

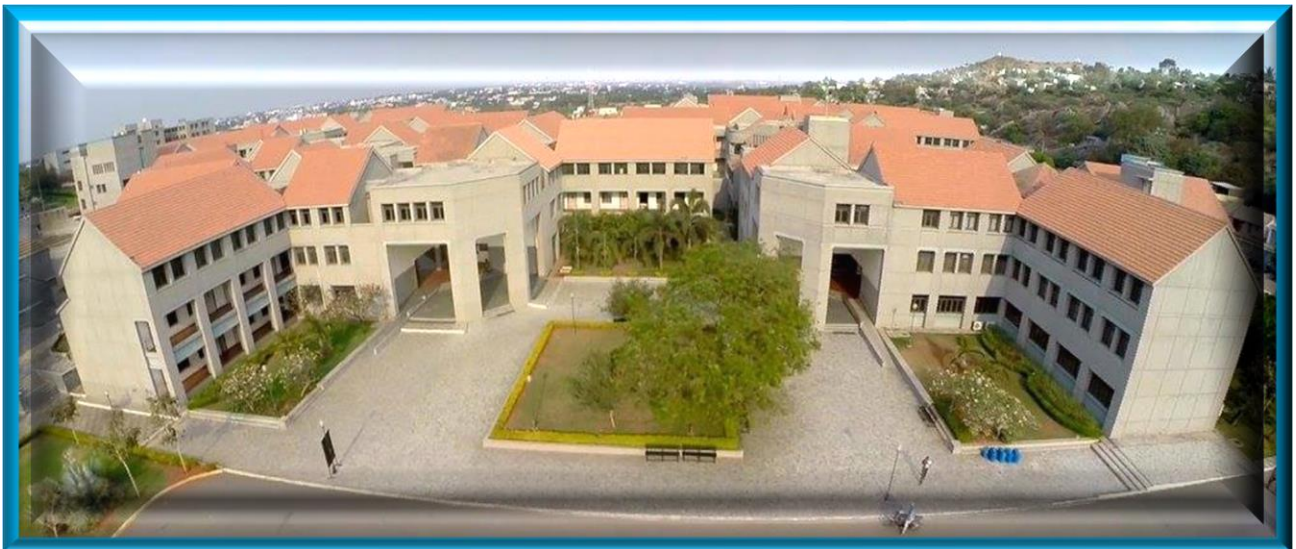


Sri Krishna Arts and Science College

Coimbatore

Research Facilities

Sri Krishna Arts and Science College constitutes of Thirty-seven research laboratories of various streams like Biotechnology, Microbiology, Bioinformatics, Computer Science, Psychology, Costume design and Fashion, Electronics and Communication system which gives a major support to the undergraduate, postgraduate and research scholars to get enriched in the practicals and their research. Academic laboratory that promotes, empower, stimulate and update one and all within range. They comprise together research and teaching labs.



Department of Catering Science & Hotel Management

Details of the Laboratory

Sl.No	Name of the Dept	Lab Size	Total Area in Sq.Ft
1	Basic Training Kitchen	38'x66'	2500
2	Advanced Training Kitchen	75'x31'	2300
3	Quantity Training Kitchen	33'x36'	1200
4	Bakery	33'x33'	1100
5	House Keeping	30'x36'	1100
6	Restaurant & Mock Bar-I	59'x22'	1300
		10'x25'	250
		10'x0.5'x22'	150
		10'x0.5'x25'	150
7	Restaurant -II	30'x30'	900

Department of Catering Science & Hotel Management

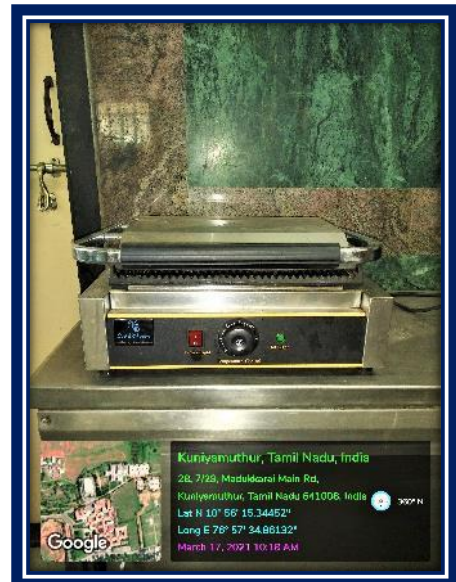


Bar Counter

The counter at which drinks are served by a bartender is called "the bar". This counter typically stores a variety of beers, wines, liquors, and non-alcoholic ingredients, and is organized to facilitate the bartender's work.

