

## Charotar University of Science & Technology

### Ashok & Rita Patel Institute of Physiotherapy

<b>LIST OF PhD Completed Projects</b>				
No	I.D.Number	Name	Guide Name	Title
1	12DRPT003	V.Prakash	Dr. Mohan Ganesan	Development and Validation of The Indian Stroke Scale
2	11DRPT001	Dipika Shah	Dr. Arun G. Maiya	Prevalence of Obesity and its Influence on Physical Fitness and Academic Performance in School Going Children of Anand District
3	11DRPT002	Dhruv Dave	Dr. Ali Irani	Effect of Aerobic Exercise Versus Progressive Resisted Exercise on Glycosylated Haemoglobin (HbA1c) in Persons with type 2 Diabetes Mellitus

<b>LIST OF PG Completed Projects</b>		
Sr. No.	Topic of PG thesis	Name of PG guide
1	Effect of a sensorimotor Training on Pain, proprioception and functional activities in subjects with chronic knee OA: A randomized controlled clinical trial.	Dr. M. Bala ganpathy
2	Effect of Maitland mobilization versus Mulligan mobilization on head repositioning accuracy, pain and functional disabilities with chronic neck pain. - A randomized controlled clinical trial	
3	Respiratory Dysfunctions among Patients with Chronic Neck Pain - A Correlation Study	
4	Effect of Deep Cervical Flexor Muscles Training Using Pressure Biofeedback on Pain and Disability in Chronic Neck Pain	
5	Gujarati Translation and Evaluation of the Psychometric Properties of Quebec Back Pain Disability Scale	
6	Effectiveness of Pilates Exercises Over Traditional Exercises in Chronic Mechanical Low Back Pain	
7	Gujarati Translation and Psychometric Evaluation of the Oswestry Disability Index (ODI) Version 2.1a	
8	Comparison of Pelvic Floor Muscle Exercise Versus Biofeedback Guided Pelvic Floor Muscle Exercises in Postpartum Women with Stress Urinary Incontinence	

9	Respiratory Muscle Strength Training and Pulmonary Function Changes in subjects with Chronic Low Back Pain		
10	Respiratory Muscle Strength Training and Pulmonary Function Changes in subjects with Chronic Low Neck Pain		
11	Effects of Functional Activity Training in Reducing Pain and Improving Range of Motion in Fracture of Lower end of Radius - A Randomized Control Trial		
12	Comparison of effectiveness of fitness and balance training in autism spectrum disorder and down syndrome: A quasi experimental study		
13	Insights of physiotherapy patients satisfaction and functional outcome in post total knee replacement subjects: A Correlation study		
14	Does self-efficacy and body mass index associated with performance on functional mobility test in individuals with bilateral knee osteoarthritis?		
15	Effect of homebased exercise and its prescription on pain, function and exercise adherence in participants with knee osteoarthritis		
16	Prevalence of altered respiratory functions in patients with chronic shoulder pain		
17	Perception and exposure of postgraduate physiotherapists towards research		
18	Relationship of health locus of control and self-efficacy in participants with chronic neck pain		
19	Effects of Dance Therapy on Depression, Fall Prevention & Overall Physical Activity in Older Adults		
20	Association of Glucose Level with Pain and Physical Function Among Knee Osteoarthritis Individuals with Type-2 Diabetes Mellitus		
21	Association of Postural Changes and Work Station Design Among Computer Workers		
22	Identification of Factors Influencing Reduced Physical Activity in School Going Children : A Qualitative Study		
23	Perception of Using Backpack and Its Related Musculoskeletal Discomforts in Adolescents		
24	Factors Influencing Recovery of Deep Knee Flexion Activities in Stroke		Dr. V Prakash
25	Effectiveness of Task Specific Training on Upper Limb Functional Outcomes in Acute Stroke		
26	Contents of Physiotherapy Provided for Individuals with Stroke in Gujarat		
27	Extent of and factors associated with social participation after stroke		

