



தமிழ்நாடு உடற்கல்வியியல் மற்றும் விளையாட்டுப் பல்கலைக்கழகம்

TAMILNADU PHYSICAL EDUCATION AND SPORTS UNIVERSITY, CHENNAI

Accredited with "B++" Grade by NAAC

India's First State University in Physical Education and Sports

3.1.5 Institution has the following the facilities to support research

1. Central Instrumentation Centre

This centre has all Lab facilities such as ICT Lab, Pedagogy Lab, Human performance lab, Measurement and Training Lab, Sports Biomechanics Lab, Exercise Physiology Lab, Sports Technology Lab (Wind Tunnel), Sports Psychology Lab, Yoga Lab, Athletics Rehabilitation Care Centre, Language Lab, Multimedia Lab, Seminar Hall and Library. These facilities are utilized for research by the M.Phil, PhD scholars and Teaching faculty. The elite athletes from all over the state utilize these facilities to test various parameters to improve their sports performance.

2. Animal House

This University is having animal house i.e. Horse stable. This facility has been utilized by all the students of this Institution. The horses are been utilized for horse riding to develop sporting event. The horse riding athletes are tested in various physical, physiological, psychological, Biomechanical, Technological variables.

Green House:

This Facility has been utilized by the students and scholars of the Department of Exercise Physiology and Nutrition and Yoga. The Research Scholars prepare natural juices, grass juices to find the caloric values and their effect on performance.

3. Studio

The studio has camera, computer, audiovisual equipment to record various study materials and to develop E- Content. This facility is utilized to support research work.

4. Business Lab

The Business centre has been utilized by the students and research scholars of the MBA Department. This business centre has also having Talley software.

5. Research Database

The research Database is available in the University Library. The researches Scholars use this data base for their references. More than two decades of references are available in research quarterly.

6. Open Air Theater

The open air theater will be used for projecting videos on sports techniques, tactics and for analysis. The students learn different methods and modalities of sports and research related aspects.

The above said facilities have been utilized regularly by different stakeholders such as students, research scholars (M.Phil., & Ph.D., Scholars), teachers of different departments & Affiliated Colleges.

V. S. S.

Registrar
Tamilnadu Physical Education
and
Sports University
Chennai

MEASUREMENT AND SPORTS TRAINING LABORATORY

S.NO	EQUIPMENT	NO'S
1.	Digital Back Leg Dynamometer	1
2.	Digital Hand Grip Dynamometer	1
3.	Skin Fold Caliper	1
4.	Goniometer	1
5.	Flexo Meter	1
6.	Anthropometri Rod	1
7.	Body Circumference Tape	2
8.	Sit and Reach box	2



