiratory, community (C2, P1).				
CO4		Demon and as locally	stration of eva sistive devices available mate	aluatior s, Fabri erials ((and prescrip cation of low C1, P3)	otion tec -cost ass	hniques for ambulatory sistive devices with				
Mapping	of Course	Outcor	nes (COs) to	Progra	m Outcome	s (POs)	:				
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07				
CO1	X			X							
CO2	X			X							
CO3	X			X							
CO4	X			X							

GITAM School of Physiotherapy												
Name of	the	Bachelor o	Bachelor of Physiotherapy									
Program												
Course T	itle	Physiother	Physiotherapy Practice in Community									
Course C	Code											
Semeste	r /	Semester	Semester VIII; Year 4									
Academi	c year											
Number Credits	of	Credits 2(Credits 2(practical)									
Course	_	Basic Knov	Basic Knowledge (Pre-University level) of Biology, Physics and									
Prerequi	site	Chemistry										
Course		- In this cou	urse, the student w	vill be able	e to identify re	habilitatio	n methods					
Synopsis	5	to prevent	disabilities and dy	stunction	s due to variou	is disease	e conditions					
		and plan a	nd set treatment g	oals and	apply the skills	s gained i	n					
		The major	topics for this court	rea ara at	r a community	selup.	nt and					
		manageme	ent in terms of com	nmunity h	ealth which m	av include						
		musculosk	eletal. neuromusc	ular. card	io-respiratory.	pediatric						
		gynecologi	cal and geriatric p	roblems i	n community s	setup.	,					
		0, 0	0 1		2	•						
Course C	Outcomes	s (COs):										
At the en	d of the o	course stud	ent shall be able	to:								
CO1		Perform a	comprehensive ph	ysiothera	py assessmer	nt for vario	ous					
		conditions	in a community.									
<u> </u>		Plan a dag	ian oppropriato ao	ale for ph	weigthoropy tr	ootmont i						
COZ		conditions	ign appropriate go	als for pr	iysiomerapy in	eatment	n vanous					
		conditions	in a community.									
CO3		Demonstra	te disability evalua	ation, phy	siotherapy pre	escription	techniques					
		for muscule	oskeletal, neuromu	uscular, c	ardio- respirat	ory, pedia	atric,					
		gynecologi	cal and geriatric p	roblems i	n community.							
CO4			physiotherapy ap	oroaches	based on the	concept o	of CBR					
CO5		Perform a	comprehensive de	evelopme	ntal screening	of a child	in a					
NA			setup.									
wapping	of Cours	e Outcome	s (COS) to Progra	am Outco	omes (POs):							
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07					
CO1	X			X								
CO2	X			X								
CO3	X			X								
CO4	Х			X								
CO5	Х			X								
		Gľ	TAM Sch	ool of Physi	otherapy							
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Name of	the	Bachelor of	of Physiot	therapy								
Program												
Course T	ïtle	Physiothe	rapy in W	/omen's Heal	th							
Course C	Code											
Semeste	r /	Semester	VIII/ Yea	r 4								
Academi	c year											
Number	of	1 Credit (1	Theory)									
Credits												
Course		Knowledg	e of medi	cal and surgi	cal conditions spe	cific to fem	ales					
Prerequi	site											
Course S	Synopsis	In this cou	urse, the	students wil	I be able to learn	and under	stand the					
		various ph	nysiothera	apy technique	es designed to tre	at condition	ns related					
0		to women	s health.									
	d of the o	(COS):	ant ah all	ha ahla ta i								
At the en	a of the c	ourse stua	ent shall	be able to:								
CO1		Explain t	he phys	siotherapy ti	reatment of var	ious obste	etric and					
		gynaecolo	gical con	ditions affect	ing females (C2)							
Mapping	of Course	Outcome	s (COs) t	o Program C	Outcomes (POs):							
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7					
CO1	X	X	X	X		X						

		Gl	TAM Scho	ol of Phys	iotherapy		
Name of	the	Bachelor of	of Physioth	erapy			
Program							
Course 1	Title	Physiothe	rapy Clinica	al Practice i	n Women's health		
Course C	Code						
Semeste	r /	Semester	VIII/ Year 4	4			
Academi	ic year						
Number	of	1 Credits	(Practical)				
Credits							
Course		Knowledg	e of medica	al and surgi	cal conditions spec	ific to fem	ales
Prerequi	site						
Course S	Synopsis	In this c physiother women's l	ourse , tł rapy techn nealth.	he student liques des	s will be able t igned to treat co	o perform nditions r	n various elated to
Course C	Dutcomes	(COs):					
At the en	nd of the c	ourse stud	ent shall b	e able to:			
CO1		Performs conditions	comprehen related to	nsive evalua women's he	ation and Physiothe ealth. (C2, P4, A2)	erapy treat	ment for f
Mapping	of Course	e Outcome	s (COs) to	Program C	Outcomes (POs):		
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	X	X	Х	X		X	