Roti Maker

It is used to make grilled sandwiches, fish, chicken or any food items can be grilled either by direct or by press grill



Microwave Oven

A microwave oven can let you cook delicious and mouth-watering meals quickly. You can bake cakes, prepare continental food items, grilled food items, and uses for defrosting and reheating food



Range / Stove

A range is a stove and has a source of fuel which is gas. It is a common kitchen appliance. It is used to cook all type of foods.



Dosa tawa

To pre pare dosa, chapathi, parathas, parota and so. To grill food items

Cookie dropper

To make cookies in even shape & size very quickly. Bulk production can be made easy





Cake batter machine

A Cake batter machine is a perfect appliance for people who find it difficult to manually mix the batter. Also saves a lot of time and effort. we can make bulk quantity easily



Dough Sheeter

A dough sheeter uses rollers to flatten the pizza dough into sheets. As it does so, it forces gas out of the dough. Think of the sheeter as being like an extra mixing step. It can develop the gluten which makes the dough tougher.

Department of Costume Design and Fashion

Details of the Laboratory

Sl.No	Name of the Dept	Lab Size	Total Area in Sq.Ft
1	Pattern Making Lab	31'x22'	700
2	Sewing Lab	60'x32'	2000
3	Draping Lab	22'x36'	800
4	Testing Lab	30'x38'	1200
5	Processing Lab	23'x46'	1100
6	New Lab	30'x24'	750

Department of Costume Design and Fashion

JUKI's Industrial Sewing Machine

JUKI's industrial sewing machines sew "stitches" for products in every field, from apparel products, sportswear, shoes, and bags to car seats. The stitching capability of JUKI's machines supports the global sewing industry.



Tensile Strength Tester

The strip test is a tensile test in which the full width of the test specimen is gripped in the tensile grip jaws of a universal testing machine. During this test, tensile force is applied on the fabric specimen until it ruptures.



Wrap reel

A wrap reel or skein winder is a device for measuring yarn and making it into hanks of a standard size. The reel is of a standard size and its revolutions are counted as the yarn is wrapped around it. Typically, a set number of revolutions will be used so that the hank is of a standard size — a skein or lea.





Microscope

The microscopic test is a technical test that involves identifying the fabric with the help of a microscope with a magnification of minimum 100 power. The test can easily distinguish between fibres. The test identifies the natural fibres more easily as compared to man-made ones

Yarn Twist Tester

The Hand-Operated Yarn Twist Tester determines yarn twist in turns per inch or meter in single or plied yarns with quadrant scale for standard or untwist/retwist methods. Test lengths adjustable up to 500mm or 20 inches. Suitable for S or Z twisted yarns, with mechanical reversible counter



Lea Strength Tester

Lea Strength Tester, to determine the strength and elongation of skein yarn. The test for determination of lea strength consists of making a lea from the yarn with the help of a wrap reel and testing it on the lea strength tester, which registers the maximum load at which the lea starts unravelling.



Launderometer

To determine the Colour Fastness to Washing or Dry Cleaning. Temperature upto 98° with a Digital Temperature controller.



Textile Dye bath

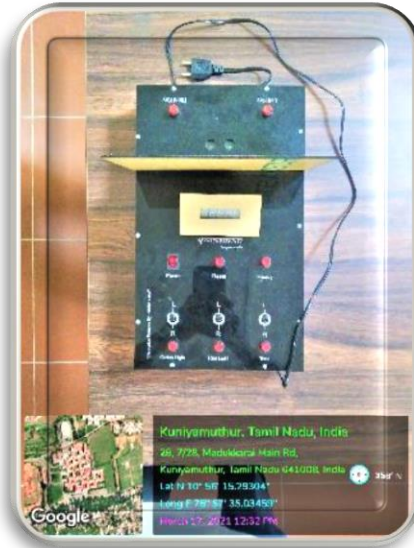
Dyeing is the application of color to a textile material with some degree of fastness or ... Based on the previous description of color vision, it is obvious that without ... The dye bath consists of water, dyes, and any necessary auxiliary chemicals.

