



**St. Mary's College (Autonomous)**  
Reaccredited with 'A+' Grade by NAAC (Cycle IV)  
Thoothukudi



**Criterion: IV – Infrastructure and Learning Facilities**  
**4.1 Physical Facilities. Year 2018-2023**



**4.1.1 The Institution has adequate infrastructure and other facilities for Teaching – learning**

➤ **Laboratory Details**

|                | <b>Lab</b>                       | <b>Lab Room Number</b> | <b>Measurement</b> |
|----------------|----------------------------------|------------------------|--------------------|
| <b>A Block</b> | Botany Computer Lab              | A12                    | 24 x 15 ½          |
|                | III B.Sc. Botany Lab             | A13                    | 45 x 44½           |
|                | M.Sc. Botany Lab                 | A14                    | 45 x 18            |
|                | Instrumentation Room Botany      | A15                    | 45 x 12½           |
|                | Microbiology Lab                 | A16                    | 45 x 30            |
| <b>B Block</b> | M.Sc. Chemistry Lab              | B03                    | 47½ x 32           |
|                | Chemistry I Lab                  | B05                    | 40 x 32            |
|                | Chemistry I Lab (Physical)       | B06                    | 30½ x 32           |
|                | Instrumentation Room (Chemistry) | B07                    | 16 x 32            |
| <b>C Block</b> | Physics I Lab (Electronics)      | C04                    | 39 ½ x 51          |
|                | Physics II Lab (Electronics)     | C05                    | 39 ½ x 41¼         |
|                | Physics Computer Lab             | C09                    | 39 ½ x 41¼         |
| <b>D Block</b> | Computer Science Lab             | D06                    | 31 x 29            |
|                | M.Sc. Physics                    | D11                    | 30 x 20            |
|                | Language Lab                     | D14                    | 30 x 20            |

|                |                              |     |          |
|----------------|------------------------------|-----|----------|
|                | M.Sc. Computer Science Lab   | D17 | 22 x 20  |
| <b>E Block</b> | DST FIST Lab                 | E05 | 30 x 13½ |
| <b>F Block</b> | Zoology PG Lab               | F04 | 34 x 24  |
|                | Zoology Instrumentation Room | F07 | 19 x 18  |
| <b>G Block</b> | Computer Lab II              | G12 | 23 x 17½ |
| <b>H Block</b> | Psychology Lab               | H32 | 18 x 12  |

### ➤ Laboratory Equipments

#### Department of Physics

##### General Equipment

| S.No | Name of Apparatus   | Quantity |
|------|---------------------|----------|
| 1    | Cutting plier big   | 1        |
| 2    | Cutting plier small | 3        |
| 3    | Power man generator | 1        |
| 4    | Stop watch          | 14       |
| 5    | 1 Meter scale       | 29       |
| 6    | Scissors            | 2        |
| 7    | Screw driver set    | 1        |
| 8    | Screw driver big    | 1        |
| 9    | Screw driver small  | 1        |
| 10   | Tray(tin)           | 5        |
| 11   | Aluminium big       | 1        |
| 12   | Aluminium small     | 3        |
| 13   | Retort stand        | 17       |
| 14   | Fortin's Barometer  | 1        |

##### Mechanics

| S.No | Name of Apparatus           | Quantity          |
|------|-----------------------------|-------------------|
| 1    | Bifillar pendulum (Brass)   | 4                 |
| 2    | Compound pendulum           | 8                 |
| 3    | Knife edge                  | 6(sets)           |
| 4    | Screw gauge                 | 14                |
| 5    | Slotted weights 50g (steel) | 8 set with hanger |
| 6    | Slotted weights 50g (brass) | 4 set with hanger |
| 7    | Slotted weights 25g (brass) | 4 set with hanger |

|    |                                 |                   |
|----|---------------------------------|-------------------|
| 8  | Slotted weights 100g (steel)    | 8(loose)          |
| 9  | Slotted weights 100g(sonometer) | 3 set with hanger |
| 10 | Slotted weights (torsion) 20g   | 4 (loose)         |
| 11 | Slotted weights (torsion) 50g   | 4 (loose)         |
| 12 | Stop clock                      | 10                |
| 13 | Torsion pendulum                | 7                 |
| 14 | Vernier callipers               | 20                |
| 15 | Spring balance                  | 8                 |
| 16 | Diffraction grating             | 6                 |