28	Construct validity of fugal-meyer assessment in patients with subacute and chronic stroke	
29	Recovery of sit to walk after stroke-a feasibility study	
30	Effect of blended learning in improving clinical competence in neurological conditions of undergraduate physiotherapy students	
31	Evaluation of clinical reasoning skill in the management of neurological conditions among physiotherapy students	
32	Effect of clinical decision algorithm in improving clinical decision of post graduate physiotherapy students in stroke management : A preliminary study	
33	Is gait speed measurement valid for representing meaningful change in real life walking among patients with stroke?	
34	Effects of Spin on Interpretation of randomized controlled trials evaluating physiotherapy inventions - A Randomized Controlled Trial	
35	Out of Mobility Goals of Ambulatory Patients with Stroke: A Descriptive Survey	
36	Validity of Self-Reported Community Mobility measurement in Patients with Stroke	
37	Association Between Personal Factors and Community Mobility Among Patients with Stroke: A Cross Sectional Study	
38	Effect of Visual Cueing on Walking in Acute Stroke	Dr. Mansi Soni
39	Effects of school based physical activity promotion and dietary awareness in obese children	
40	Effect of concurrent training on cardio-respiratory endurance in children with downs syndrome	
41	Factors Affecting the Quality of Life in Patients with Stroke in Acute, Subacute and Chronic Phases	
42	Comparative Study to Evaluate Effects of Different Wrist Position on Nerve Conduction Study in Patient with and Without Carpal Tunnel Syndrome	
43	Return to Paid or Unpaid Work in Patients with Stroke	
44	Comparison of Nerve Conduction Among Patients with And Without Diabetic Polyneuropathy	
45	Domain Specific Physical Activity Among Community Dwelling Stroke Survivors And Association of Physical Activity With Their Quality of Life	
46	Influence of Fear-Avoidance Beliefs on Shoulders Pain and Disability in participants with Frozen Shoulder	Dr. P Ratan Khuman
47	Excessive Smartphone usage and its association with neck pain and grip strength among young adults	
48	Association of social support and adherence to home based exercise among individuals with knee osteoarthritis	
49	Association of Low Back Pain and Knee Osteoarthritis	

50	Contents of Physiotherapy Interventions for Management of Low Back Pain in India-A Survey	
51	Knowledge attitude and practice towards knee osteoarthritis among Indian youth	
52	Association of vertical jump performance and heart rate response among volleyball player and healthy population	
53	Relationship between rate of injury & sleep pattern among youth athletes	
54	Association Between Football Injury Incidence With Aerobic Capacity , Hamstring Flexibility and Agility Among Young Football Players	
55	Knowledge and Attitude Towards Doping Among Indian Young Athletes	
56	Understanding Functioning of Patients with Knee Osteoarthritis: A Patient Perspective	
57	Physiotherapist's Perspective On Functioning of Lower Extremity Osteoarthritis	Dr. L. Surbala Devi
58	Factors Influencing Functional Self Efficacy and Its Association with Activities of Daily Living and Social Participation in Stroke	
59	Social Participation and Its Association with Disability Self Concept and Disability Self Efficacy in Formally Education Adults with Cerebral Palsy	
60	Relations between received and perceived social support with social participation among stroke individuals	
61	Psychological indicators of perceived balance confidence in relation to actual balance capacity in Parkinson's disease	
62	Association Between resilience, perception of recovery and social participation in chronic stroke individuals	
63	Social participation status and its association with self-reported fatigue in post stroke individuals	
64	Does Knowledge and Attitudes Towards Evidenced Based Practice in Neuro -Physiotherapy Translate into Practice Among Clinical Neuro-Physiotherapists? A Preliminary Survey	
65	Prevalence of Benign Paroxysmal Positional Vertigo and its Association with Falls in Elderly Individuals	
66	Factors Affecting Parental Stress Among Indian Mothers of Children with Cerebral Palsy	
67	Coping with parental stress in Indian mothers of children with cerebral palsy - a qualitative study	
68	Agreement between physiotherapists and mothers on expectations from physiotherapy management of children with cerebral palsy	
69	Knowledge awareness and perception about exercise amongst hypertensive population of Gujarat	Dr. Vidhi Thakkar