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Partners Park

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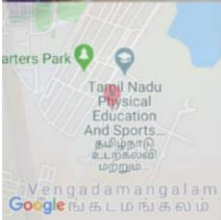
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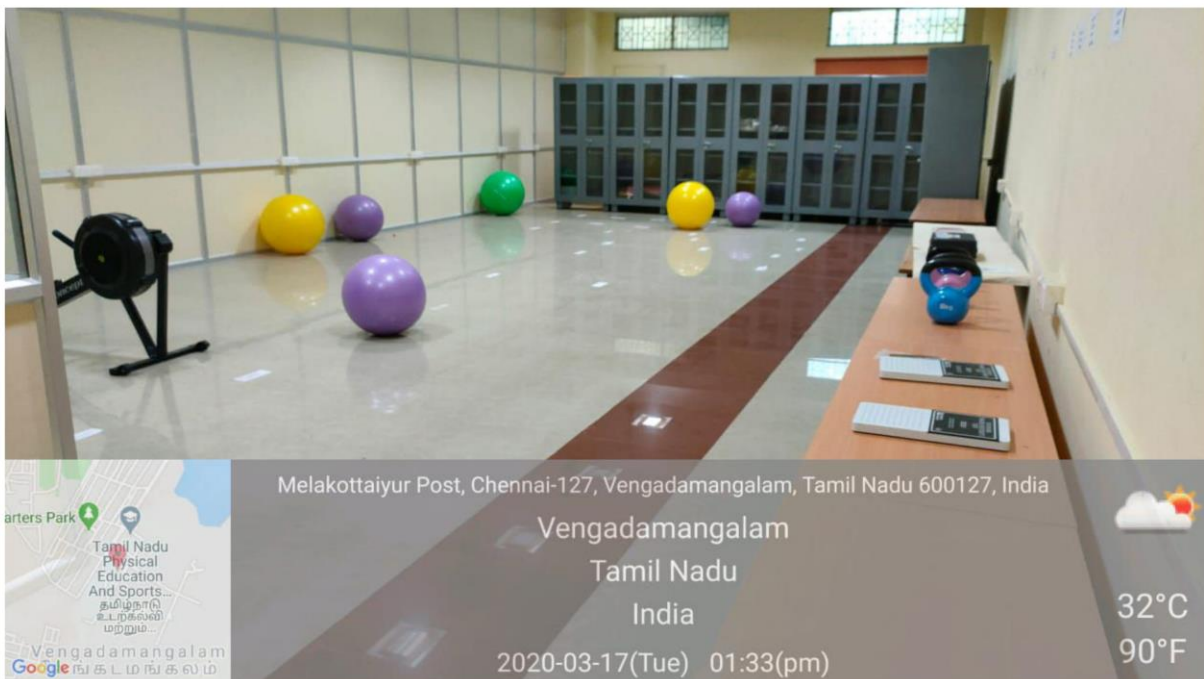
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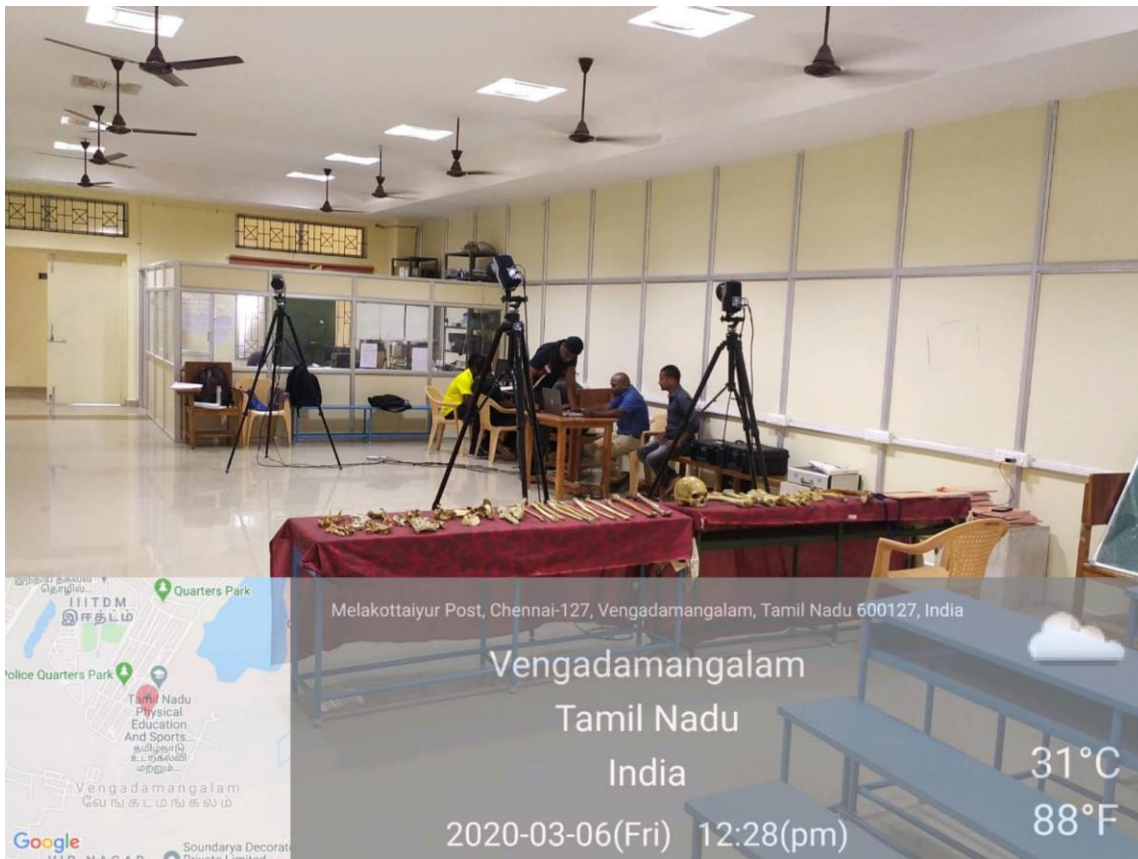
HUMAN PERFORMANCE LABORATORY