Department of Psychology

Details of the Laboratory

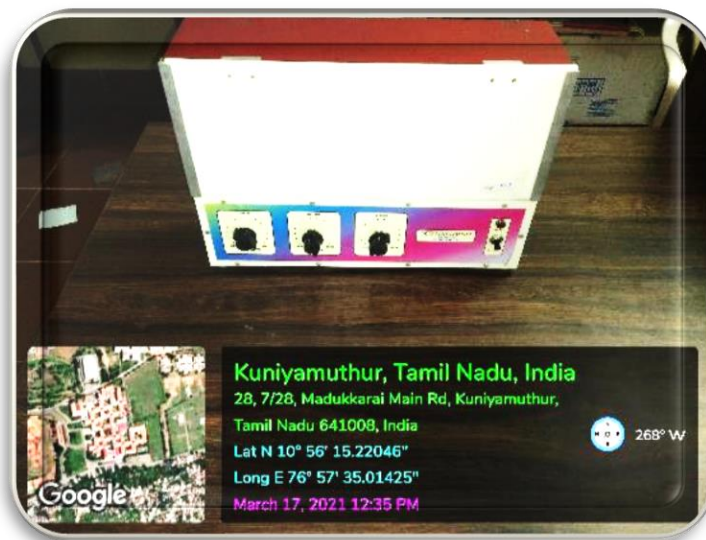
Sl.No	Name of the Dept	Lab Size	Total Area in Sq.Ft
1	Psychology Lab	45'x31'	1400

Department of Psychology



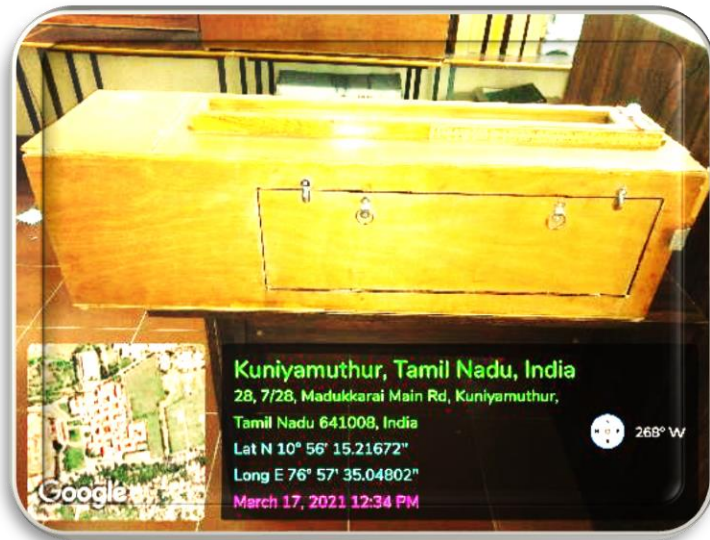
Reaction Time Experiment

This instrument is used to measure the speed of an individual in three different reaction time concepts.



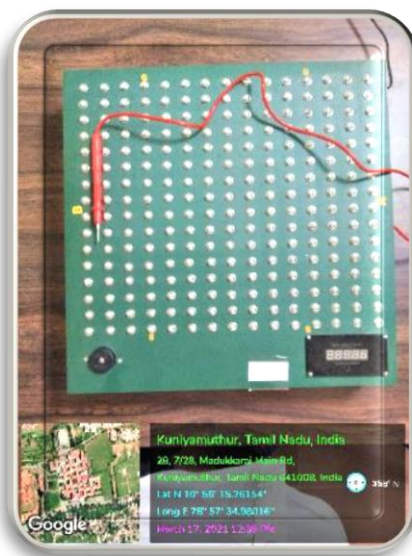
PHI Phenomena

The phi phenomenon is the optical illusion of perceiving continuous motion between separate objects viewed rapidly in succession



Depth Perception

This instrument is used to measure the depth perception of an individual through vision



Electrical Maze

This Instrument is used to measure the learning of a person in two different ways. (trial and error learning, Insight learning).

Department of Bioscience

Details of the Laboratory

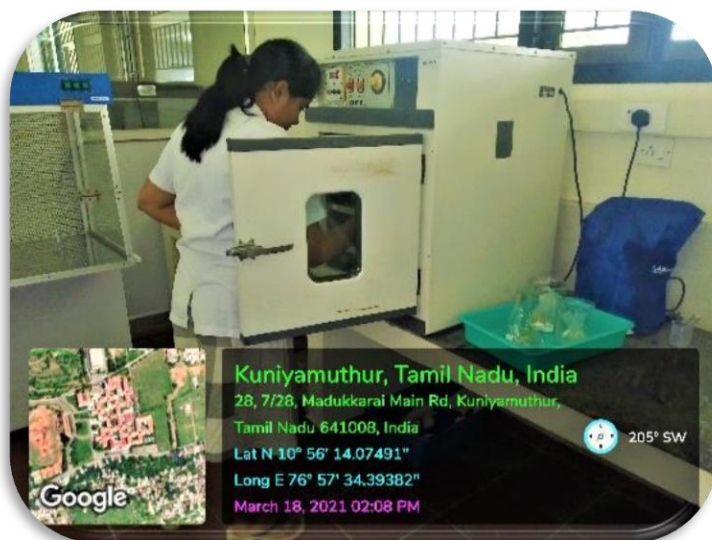
Sl.No	Name of the Dept	Lab Size	Total Area in Sq.Ft
1	Bio-Science Lab PG	62'x31'	2000
2	Bio-Science Lab UG	75'x31'	2300
3	Micro Biology UG	60'x31'	1900
4	Instrumentation Lab	32'x30'	1000