			GITAM So	chool of Phy	siotherapy	1			
Name of t	he	Bachelor	of Physioth	nerapy					
Program									
Course T	itle	EXERCIS	SE PHYSIC	DLOGY					
Course C	ode								
Semester	·1	8th seme	ster, 4th ye	ear					
Academic	c year								
Number o	of Credits	2 Theory	credits						
Course		Prior know	wledge of b	biochemistry	and exercis	e therapy			
Prerequis	site								
Course S	ynopsis	The p unde durin the b bioen respo factor this c	ourpose of rstanding a g exercise. ody respon hergetics as onses to the rs and ergo ourse.	this course is bout human In this cours ds to acute a s well as circu e physical str ogenic aids of	to increase physiology e the stude and chronic ulatory, resp ess of exerc n athletic pe	e the student's and the adap nt gains unde exercise. Em piratory and n cise.The effec erformance ar	s knowledge and tations that occur erstanding of how phasis is placed on euromuscular cts of environmental re also discussed in		
Course O	utcomes (C	COs):							
At the en	d of the cou	urse stude	nt shall be	able to:					
CO1		Discuss the bioenergetics of exercise training							
		Discuss the endocrine responses to resistance training							
CO2									
CO3		Summarize the adaptations to aerobic endurance training programs Discuss the age and sex related differences and their implications for							
CO4									
CO5				al factors wh	ich improve	performance	and also discuss		
005		on other	ne numion	a anhancing	substances				
Mapping	of Course (Dutcomes	(COs) to F	Program Out	comes (PO)s):			
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07		
CO1	x	x		x		x			
CO2	x	x		X		X			
CO3	X	x		x		X			
CO4	x	x		x		x			
CO5	x	x		x		x			

			GITAM S	chool of Ph	ysiotherap	у	
Name of th	ne	Bachelor	of Physiot	herapy			
Program							
Course Tit	le	PT IN SP	ORT, HEA	LTH PROM	OTION ANI	D FITNESS	
Course Co	ode						
Semester /	/	8th semes	ster, 4th ye	ear			
Academic	year						
Number of	Credits	2					
Course		Prior know	vledge in l	biochemistry	, exercise tl	nerapy, clini	cal orthopedics and
Prerequisi	te	musculos	keletal sci	ences			
Course Sy	nopsis	The s	tudents wi	ill be able to	plan the sp	ort specific I	ehabilitation
		strate	gies for at	hletes and t	herapeutic i	nterventions	for prevention of non
		comm	nunicable o	diseases			
Course Ou	itcomes (C	:Os):					
At the end	of the cou	irse studer	nt shall be	e able to:			
CO1		Explain th	e sport sp	pecific rehab	ilitation stra	tegies for at	hletes and therapeutic
		interventio	ons for pre	evention of n	on commun	icable disea	ses (C2)
Mapping o	of Course (Dutcomes	(COs) to F	Program Ou	itcomes (P	0s):	
COs	PO1	PO2	PO3	PO4	PO5	PO6	P07
CO1	Х			x			

			GITAM S	chool of Ph	ysiothera	ру	
Name of t	he	Bachelor	of Physiot	herapy			
Program							
Course T	itle	Physiothe	erapy prac	tice IN SPO	RT, HEALT	H PROMOT	ION AND FITNESS
Course C	ode						
Semester	1	8th seme	ster, 4th y	ear			
Academic	c year						
Number o	of Credits	2					
Course		Prior know	wledge in I	biochemistry	/, exercise	therapy, clini	cal orthopedics and
Prerequis	site	musculos	keletal sci	ences			
Course S	ynopsis	The s	tudents w	ill be able to	perform sp	oort specific r	ehabilitation strategies
		for at	hletes and	I hands on t	herapeutic	interventions	s for prevention of non
		comm	nunicable	diseases			
Course O	utcomes (C	COs):					
At the end	d of the cou	irse studei	nt shall be	e able to:			
CO1		Performs	technique	s for sports	specific reh	abilitation ar	nd prevention of non
		communio	cable dise	ases (C2, P	4, A2)		
Mapping	of Course (Dutcomes	(COs) to I	Program Ou	utcomes (F	POs):	
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	Х	X	X	X		X	