S.NO	EQUIPMENT	NO'S
1.	Digital Spiro Meter	1
2.	Digital Hand Grip Dynamometer	1
3.	Finger Dexterity Test	1
4.	Pulmonary fitness Testing with software-windows	1
5.	Rowing Machine with Digital Display	1
6.	Swiss Ball	10
	Size 55cm	
	Size 65 cm	
	Size 75 cm	
7.	Kettle Ball	3
	Weight 8 Kg	
	Weight 6 kg	
	Weight 4 kg	



SPORTS BIOMECHANICS & KINESIOLOGY LABORATORY

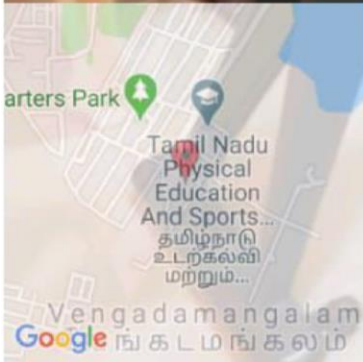
S.NO	EQUIPMENT	NO'S
1.	Sony camera with tripod	1
2.	Dell laptop	1
3.	Stadiometer	1
4.	Stopwatch	1
5.	Basler camera	1
6.	Bushnell Radar Gun & energy Battery Charger	1
7.	Goniometer	
8.	Qualisys Motion capture Cameras with accessories and software	
9.	Motion Capture camera Oqus 600+	
10.	Oqus sun filter	1
11.	Data power cable 15m	1
12.	Host cable 15m	1
13.	Power Supply cable 240W	1
14.	Case for camera	
15.	Case for cable	1
16.	Tripod with Manfrotto head	3
17.	Qualisys motion capture software	1
18.	Visual 3D software	1
19.	HP laptop	1
20.	Hp printer	1



EXERCISE PHYSIOLOGY & NUTRITION LABORATORY

S.NO	EQUIPMENT	NO'S
1.	KYOCER F.S 6525 MFP	1
2.	IKON 3-SEATER TABLE	3
3.	IKON-REVOLVING CHAIR	9
4.	IKON- Storage table	2
5.	Ahuja AMP	1
6.	Ahuja Speaker	1
7.	Sony VPL Projector	1
8.	Dell Laptop	1
9.	Samsung DB 55inch (Monitor)	1
10.	Cortex-Air check Metabolic Exercise	1
11.	HP 18 Inches Monitor	9
12.	Swiss ball	9
13.	Aerobic Step Board	5
14.	Weighing Machine	1
15.	Notice Board	1
16.	Display Charts (Board)	9
17.	Weighing Machine (Big)	1
18.	Books	29
19.	Body Composition analyser	1
20.	Small Bone caliper	1
21.	Anthropometric Tape	1
22.	Polar Heart rate Monitor	1
23.	Camp Bell 20	11
24.	Metalyer	1
25.	AKR Veriton Desktop	1
26.	HP Desk Jet	1
27.	Monark Ergometer	1
28.	Projector Stand	1
29.	Steel Desk	50
30.	Steel Bench	50
31.	Computer Table	7
32.	Revolving Chair	9
33.	Windows Screen	15
34.	Treadmill	2
35.	Teraband	4
36.	Medicine Ball	1
37.	Rover	1

EXERCISE PHYSIOLOGY & NUTRITION LABORATORY

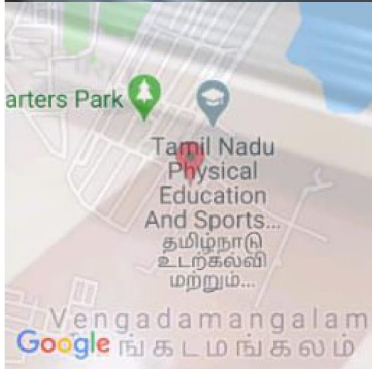


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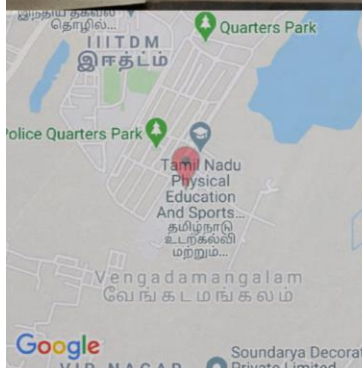
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SPORTS PSYCHOLOGY LABORATORY

