

List of Equipments Required For The Establishment Of Musculoskeletal Research Lab
RESEARCH EQUIPMENTS

S.No	Name of the Equipment/Item	Specifications	Quantity
1	Anthropometric kit	7 piece hand evaluation kit 200 pound capacity hydraulic hand dynamometer (red), 30 pound capacity mechanical pinch gauge (blue), 6 inch stainless steel finger goniometer, 2-point discriminator with 3rd point, Wartenburg pinwheel, finger circumference gauge and functional finger motion gauge.	1
2.	Algometer	Digital, measures pain threshold, pain tolerance, trigger n tender point, 100 data point memory, rechargeable battery, capacity upto 20 kg	1
3.	Harpenden skinfold Calliper pro kit	Harpenden skinfold caliper, Lufkin W606PM anthropometric tape measure, and calibration dowel.	1
4	TECAR	500khz (CET& RET) 300 khz (D_CET), 1 channel, RET Mode, CET mode, Deep CET, Dynamic CET, Low Pulse, Super Pulse, & continuous Function	1
5.	EMG with NCV	Frequency spectrum, time, (RMS, integration) filtration (manual,	1
6	Portable pulmonary function testing machine with 6 minute walk test	flow accuracy 5% or 200ml, calibration free , Volume accuracy 3% or 50 ml, bio-calibration check feature, ultrasonic flow sensor comply with ATs/ERS guidelines for 6 minute walk test	1
7	Mobilzation Table	3 section table	2
8	Digicam with Tripod	D 90, 18/105 mm lens	1
9	Perineometer**	Digital, Wireless range up to 30m, twin axis, 3D analysis, rechargeable battery, vaginal and anorectal probe, biofeedback monitor	1
10	Flexicurve Ruler	30 cms flexible ruler	4
11	Pressure Biofeedback	Pressure range 0 to 200nm,analogue display type with inflation bulb	1
12	Digital inclinometer	Measuring range 0- 360 degree, electronic measurement accuracy at 1 to 89 degree	2
13	Upper limb CPM	Electrical CPM shoulder & elbow. CPU control, unit will run back while over moment.	1

		LCD color display of running angle, speed and time. Running angle and speed setting function. suit to adult not tall than 1.9m	
14	Lower Limb CPM	<p>Tech CPM is a computerized Lower Limb CPM machine with speed control and digital controls of flexion and extension angles.</p> <ul style="list-style-type: none"> • CPM is useful to treat joints of the lower limb after an injury, disease or the following surgery. Based on a concept originated by SALTER IN 1970, this device has varied applications namely treatment of intra-articular fractures, septic arthritis, ligaments tendon healing and also following total joint replacement to ensure a sufficient range of motion. <p>Features:</p> <ul style="list-style-type: none"> • Patient safety switch to stop and reverse the motion • Manual up/down: Manual flexion and release • Electronic controls enable for range of motion 	1