		Gľ	TAM Sch	ool of Physi	otherapy		
Name of	the	Bachelor of	of Physiot	herapy			
Program							
Course 1	itle	Administra	ation, Mar	nagement & l	_eadership Skills		
Course C	Code						
Semeste	r /	8th Semes	ster / 4th	year			
Academi	c year						
Number	of	3 Credits	(Theory)				
Credits							
Course		comprehe	nsive kno	wledge abou	t physiotherapy, I	Ethics and	
Prerequi	site	Professior	nalism in p	physiotherap	y and health infor	matics	
Course S	Synopsis	The stude	ents will	learn the m	ethods to admini	ister and m	nanage a
		rehabilitati	on team	and facilitat	e effective delive	ery of phys	iotherapy
Course (Jutcomes	nealth car	e in an in	terdisciplinar	y approach.		
At the en	d of the c	ourse stud	ent shall	be able to:			
CO1		Explains	the vario	us approach	nes for effective	administrat	tion of a
		rehabilitati	on team.	(C2)			
CO2		Describe t	he roles o	of Effective le	ader and manage	er for a reha	bilitation
		team (C2)					
Mapping	of Course	Outcome	s (COs) t	o Program C	outcomes (POs):		
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	X	X	Х	X	X		X
CO2	X	X	Х	X	X		X

			GITAM S	chool of Phy	siotherapy	,		
Name of t Program	he	Bachelor of	of Physioth	nerapy				
Course Ti	tle	Technolog	gy in Reha	bilitation				
Course C	ode							
Semester Academic	/ ; year	VIII / IV						
Number o	of Credits	2						
Course Prerequis	ite	students s Exercise t neurology	should hav herapy, G clinical ar	e had compr eneral medic d physiother	ehensive kr ine, general apy manage	owledge on Biome surgery, orthopae ement.	echanics, dics,	
Course S	ynopsis	This cours the evolvin	se Techno ng technol	logy in Reha logy can be u	bilitation giv Itilised in ph	es an insight to stu ysiotherapy and re	dents on how habilitation.	
Course O At the end	utcomes (C d of the cou	Os): Irse studer	nt shall be	e able to:				
CO1		Define tec Also stude demonstra	chnology a ents should ate the und	nd recall its e d be able to a derstanding o	evolution an apply the few of the remain	d its advantages in v available technol ning.	rehabilitation. ogies and	
CO2		Develop th conditions	ne implem	entation of th	ie available	technology in mus	culoskeletal	
CO3		Develop the implementation of the available technology in neurological conditions.						
CO4		Utilise the surgical co burns, car conditions	available onditions, ncer, psycl s etc	technology ir post cardiac hiatric conditi	n rehabilitati and pulmon ons like PT	on of various post ary invasive proce SD, dementia, psyc	general dures, post chosomatic	
Mapping	of Course (Outcomes ((COs) to F	Program Out	comes (PO	s):		
COs	P01	PO2	PO3	PO4	PO5	PO6	P07	
CO1	X	x	X			x		
CO2	X	x	X			X		
CO3	X	x	X			x		
CO4	X	X	X			x		