S.NO	EQUIPMENT	NO'S
1.	Binet kamari Test for general mental Abilities	
2.	Bender Visuometer Test	
3.	Knox Cube Imitation test	
4.	Sequin Form Board	
5.	Ravens Standard Progressive Matrices	
6.	Coloured Progressives matrices	
7.	Wooden Screen (15'' x 18'')	
8.	Wooden Screen (18'' x 24'')	
9.	Tweezers Dexterity Board with Pins	
10.	Tachistoscope With Cards	
11.	Two Hand Coordination With Error Counter	
12.	Tachistoscope Cards and Dotted 17 Cards	
13.	Stroop Effects Test	
14.	Stop Watch (timer) Racer Electronics	
15.	Size Constancy Apparatus. Study the perception of size constancy and distance	
16.	Psychologist photograph	
17.	Mirror Drawing Starts paper	
18.	Finger Dexterity Board	
19.	Blind Goggles	
20.	Reasoning Agility Test	
21.	Verbal intelligence test	
22.	Stress management scale	
23.	State trait anxiety test	
24.	Socio economic status scale	
25.	Socio economics status scale (rural)	
26.	Socio economic status scale (college)	
27.	Short term memory	
28.	Social competence scale (16 years above)	
29.	Psycho physiological Stet Inventory (16 Years above)	
30.	Problem solving ability test (12-17 years)	
31.	P.G.I health questionnaire	
32.	Non-verbal group intelligence test (10 years above)	
33.	Mental health check list (16-28 yrs)	
34.	Mental health inventory (adult)	
35.	Mental depression scale (12 yrs above)	
36.	Global adjustment scale, form A for adults (18 yrs above)	
37.	Global Adjustment scale, forms for students (13 – 18 yrs)	
38.	Emotional intelligence (8-14 yrs)	
39.	IIP aggression scale (14 – 24 yrs)	

40.	Self esteem scale (children)	
41.	Rotter locus of control scale (18-25yrs)	
42.	Mental imagery questionnaire	
43.	Term effectiveness scale	
44.	EMG Biofeedback Bio trainer	



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YOGA & NATUROPATHY LABORATORY

S.No	Equipment	Nos		S.No	Equipment	Nos
1.	Mats	100		36.	Hand Dynamometers	1
2.	Woodblocks	4		37.	Height Scale (200cm)	1
3.	Bolsters	6		38.	Cuno meter (acupuncture)	1
4.	Sandbags	4		39.	Oximeter-choice MMed	1
5.	Pranayama Poles	10		40.	One touch –sugar tester	1
6.	Eye Pillows	2		41.	Weight Scale (100kg)	1
7.	Foot Rest	3		42.	Body Composition Monitors	1
8.	Ropes	2		43.	Human Brain model	1
9.	Slanting Planks	1		44.	Human Respiratory System model	1
10.	Stools	1		45.	Human Skeleton model	1
11.	Chairs	1		46.	Human Heart model	1
12.	Benches	1		47.	Acupuncture Ring	1
13.	ladder stool	1		48.	Acupuncture Needle	1
14.	Bandage	3		49.	Foot Reflexology	1
15.	Weight	1		50.	Human Body Points model	1
16.	Belt	2		51.	Peak Flow Meter	1
17.	Japamala	100		52.	Tri-Ball	1
18.	Neti pot	10		53.	Finger Dexterity Board	1
19.	VastraDhauti	5		54.	Reaction time	1
20.	Sutra Neti	10		55.	Finger Tapping Board	1
21.	Trataka stand	50		56.	Tachistoscope – fall drop type	1
22.	Steam Bath	1		57.	Division of Attention Board	1
23.	Hip Bath	1		58.	Seguin Form Board (Performance)	1
24.	Spine Bath	1		59.	Maze Learning-Electrical Board	1
25.	Enema cup	5		60.	Winking Reflex Apparatus/Air Puff Apparatus	1
26.	Eye cup	5		61.	Restriction of Movement Test Apparatus (Performance)	1
27.	Massage couch	1		62.	Muller Lyre Illusion Board (with stand) Performance	1
28.	Omron Weight machine	1		63.	Process involved in concept formation (performance)	1
29.	Stethoscope	1				
30.	Omron Digital Thermometer	1				
31.	Omron Pulse Machine	1				
32.	Diamond BP Apparatus	1				