70	Maximal respiratory pressures and their correlates in Indian population of 11-14 years of age: A cross sectional study	Dr. Hemal Patel
71	Reliability and Validity of Gujarati version of borg rate of perceived exertion 6-20 scale	
72	Association between plantar weight distribution and knee joint position sense in the participants with tibiofemoral knee osteoarthritis	
73	Correlation between pain, disability and quality of life in participants with low back pain	
74	Prevalence the Knee Osteoarthritis Risk Factors Among Young Adult Population	
75	Development of Normative Value of Knee Proprioception in Healthy Individuals	Dr. Heta Patel
76	Influence of Pain, Tenderness and Radiographic features on Functional Outcome Measurement in Overweight Individuals With Early Knee OA: A Cross Sectional Study	
77	Influence of Physiotherapy Students' Attitudes and Beliefs on Decision Making in Management of Non-Specific Low Back Pain	Dr. Sweni Shah
78	Functional Recovery in Spinal Cord Injury: Correlation with Severity of Injury, Depression, Respiratory Function	Dr. Sumam Sunny

<b>LIST OF UG Completed Projects</b>		
Sr. No.	Title	Guide
1	Motor Control Exercise And Graded Exercise In Individual With Subacute Low Back Pain : A Case Series	Dr. M Bala Ganapathy
2	Slump stretching Graded Activity And Spinal Mobilization In Individual With Chronic Low Back Pain: A Case Series	
3	Hamstring stretching In Supine And Standing Position In Individual With Osteoarthritis: A Case Series	
4	Agility And Conventional Physiotherapy Intervention For Obese Person With Osteoarthritis Knee: A Case Series	
5	Work related Musculoskeletal disorders among professional auto rickshaw drivers in anand district of gujarat	
6	Anthropometric analysis of 15 to 17 years of school students in charotar region of gujarat	
7	Prevalence of Musculoskeletal Disorders Among Women Working in Mathiya Making units	
8	Relation Between Spasticity, Strength, Gross Motor Function Measurement And Gross Motor Classification System In Children With Spastic Cerebral Palsy	Dr. Prakash V
9	Relationship Between Gross Motor Function Of Children With Spastic Cerebral Palsy And their Caregiver's Health And Well being	
10	Relationship between Upper limb Function Social Participation And Motor	

	Impairment in Individual with Stroke	
11	Relationship Between Community Ambulation Status, Social Participation, Fear of Fall And Motor Impairments Community Dwelling Individuals With Chronic Stroke	
12	Parents Concernes And its Relationship With Age And Level of Disability of Childen and Youth With Cerebral Paisy	
13	prevalence Of Premenstrual Syndrome in University girls Of 18 -26 age group	
14	Hand Impairments And Their Relationship With Manual Ability In Children And Youty With Cerebral Palsy	
15	Time Spent BY Individuals with stroke Admitted For Rehabilitation in A Rural Hospital	
16	Standing Of Physiotherapy profession; perception of undergraduate physiotherapy Students in Gujarat	
17	Evaluation of critical appraisal skills in Evidence based practice trained physiotherapy students	
18	Factors Associated with Return to Work after Stroke	
19	Are Commonly Recommended Physiotherapy Textbooks are Clinically Relevant and Evidence Based ?	
20	Family needs of parents with children and youth with cerebral palsy	
21	Patient Perception of Stroke and its Rehabilitation :A Preliminary study in Indian Stroke Rehabilitation Settings	
22	Clinical Questions raised by physiotherapists during routine practice: a preliminary observational study	
23	Do physiotherapists have sufficient understanding of cochrane plain language summaries? A pilot study	
24	How is goal-setting practiced during stroke rehabilitation within indian context? A pilot study	
25	Effect of Expiratory Muscle Training on Peak Flow Rate	Dr. Dhruv Dave
26	Comparison Acute Hemodynamic Effect of Straight Partial sit ups Versus Oblique Partial Sit ups On Healthy	
27	Cardiopulmonary Responses to Incresing Work load Exercise: On A Cycle Ergometer In Healthy Individual	
28	Prevalence Of Low Back Pain In School Teacher	
29	Impact of different treatment regimens on diabetes distressin patient with type 2 Diabetes mellits"	
30	'Effect of footwear on Dynamic Balance And Gait Speed Among Community Dwelling Elderly"	
31	Awareness and orienatation of physiotherapy among the general public in rural area of charotar region of gujarat	
32	Assessment of quality of life of people living with HIV and AIDS receiving anti-retroviral therapy	
33	Assessment of exercise barriers in persons with hypertension	
34	Attitude of Physiotherapy Students Towards Persons with Disability in Charotar Region	