		G	TAM Scho	ol of Phys	iotherapy		
Name of	the	Bachelor	of Physioth	erapy			
Program							
Course 1	Title	Geriatric I	Physiothera	ару			
Course (Code						
Semeste	r /	Semester	VIII; Year	4			
Academi	ic year						
Number	of	2 Credits	(Theory)				
Credits							
Course		Comprehe	ensive knov	wledge of C	linical Neuroscien	ces, Clinic	al
Prerequi	site	Orthopae	dics, Gener	ral Medicine	e and General Sur	gery	
Course S	Synopsis	The course the studen physiothera These will cardiovasc nervous sy a patient m Internation	e, Geriatric F at an in-dep apy Goal set include th ular, pulmon stems). This edical histor al Classifica	Rehabilitation oth knowledge tting for the in the impact of hary, the Muss course will ry and princip tion of Funct	n, over the Fourth ye ge about Physiothe management of a Ge of aging on differe culoskeletal, and the provide the student ole of geriatric asses cioning, Disability and	ear is desig rapy asses eriatric Pati- ent system e central an with the cor sment acco d Health (IC	gned to give ssment and ent. s e.g. (the d peripheral mponents of ording to the CF).
Course 0	Dutcomes	(COs):					
At the er	nd of the c	ourse stud	lent shall b	be able to:			
CO1		Identify the population.	demograph	ic trends aff	ecting mortality and	morbidity i	n the aging
CO2		Discuss the physiological changes that occur with aging on different system Explain principle and concept of geriatric assessment including the Internati				ems.	
CO3		Explain principle and concept of geriatric assessment including the Internation Classification of Functioning, Disability and Health (ICF).					
CO4		Design a the (s), prioritize outcome me	erapeutic plar ed SMART go easure (s) and	n for any select bals, justified p d suitable time	ted case among elder hysical therapy modal frame according to re	ly with priorit ities, and rat levant article	ized problem ional es.
CO5		Select the p of modalities	recautions an s for the geria	nd modification atric patient.	ns that are necessary f	or exercise a	and the use
Mapping	of Course	Outcome	s (COs) to	Program (Dutcomes (POs):		
COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	Х						
CO2	X						
CO3	X			X			
CO4	X		X			X	
CO5	Х		X			X	

		Gľ	TAM Scl	hool of Ph	ysiothera	ару	
Name of t	he	Bachelo	r of Phys	siotherapy			
Program							
Course Ti	tle	Researc	h report				
Course Co	ode						
Semester	/	Semeste	er 8; Yea	nr 4			
Academic	; year						
Number o	f	1 (Theor	ry), 2 (Pr	actical)			
Credits							
Course		The stud	dent sho	uld have be	en collec	ting the res	earch data
Prerequis	ite						
Course		This cou	irse prov	rides an op	portunity	for the stud	ents to analyse
Synopsis		the rese	arch data	a collected	and prep	are a resea	arch report for
		dissemir	nation.				
Course O	utcome	s (COs):					
At the end	d of the	course s	tudent s	shall be ab	le to:		
CO1		Apply pr	inciples	of scientific	writing w	hile making	g a research
		report fo	or dissem	nination (C3	8, P4)		
CO2		Perform	data col	lection, org	janize, an	d analyse t	o summarize the
		research	n findings	s (C4, P4, <i>I</i>	43)		
Mapping o	of Cours	se Outco	mes (CC	Ds) to Prog	gram Out	comes (PC	Ds):
COs F	°O 1	PO2	PO3	PO4	PO5	PO6	P07
CO1 X	(X					
CO2		X		X		X	