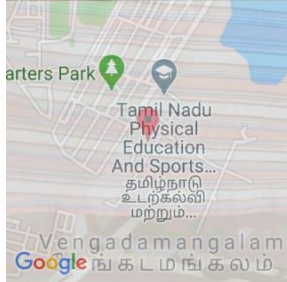
SPORTS TECHNOLOGY LABORATORY

S.No	Equipment	Nos
1.	Computers System 4 GB RAM 500 Gb Hard disk & 17 Core. O/s Window 8 Pro	6
2.	Ansys Workbench Software	5
3.	Dartfish 8.0 Software	1
4.	Basler High Speed Camera	1
5.	Aerodynamics lab	
	Computerized Low Speed Wind Tunnel Cross Section 300 mm x 600 mm Max Velocity =25 m/s, Hotwire anemometer 6 Axis force balance and pressure strain gauge	1
	Ball Force and Pressure Models <ul style="list-style-type: none"> ➤ Cricket ➤ Baseball ➤ Golf ➤ Table Tennis ➤ Tennis 	1



PHYSIOTHERAPY AND ATHLETIC REHABILITATION CENTRE

S.No	Equipment	Nos
1.	Infraredlamp	
2.	Interferential therapy	
3.	Electrical stimulator	
4.	Tens	
5.	Short wave diathermy	
6.	Icepack	
7.	Hot pack	
8.	Ice box	
9.	Bp apparatus	
10.	First aid kit	
11.	Sterilizing unit	
12.	Traction table	
13.	Diagnostic table	
14.	Wax bath	
15.	Crutches	
16.	Walker	
17.	Wheel chair	
18.	Rehabilitation accessories	
19.	Stretcher	
20.		
21.		



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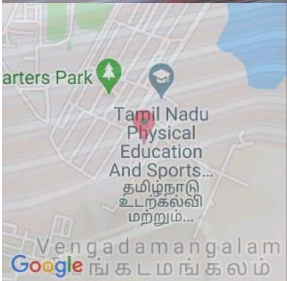
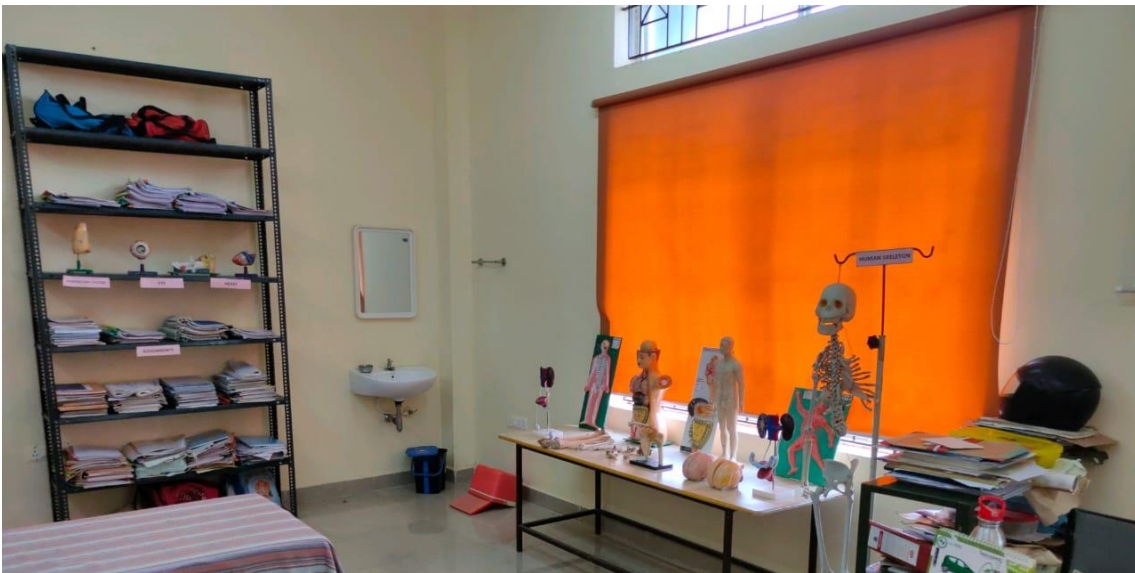
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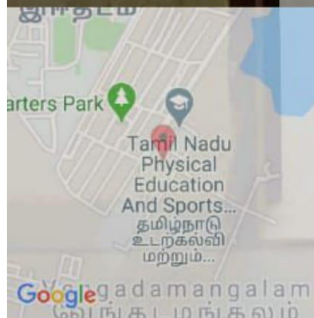
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ICT LAB

S.NO	EQUIPMENT	NO'S
1.	Tripod Screen with Stand	1
2.	Multimedia Projector LCD	1
3.	Desktop Computer	19
4.	Canon Image Printer	4
5.	LED TV	2