Department of Bioscience



Laminar Airflow Chamber

A laminar flow cabinet or tissue culture hood is a carefully enclosed bench designed to prevent contamination of semiconductor wafers, biological samples, or any particle sensitive materials. Air is drawn through a HEPA filter and blown in a very smooth, laminar flow towards the user.



Incubator

An incubator is a device used to grow and maintain microbiological cultures or cell cultures. The incubator maintains optimal temperature, humidity and other conditions such as the CO₂ and oxygen content of the atmosphere inside.

Cooling Centrifuge

Cooling centrifuge works on the concept of sedimentation principle by holding up the sample tubes with a capacity of 2ml, 10ml and 50ml in rotation around a fixed axis. In this, the centripetal force causes the denser substances to separate out along the radial direction in the bottom of the centrifuge tube.



Probe Sonicator

This probe sonicator is an ideal instrument to accelerate the chemical and or physico chemical reactions, for the purpose of liquid degassing and also for sample cleaning i.e., to removes all dirt & foreign bodies from components which are immersed in the cleaning liquid.





Cold Room

Cold room is used to store the chemicals and microbes at specific temperature that is artificially generated.



Plant Tissue Culture Lab

A tissue culture laboratory is a lab where little plants are grown in a climate chamber or growth chamber for research, breeding or multiplication. It consists of media rooms, cutting rooms and growth chambers.



Autoclave

A machine that provides a physical method of sterilization by killing bacteria, viruses, and even spores present in the material put inside of the vessel using steam under pressure.

Rotary Vacuum Evaporator

Rotary Vacuum Evaporator that are used in chemical laboratories to remove the solvents from samples through evaporation.





Vermicomposting

Vermicomposting is a type of composting in which certain species of earthworms are used to enhance the process of organic waste conversion and produce a better end-product.



Green House

A greenhouse is a structure with walls and roof made chiefly of transparent material, such as glass, in which plants requiring regulated climatic conditions are grown.



Bioinformatics Lab

Bioinformatics laboratory has been used for in silico analyses of biological queries using mathematical and statistical techniques

Department of Electronics and Communication System

Details of the Laboratory

Sl.No	Name of the Dept	Lab Size	Total Area in Sq.Ft
1	DSP/ VLSI Lab	36'x31'	1200
2	Microprocessor & Microcontroller Lab	30'x38'	1200
3	Electronics Circuits Lab	65'x31'	2000
4	Electronics communication Lab	45'x31'	1400
5	Research Lab	15'x31'	500

Department of Electronics and Communication System



Signal Generator

A signal generator is piece of test equipment that produces an electrical signal in the form of a wave. This is used as a stimulus for the item being tested.



Printed Circuit Board

A printed circuit board, or PCB, is used to mechanically support and electrically connect electronic components using conductive pathways, tracks or signal traces etched from copper sheets laminated onto a non-conductive substrate.



Double Sideband

it is a form of modulation where an AM signal is taken and the carrier is removed to leave the two sidebands. SSB modulation where the carrier is removed completely as opposed to SSB reduced carrier where some of the carrier is left.

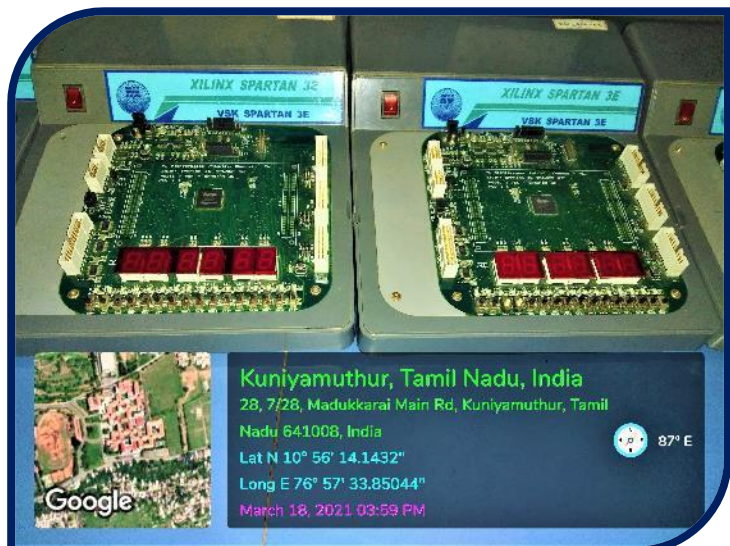
Pulse-amplitude modulation (PAM)

A form of signal modulation where the message information is encoded in the amplitude of a series of signal pulses.