								ACULTY	OF PHY	SIOTH	RAPY														
								BPT	Scheme	2021-22															
			Lecture/Tutorial	50 Min/ week								╡	-	_			+	+	+	+	+				
		1 Creditweightage	Macrosoft Climical/ Project	150 Min/week						_															
			Total Instructional weeks = 18															\vdash							
													\vdash												
		1st SEMES TER			CTP	ţ.	Ê	Pory(End Sea	1) Theo	ry (Interna	_			Practical	(End Sem)		Paci	al (Internal)							
Semester/ Year	Subject Code	Neuerchure	Theory' Practical/ Theoryt-Practical/ Onto Taerbiene	Course Category	LT P	CP 1	Lecture per Ma	R	Parti ation	tip Midder m	Assign	luiz/ usignmen M	u Pass	Demonst tion/Pres ntation	e Viva-voo	e Mar	Pass Parti	Lab pation Worl Bool	oLog Midte	Casse presents n/viva-	atio Mar	Pass Pass Mark	all CBCS (Yes/No)	_	
	PHT V-1001	Him an Anatom v - I	Theory Practical	Core Corrse	4	-	20		~	×		5	+	8	.	8	~	-	¥	-	8	2	2	Theory+Practical +Interna	-
	PHT Y-1011	Hun an Physiology - I	Theory	Core Course		0				2		2 S							:		_		2	Theory+Internal	,
	PHT Y-1021	Biochemistry	Theory+Practical	Core Course	-	-	20		-	2		5	-	8	_ ~	x	-	-	2	-	8	1	2	Theory+Practical +Intern	
	PHT Y-1081	Sociology	Theory	Core Course	0	0	8		~	R		5								_		20	N	T heory+Internal	
Semester	PHT Y-1041	Inteoduction to Physiofretagy and Healfneare Delivery system in India	Theory+Practical	Foundation Course		0			5	R	5	5 50					10	0	8	2	8	20	N	Internal	
_	PHTY-1051	Introduction to Research and Evidence, Learning and Teaching Methods	Theory	Foundation Course	1	0			~	ĸ	5	5 50										25	No	Internal	
	CSEN-1001	IT Productivity Tools	Online Training(Coursera)	University Core	0 2	0	_														80		No	Internal	
	LANG-1011	English /Foreign language	Practical	University Core	0 2	0 4	-														30	25	Yes	Internal	
	PHT Y-1071	Community Orientation & Clinical Visit	Clinical Practice	Foundation Course	0 0	1											20	10	0	R	30	25	No	Internal	
	PHT Y-1081	Human Anatomy - II	Theory+Practical	Core Course	3 2	0	20		~	R		5 50		8	~	R		0	5	~	R	12	N	Theory+Practical +Interna	• ea
	PHT Y-1091	Hum an Physiology - II	Theory+Practical	Core Course	4	0	20		~	R		5 50		a	~	ĸ	•~	0	5	~	ĸ	5	N	Theory+Practical +Interna	ai
	PHT Y-1101	General Psychology and Clinical Psychology	Theory	Core Course	0	0	20		~	R		5 50										20	%	Theory+Internal	
Semester	PHTY-1111	Biophysics	Theory+ Practical	Core Course		0	20		~	R		5		8	~	R	~	0	2	~	8	2	N	Theory+Practical +Interna	-e
	PHTY-1121	Foundations of Exercise Therapy	Theory+Practical	Foundation Course	7	6			~	ĸ		5 50					9	0	8	9	8	20	2	Theory+Practical +Intern	1
		Venture Development	Theory	University Core	1	0																	No	Internal	
	PHTY-1131	Clinical Observation	Practical	Foundation Course	0	1	_										8	10	0	R	8	50	No No	Practical +Internal	
	PHT Y-1141	Environmental Studies	Theory	University Core		~						10	0										No	Internal	
		Pathology and Microbiology	Theory+Practical	Core Course	4 1	9	50		~	R	5	5 50		20	5	25	~	0	15	5	25	75	No	Theory+Practical +Interna	al
		Pharmacology	Theory	Core Course	3 0	0	50		5	22	5	5 50										50	No	Theory+Internal	
		Biom echanics and Kinesiology	Theory	Core Course	4 0	0	50		5	2	5	5 50										50	No	Theory+Internal	
		Practical in Biomechanics and Kinesiology	Practical	Core Course	1	0								9	10	80	10	0	8	9	8	20	N	Practical + Internal	
SCIICSCI		Theoretical concepts in Eastrcise Therapy-I	Theory	Core Course	3 0	0	50		~	8	5	5 50										50	No	Theory+Internal	
=		Practical in Exercise Therapy - I	Practical	Core Course	0 2	0 4	-							40	10	50	10	0	30	10	80	50	No	Practical + Internal	
		Health informatics and Cinical Observation	Theory+Practical	Foundation Course	1				~	8	~	5 50					8	9	0	8	8	20	N	Internal	
		Open Elective	Theory	Open Elective	2 0	0																	Ves	Internal	
		Canditian Studies and Constitution	Theory	University Core	-	0																22	%	Internal	
		Theoretical concepts in Exercise Therapy-II	Theory	Core Course	3	0	20		~	R		5 50										50	°N	T heory+Internal	
		Practical in Exercise Therapy - II	Practical	Core Course	6	0								우	9	8	9	0	8	10	8	20	°N	Practical + Internal	
		Theoretical concepts in Electrotherapy	Theory	Core Course	3	0	50			8	5	5 50										50	No	Theory+Practical +Intern	E.
		Practical in Electrofiterapy	Practical	Core Course	0	0	_							40	10	50	10	0	30	10	30	50	No	Practical + Internal	
Nemester		Theoretical concepts in Physical and Functional Diagnosis	Theory	Core Course	0	0	20		~	R		5 50										20	N	Theory+Internal	
2		Practical in Physical and Functional Diagnosis	Practical	Core Course	0	0								4	10	<u>8</u> 0	10	0	30	10	8	50	No	Practical + Internal	
		Ethics and Professionalism	Theory	Foundation Course	1	0	20		~	R	~	5 50										20	No	Theory+Internal	
		Introduction to Evidence Based Practice	Theory	Foundation Course	0	0	20		~	R	~	5 80										20	N	Theory+Internal	
		Clinical observation and Practice	Clinical Practice	Foundation Course	0												8	9	-	8	8	25	No	Internal	