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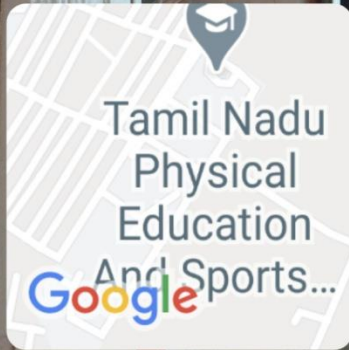
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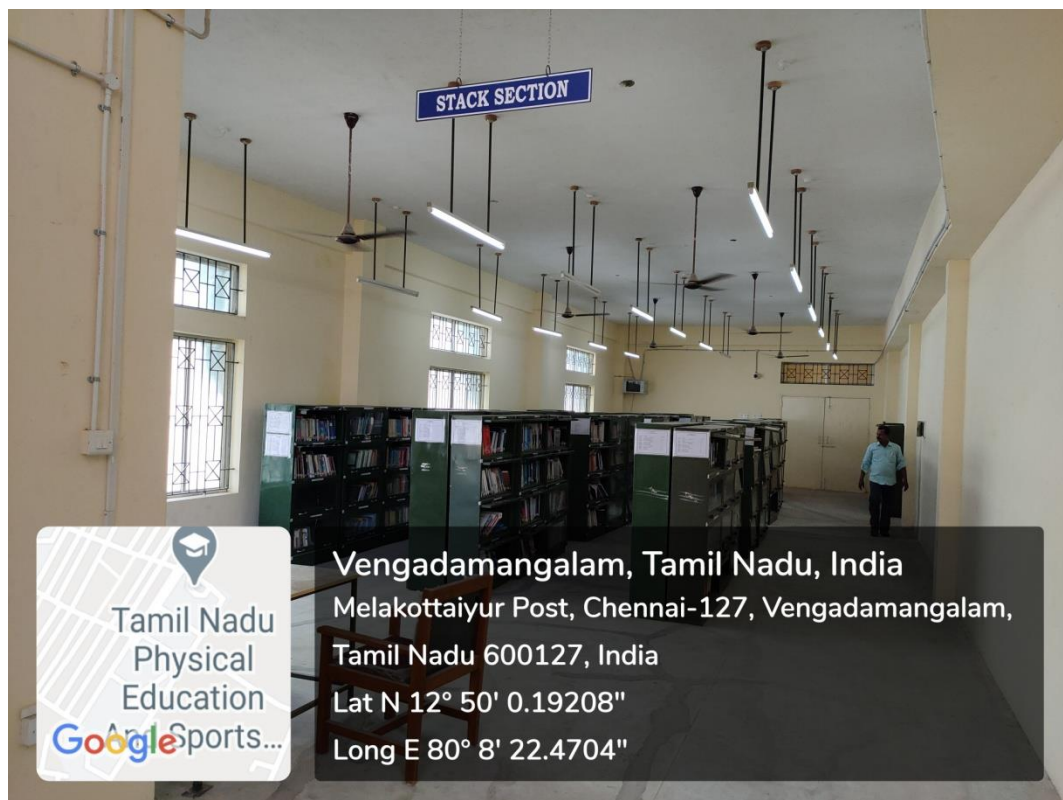
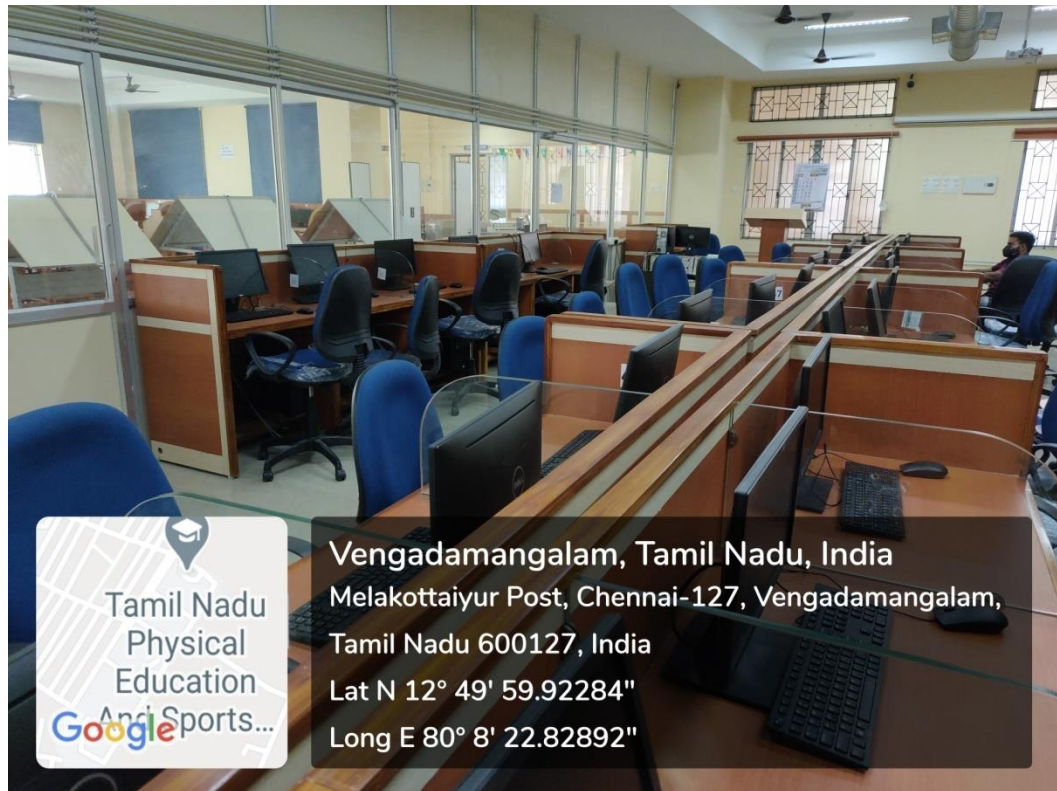
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LIBRARY