### Heat

| S.No | Name of Apparatus     | Quantity |
|------|-----------------------|----------|
| 1    | Copper vessel(big)    | 6        |
| 2    | Copper vessel(small)  | 5        |
| 3    | Spherical Calorimeter | 10       |
| 4    | Steam Boiler          | 6        |
| 5    | Lee's disc            | 5        |

### Optics

| S.No | Name of Apparatus                            | Quantity |
|------|----------------------------------------------|----------|
| 1    | Mercury lamp with choke                      | 2        |
| 2    | Newton's ring apparatus                      | 4        |
| 3    | Spectrometer                                 | 11       |
| 4    | Sprit level                                  | 1        |
| 5    | Microscope                                   | 15       |
| 6    | Telescope                                    | 6        |
| 7    | Sodium vapour lamp with choke                | 2        |
| 8    | Sodium vapour lamp,35 watts                  | 1        |
| 9    | wooden cabin for sodium lamp                 | 1        |
| 10   | Sodium vapour lamp with transformer 35 watts | 1        |

## Magnetism

| S.No | Name of Apparatus                   | Quantity |
|------|-------------------------------------|----------|
| 1    | Magnets                             | 8 pairs  |
| 2    | Deflection magnetometer compass box | 13       |
| 3    | Vibration magnetometer              | 5        |
| 4    | Tangent galvanometer                | 6        |
| 5    | Vibration magnetometer(needle)      | 10       |

## Sound

| S.No | Name of Apparatus       | Quantity |
|------|-------------------------|----------|
| 1    | Kilogram weight (1/2kg) | 28       |
| 2    | Kilogram weight (1kg)   | 29       |
| 3    | Ammeter                 | 12       |
| 4    | Magnetic stirrer        | 1        |
| 5    | Melde's apparatus       | 1        |
| 6    | Battery eliminator      | 16       |
| 7    | Carry faster bridge     | 4        |
| 8    | Charge discharge key    | 19       |
| 9    | Commutator              | 24       |
| 10   | Galavanometer           | 10       |

## Electricity

| S.No | Name of Apparatus                    | Quantity |
|------|--------------------------------------|----------|
| 1    | Spot galvanometer                    | 10       |
| 2    | High resistance                      | 11       |
| 3    | Plug key                             | 15       |
| 4    | Potentiometer                        | 9        |
| 5    | Resistance box(10000 $\Omega$ )      | 6        |
| 6    | Resistance box(5000 $\Omega$ )       | 10       |
| 7    | Resistance box round(5000 $\Omega$ ) | 5        |
| 8    | Resistance box(500 $\Omega$ )        | 11       |
| 9    | Resistance box round(500 $\Omega$ )  | 5        |
| 10   | Resistance box(100 $\Omega$ )        | 3        |
| 11   | Resistance box(0.1 $\Omega$ )        | 5        |
| 12   | Rheostat                             | 14       |
| 13   | Sonometer                            | 3        |
| 14   | Standard resisitance (1 $\Omega$ )   | 12       |
| 15   | Switch board                         | 5        |
| 16   | Thermo couple                        | 12       |
| 17   | Mutual inductance coil               | 9(pairs) |



|    |                                 |    |
|----|---------------------------------|----|
| 18 | Tap key                         | 14 |
| 19 | Temperature coefficient coil    | 10 |
| 20 | Transformer(step down)          | 3  |
| 21 | Transformer small with variable | 4  |
| 22 | Transformer for sonometer       | 3  |
| 23 | Thermo meter                    | 11 |
| 24 | Six way key (DPDT key)          | 4  |
| 25 | Sodium lamp transformer         | 2  |
| 26 | Daniel cell                     | 6  |
| 27 | Lechlanche cell                 | 6  |
| 28 | Electronic balance              | 1  |
| 29 | AF oscillator                   | 6  |
| 30 | Audio oscillator                | 10 |