35	Entrepreneurial Skill in Physiotherapy Students - A Descriptive Survey	Dr. Mansi Soni
36	Prevalence of Musculoskeletal Disorders in Person with type 2 Diabetes Mellitus	
37	Comparative study of Exercise Habits of Young Adults in Urban v/s Rural Population	
38	Normative Value of Y Balance Test in Community Dwelling Elderly	
39	Various Dosimetry of Strengthening exercise on glycemic control in patients with type-2 diabetes mellitus -a scoping review	
40	Model of Y balance kit	
41	Association of physical activity and mental health during covid-19 in college going students	
42	A Case Study Effect of Balance Training In A Patient With Chronic Spinal Cord Injury	
43	A Correlational Study Between House Brackman Facial Nerve Grading System And Sunnybrook Facial Grading System in Bell's Palsy	
44	A Correlational Study Between Time Up And go Test (T.U.G) And Berg Balance Scale In Stroke Patient	
45	A Correlation Study Between Forward Functional Reach Test And Berg Balance Scale In Stroke Patients	
46	Relation between upper limb preference and lower limb preference among young students	
47	Correlation study between fascial asymmetry, physical function, social function and well-being with level of depression in patients with Bell's Palsy	
48	Effect of Gender and BMI on functional performance of middle aged farmers	
49	Gender Specific Comparison of Activity Limitation , Participation Restriction and Community re Reintegration Among Stroke Patients	
50	Effects of Auditory Cueing in Gait Training for Stroke Patients:A Case Series	
51	Identification of preferred Teaching Aid and Teaching method of Physiotherapy Students	
52	Effect of type of instruction, motivation and competition on gait speed of stroke patients	
53	Study to explore correlation between balance, functional mobility , and independence in activity of daily living with physical activity in sub acute and chronic stroke patients	
54	Identification of perceived barriers and facilitators for physical activity among stroke Patients -A preliminary survey	
55	Knowledge Practice Gap for Stroke Prevention among Hypertensive Patients	
56	Perception of individual about benefits and barriers of exercise and its influence on exercise adherence in patients suffering from stroke	
57	Factors influencing physical activity levels in patients with stroke - a narrative review of literature	
58	Determining community integration of patient with stroke	
59	Determining perceived environment barrier reported by patients with stroke	