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Long E 80° 8' 22.7071"



ANIMAL HOUSE – (Horse Riding)

S.No	Equipment	Nos
1.	Riding pants	1
2.	Horse Riding Boots	1
3.	Gloves	1
4.	Helmet	1
5.	Saddle and Saddle pad	1
6.	Halter & Lead Rope	1
7.	A Girth	1
8.	Bridle and Reins	1
9.	Bit and Stirrups	1
10.	Grooming tools	1
11.	Large Buckets	1
12.	Water heater	1
13.	Feed tub	1
14.	Water trough	1
15.	Pitchfork	1
16.	Barn	1
17.	Manure Fork	1
18.	Stable Broom	1
19.	Spray tools	1
20.	Breakaway halters wash clothes	1
21.	Halter leather	1
22.	Hoof pick	1
23.	Lead robes	1
24.	Curry comb	1
25.	Fly repellent	1
26.	Mane comb	1
27.	Body brush	1



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GREEN HOUSE



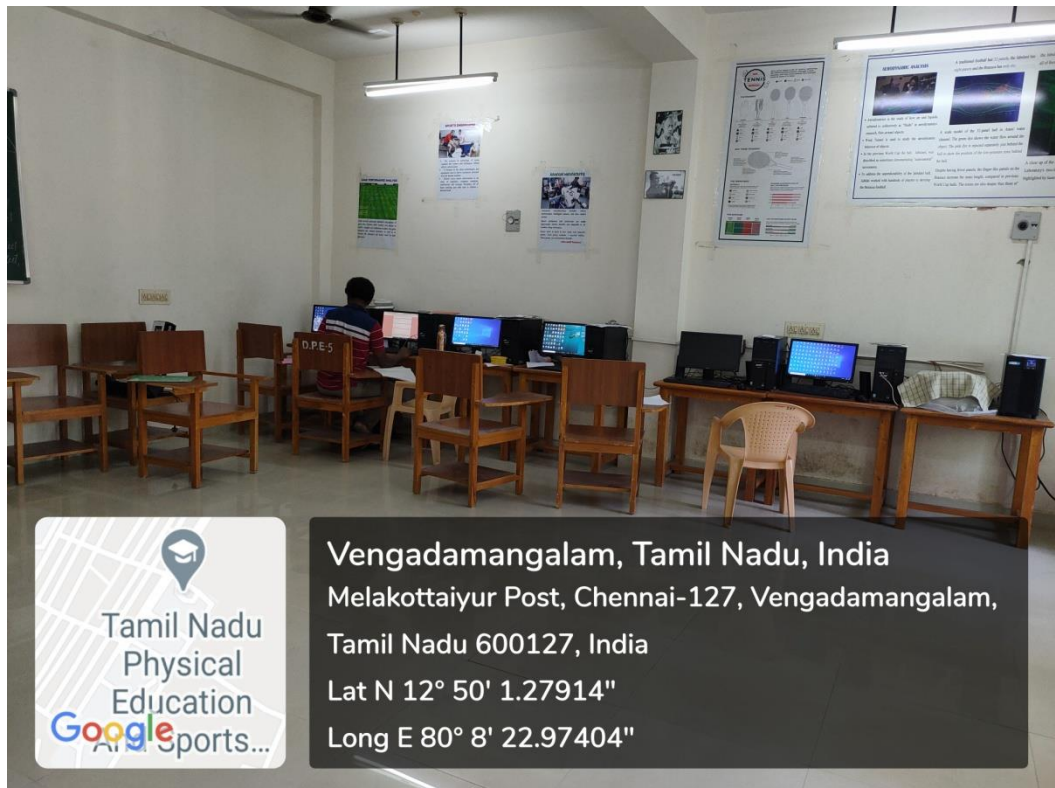
STUDIOS

S.No	Equipment	Nos
1.	Desktop	1
2.	Laptop	1
3.	Camera	1
4.	Lighting provision	1 set
5.	OBS Video Recording Software	1





Business Lab



RESEARCH DATABASES

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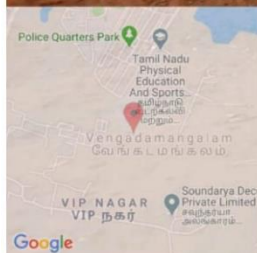
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Administrative Block



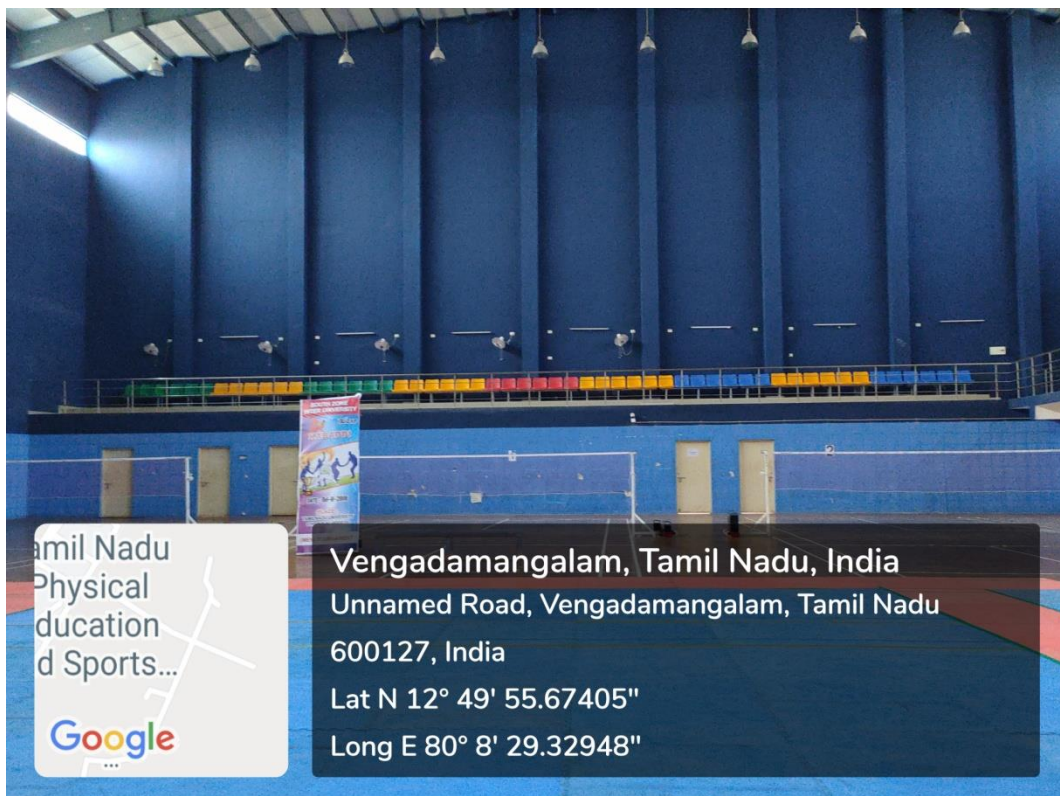
Academic Block



Library & Laboratories



Indoor Stadium



Sports Biomechanics Lab



Sports Hostel



Wind Tunnel Lab



Multimedia Lab