### Electronics:

| S.No | Name of Apparatus             | Quantity |
|------|-------------------------------|----------|
| 1.   | Cathode ray Oscilloscope      | 7        |
| 2.   | Head phone                    | 8        |
| 3.   | CR meter                      | 1        |
| 4.   | Dual power supply(big)        | 3        |
| 5.   | Regulated power supply        | 3        |
| 6.   | Power supply (V.M.)(A.M.)     | 4        |
| 7.   | Power supply(30V with digital | 5        |
| 8.   | DC power supply               | 6        |
| 9.   | Stove (gas)                   | 4        |
| 10.  | Logic trainer Kit             | 8        |
| 11.  | Condensor box(3dial)          | 12       |
| 12.  | Condensor box(2dial)          | 8        |
| 13.  | Condensor box(0.5dial)        | 4        |
| 14.  | Condensor box(0.1dial)        | 5        |
| 15.  | Soldering Iron                | 2        |
| 16.  | Multimeter                    | 8        |
| 17.  | Voltmeter(0 – 0.1)DC          | 4        |
| 18.  | Voltmeter(0 – 5) DC           | 15       |
| 19.  | Voltmeter(0 – 10) DC          | 9        |
| 20.  | Voltmeter(0 – 20) DC          | 6        |
| 21.  | Voltmeter(0 – 30) DC          | 1        |
| 22.  | Voltmeter(0 – 300) DC         | 8        |
| 23.  | Voltmeter(0 – 5) AC           | 6        |
| 24.  | Voltmeter(0 – 10) AC          | 6        |
| 25.  | Voltmeter(0 – 50) AC          | 3        |
| 26.  | Voltmeter(0 – 300) AC         | 2        |
| 27.  | Milliammeter DC (0 – 1)       | 6        |
| 28.  | Milliammeter DC (0 – 10)      | 5        |
| 29.  | Milliammeter DC (0 – 5)       | 3        |
| 30.  | Milliammeter DC (0 – 15)      | 3        |

|     |                           |    |
|-----|---------------------------|----|
| 31. | Milliammeter DC (0 – 50)  | 12 |
| 32. | Milliammeter DC (0 – 100) | 2  |
| 33. | Milliammeter AC (0 – 10)  | 5  |
| 34. | Milliammeter AC (0 – 100) | 2  |
| 35. | Milliammeter AC (0 – 10)  | 2  |
| 36. | Milliammeter AC (0 – 5)   | 3  |
| 37. | Milliammeter AC (0 – 100) | 4  |
| 38. | Milliammeter AC (0 – 500) | 6  |

#### Computer:

| S.No | Name of Apparatus                   | Quantity |
|------|-------------------------------------|----------|
| 1    | Computer                            | 10       |
| 2    | printer                             | 3        |
| 3    | UPS                                 | 1        |
| 4    | Laptop                              | 1        |
| 5    | Projector                           | 1        |
| 5    | Projection screen                   | 1        |
| 6    | Celling mount kit &VGA cable        | 1 set    |
| 7    | Pagepro 1580MF (printer with zerox) | 1        |

#### Star Apparatus List

| S.No. | Name of Apparatus                   | Quantity |
|-------|-------------------------------------|----------|
| 1     | Dielectric Instruments              | 1        |
| 2     | Hot Air Oven                        | 1        |
| 3     | Rectangular Muffle Furnace          | 1        |
| 4     | Digital Electronic Balance          | 3        |
| 5     | Constant Temperature Bath           | 1        |
| 6     | 8085 Microprocessor                 | 5        |
| 7     | Solar Cell Trainer Kit              | 2        |
| 8     | Ultrasonic Interferometer           | 2        |
| 9     | Forbe's Apparatus                   | 3        |
| 10    | Grating He-Ne Laser                 | 1        |
| 11    | Lycopodium powder glass diode laser | 1        |
| 12    | Fiber Optic Bench                   | 1        |
| 13    | Digital pH meter                    | 1        |