DSP co-processor

Ideal for logic integration, DSP co-processing and embedded control, requiring significant processing and narrow or few interfaces.



Delta Modulation

A delta modulation (DM or Δ -modulation) is an analog-to-digital and digital-to-analog signal conversion technique used for transmission of voice information where quality is not of primary importance.



Department of Computer Science

Details of the Laboratory

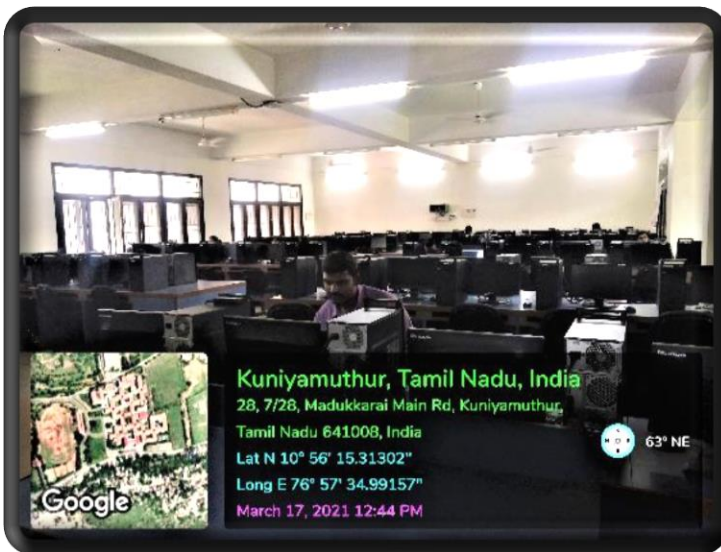
SI.No	Name of the Dept	Lab Size	Total Area in Sq.Ft
1	IBM Lab	40'x40'	1600
2	Wipro Lab	40'x40'	1600
3	XP Lab	40'x40'	1600
4	Vista Lab	40'x40'	1600
5	Linux Lab	50'x38'	1900
6	Lenovo Lab	50'x32'	1600
7	Windows Lab	50'x32'	1600
8	Mac Lab	30'x36'	1200
9	Dell Lab	40'x40'	1600
10	Digital Lab	32'x60'	2000
11	Microsoft Lab (Skim FF)	32'x55'	1800
12	Ubuntu Lab (Skim SF)	40'x40'	1600
13	Research Lab (I Block SF)	40'x40'	1600
14	New Computer Lab 1 (F 201)	32'x31'	1000
15	New Computer Lab 2 (F202)	32'x31'	1000
16	New Computer Lab 3 (F204)	32'x31'	1000

Department of Computer Science



Server Computer

A server is a computer connected to a network of other workstations called 'clients'. Client computers request information from the server over the network.



Red Hat Laboratory

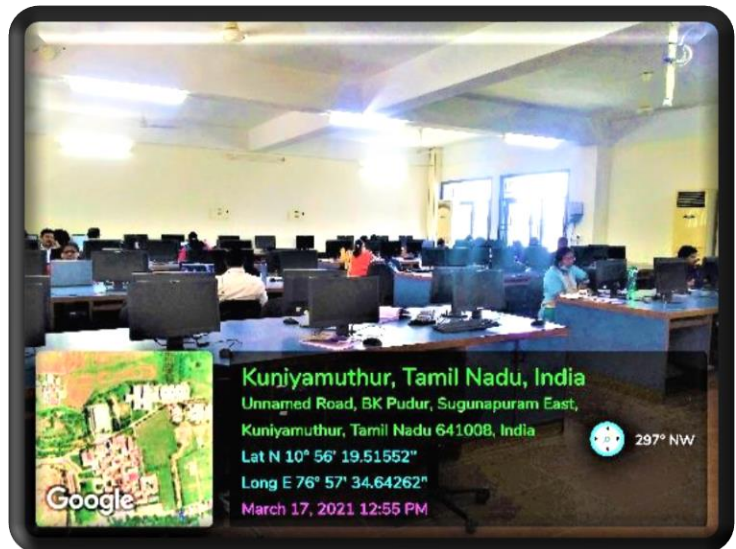


Lenovo Laptop Lab

Windows Lab



Lenovo Lab



Ubuntu Lab