60	Self-perceived Body Weight & Attitude towards weight management practices & Physical activity level of College Students	Dr. P Ratan Khuman
61	Comparision of Dynamic Balance in Different Duration of Symptomatic OA Knee with that of Age & Gender Match Individual	
62	Comparision of Dynamic Balance, lower limb range of motion and muscle strength among collegiate female cricketers with non-players	
63	Treatment Preferences for Management of knee Osteoarthritis Among Physiotherapists in Gujarat -A Survey	
64	Influence of socio-demographics on fear avoidance beliefs and pain among low back pain individuals	
65	Association of self reported and performance based physical function measures among subgroups of knee osteoarthritis	
66	Knowledge and use of international classification of function (ICF) core sets in clinical practice by Indian Physiotherapist	
67	Evaluation of physical fitness amongst University cricket players:A Exploratory study	
68	Instrument that measure the ostekinemantics and arthrokinemantics of joint: A thematic review	
69	Consideration of the upper limb functional mobility in the management of frozen shoulder: a narrative review	
70	Influence of Fear of Fall on Balance, Anxiety,Depression, and Activity Levels in Community Dwelling Elderly Individuals	Dr. L Surbala Devi
71	Knowledge and Attitude Towards Physical Activity Among Older Adults	
72	Association between falls in elderly with presence of orthostatic hypotension	
73	Association of Lower Limb Pain Due To Osteoarthritis on Balance and Fall Risk in Elderly Individuals	
74	Perceived Seriousness and Susceptibility of Stroke and Knowledge of Warning Signs among Elderly Individuals	
75	measurement of motivation for physical activity and exercise participation a review of commonly used tools	
76	The reliability and validity study of the gujarati version of the participation scale v 6.0 in patients with stroke	
77	Effectiveness of remind-to-move therapy in patients with neurological disorders with unilateral upper limb dysfunction: a scoping review	
78	Determining the intensity and physiological effect of a Kapalbhathi pranayama session in obese and non-obese women	Dr. Vidhi Thakkar
79	Quantification of intensity of strength training session using counting talk test and its agreement with 1 repetition maximum and session rate of perceived exertion	
80	Prevalence of Asymptomatic hypertension amongst school going children of 10-17 years of age	
81	Intension, Usage and Literacy related To M-Health application amongst rural population	
82	Awareness and attitude of charusat university students towards acquisition of knowledge and skills pertaining to cardiopulmonary resuscitation	
83	Impact of different chair height on plantar pressure distribution during sit to stand movement in healthy individual	Dr. Hemal Patel



84	Effect of Age, Gender and BMI on Plantar Pressure distribution	
85	Understanding Patient's Expectations from Physiotherapist:A Preliminary Survey	Dr. Vandita Soni
86	Factors Influencing Delay in Hospital Arrival after Stroke ; Cross Sectional Study	
87	Factors Affecting life Satisfaction after Chronic Stroke: A Cross Sectional Study	
88	Evaluation of the efficacy of peer learning method among physiotherapy students: A preliminary study	Dr. Sweni Shah
89	Understanding Constraints and Barriers to Sports Participation amongst University Females	
90	To estimate the extent of clinical decision errors in physiotherapeutic management of low back pain	
91	Educational Accuracy and quality of you tube videos on maitland mobilization technique for shoulder joint	
92	development and evaluation of an animation learning tool to improve clinical decision to identify red flags in low back pain among physiotherapy student	
93	Decision making ability of Physiotherapy students: Physiotherapy intervention or medical referral	
94	Validation of interviewer-administered methods of gujarati version of oswestry disability index 2.1a	
95	Physiotherapy student's knowledge about evidence based recommendation treatment in amanagement of low back pain	
96	Hypertension in asymptomatic young adults with parental history of hypertension	Dr. Megha Gohil
97	To assess and evalute an individual's aerobic endurance fitness of under 19 camp cricket players	
98	A Study To Find Out Various Sensory Responses Of Siump Test in Elderly Persons	Dr. Krupa Shah
99	A Study To determine Concurrrent Validity of Minibestest with Berg Balance scale in Stroke Individuals with ambulation	
100	A study to find out Effect of Different focus on motor learning in chronic stroke individuals	
101	A Comparative Study to Analyze Balance and Functional Activitice with Cognntition in Elderly Population	
102	A study to find out reference value of Moberg pickup test in elderely individuals of charotar region of gujarat.	
103	pain self efficacy as predictor of pain intensity and disability in chronic low back pain	
104	Attitude and Belief towards physical activity and exercise in patient with chronic low back pain a literature review	