### Department of PG Physics (SSC)

| S.No. | Name of the Equipment                            | Quantity |
|-------|--------------------------------------------------|----------|
| 1     | Quincke's Apparatus set                          | 1        |
| 2     | Fibre Optic Trainer                              | 2        |
| 3     | Co-ordinate Measuring Microscope                 | 1        |
| 4     | Accessories for co-ordinate measuring microscope | 1        |
| 5     | Sodium vapour lamp box                           | 2        |
| 6     | Sodium vapour lamp transformer                   | 2        |
| 7     | Spectrometer                                     | 8        |
| 8     | Travelling Microscope                            | 6        |
| 9     | Hydrogen lamp set                                | 1        |
| 10    | He-Ne Laser                                      | 2        |
| 11    | Optical bench                                    | 1        |
| 12    | Mount for He-Ne Laser                            | 1        |
| 13    | Head Phone                                       | 2        |
| 14    | Audio Frequency Oscillator                       | 6        |
| 15    | Mutual Inductance coil                           | 4        |
| 16    | Resistance box                                   | 4        |
| 17    | Multimeter                                       | 12       |
| 18    | LED Power Supply                                 | 3        |
| 19    | DC Power Supply                                  | 10       |
| 20    | IC Regulated Power Supply                        | 5        |
| 21    | CRO                                              | 7        |
| 22    | Ammeter (0-100 mA)                               | 6        |
| 23    | Microammeter (0-50)                              | 6        |
| 24    | Microvoltmeter                                   | 6        |
| 25    | Rheostat                                         | 12       |
| 26    | Dual Power Supply 12v                            | 7        |
| 27    | Resistance box                                   | 5        |
| 28    | BG                                               | 5        |
| 29    | Wooden stand for quincke's                       | 1        |
| 30    | Meter Scale                                      | 1        |
| 31    | Rubber Cork                                      | 1        |
| 32    | Condensor Box                                    | 3        |
| 33    | Power supply 5v                                  | 8        |
| 34    | Charge Discharge Key                             | 3        |
| 37    | Commutator Switch                                | 3        |
| 38    | Variable Power Supply                            | 4        |
| 39    | Spatulla                                         | 2        |
| 40    | Hall Effect apparatus                            | 1        |
| 41    | Band Gap Measurement Kit                         | 1        |

|    |                                 |    |
|----|---------------------------------|----|
| 42 | Two Probe Set                   | 1  |
| 43 | Slotted Weights                 | 2  |
| 44 | BH Curve Set Up                 | 1  |
| 45 | Four Probe Set                  | 1  |
| 46 | Dielectric Constant Kit         | 1  |
| 47 | Diode Laser Source              | 1  |
| 48 | Screw Guage                     | 10 |
| 49 | Vernier Caliper                 | 10 |
| 50 | Sodium Vapour Lamp Set          | 4  |
| 51 | Lens Stand                      | 5  |
| 52 | Light Source with wire Guage    | 5  |
| 53 | Microprocessor Trainer          | 3  |
| 54 | ADC Interface                   | 1  |
| 55 | Stepper Motor                   | 3  |
| 56 | DAC interface module            | 1  |
| 57 | Timer/Counter interface Module  | 1  |
| 58 | Dc Power Supply 30V             | 11 |
| 59 | CRO Probe                       | 4  |
| 60 | DC Microammeter (0-500 $\mu$ A) | 3  |
| 61 | Digital Weighing Machine        | 1  |
| 62 | Scale ( for reading Telescope)  | 2  |
| 63 | Universal Bread Board System    | 3  |
| 64 | Microprocessor 8085             | 7  |
| 65 | Microprocessor 8081             | 1  |
| 66 | Trafic Light Interface          | 1  |
| 67 | Magnetic Stirrer W/O Hot Plate  | 1  |
| 68 | Magnetic Stirrer With Hot Plate | 1  |
| 69 | Magnetic Pellets                | 2  |
| 70 | Reading Telescope With Scale    | 2  |
| 71 | Digital Stop Watch              | 4  |
| 72 | Air Wedge Apparatus             | 2  |
| 73 | Potentiometer                   | 4  |
| 74 | IC Logic Trainer                | 11 |
| 75 | Battery Eliminator              | 6  |
| 76 | Sherical Calorimeter            | 6  |
| 77 | Function Generator              | 4  |
| 78 | Spirit Level                    | 1  |
| 79 | Voltmeter (0-5 V)               | 2  |
| 80 | Voltmeter (0-10 V)              | 2  |
| 81 | Milliammeter (0-10 mA)          | 2  |
| 82 | Milliammeter (0-50 mA)          | 1  |
| 83 | Ultrasonic Interferometer       | 1  |



|     |                                      |       |
|-----|--------------------------------------|-------|
| 84  | Fet amplifier Kit                    | 2     |
| 85  | Capacitance Box                      | 3     |
| 86  | Dual Power Supply (+9,-9 V)          | 2     |
| 87  | AC Voltmeter (0-5 V)                 | 2     |
| 88  | AC Voltmeter (0-10 V)                | 2     |
| 89  | DC Power Supply (15 V, 1 amp)        | 1     |
| 90  | Desktop Computer                     | 3     |
| 91  | Printer                              | 1     |
| 92  | Microcontroller Trainer Kit          | 1     |
| 93  | RS 232 Cable                         | 1     |
| 94  | ADC & DAC Measurement Control Module | 1     |
| 95  | Sodium Vapour Lamp                   | 6     |
| 96  | Diffraction Grating                  | 9     |
| 97  | EDF Prism                            | 2     |
| 98  | Optically plane glass plate          | 5     |
| 99  | Plano Convex Lens                    | 5     |
| 100 | Beaker 1000 ml                       | 6     |
| 101 | Beaker 250 ml                        | 1     |
| 102 | Potassium Dichromate 500gm           | 3     |
| 103 | Thin Wires                           | 5mtrs |
| 104 | Screen                               | 3     |
| 105 | Bottle Relative Density 50ml         | 1     |
| 106 | Glass Tank                           | 1     |
| 107 | Dropper                              | 1     |
| 108 | Toluene                              | 1     |
| 109 | Twine                                | 2     |
| 110 | Hollow Prism                         | 6     |
| 111 | Mercury Vapour Lamp                  | 1     |
| 112 | Funnel Glass                         | 1     |
| 113 | Glass rod                            | 2     |
| 114 | Distilled Water 5 litres             | 1     |
| 115 | Double Convex Lens                   | 2     |
| 116 | Thermometer                          | 8     |
| 117 | Spectrometer Prism Flint Glass       | 6     |
| 118 | Acetone (500 ml)                     | 2     |
| 119 | Particle Deposited Slide             | 1     |
| 120 | Fresnel Bi-Prism                     | 1     |
| 121 | Specific gravity Bottle              | 2     |
| 122 | Quinke's Tube                        | 2     |
| 123 | S.M.F 500 ml                         | 3     |
| 124 | S.M.F 100 ml                         | 2     |

|     |                              |    |
|-----|------------------------------|----|
| 125 | Filter papert Sheet Ordinary | 10 |
| 126 | Hydrogen Lamp bulb           | 2  |

### Department of Chemistry

| S.No. | Name of the Equipment                  | Quantity |
|-------|----------------------------------------|----------|
| 1.    | Suction Pump                           | 2        |
| 2.    | Laptop                                 | 1        |
| 3.    | LCD projector and OHP                  | 1        |
| 4.    | Bunsen Burner with stop cock           | 15       |
| 5.    | Hot air oven                           | 1        |
| 6.    | Digital colorimeter                    | 1        |
| 7.    | Electronic Digital Balances            | 2        |
| 8.    | Potentiometers                         | 3        |
| 9.    | Digital Conductivity meter             | 3        |
| 10.   | Digital pH meter                       | 1        |
| 11.   | Interactive board, Projection screen   | 1        |
| 12.   | Refrigerator                           | 1        |
| 13.   | Konica Minolta Printer                 | 1        |
| 14.   | Water quality analyser , Model:172     | 1        |
| 15.   | Double beam UV-Vis                     | 1        |
| 16.   | Lenova Desktop                         | 1        |
| 17.   | Labmann Desktop Ice Maker              | 1        |
| 18.   | Technico Muffle Furnace                | 1        |
| 19.   | Technico Electrical Water bath         | 1        |
| 20.   | Colorimeter 3 digit display 8 filters  | 2        |
| 21.   | Potentiometer digital 4                | 1        |
| 22.   | Potentiometer with magnetic stirrer    | 1        |
| 23.   | Conductivity meter 3.5LED              | 2        |
| 24.   | All glass water still double auto cut- | 1        |
| 25.   | Digital Balance Cap. 300gms            | 2        |
| 26.   | Centrifuge machine 8 bucket 15ml       | 1        |
| 27.   | Hand centrifuge 4 tubes                | 3        |
| 28.   | Hot plate 10 x 12" S.S                 | 1        |
| 29.   | Water bath double wall with            | 1        |
| 30.   | pH meter manual 0 -14 pH 0 to          | 2        |
| 31.   | Printer "BROTHER"                      | 1        |
| 32.   | Acer Desktop                           | 1        |

|     |                                        |   |
|-----|----------------------------------------|---|
| 33. | MINILAB for soil analysis set          | 1 |
| 34. | UV -Vis Software, Computer and         | 1 |
| 35. | BOD Incubator "LabTech"                | 1 |
| 36. | COD Digester "Deep Vision"             | 1 |
| 37. | Flame photometer "Deep Vision -        | 1 |
| 38. | Hot Air Oven. "LabTech"                | 1 |
| 39. | Digital Colorimeter "Deep Vision-      | 2 |
| 40. | Conductivity Meter "Deep Vision-       | 2 |
| 41. | Soxhlet Apparatus "Deep Vision"        | 1 |
| 42. | pH METER "Deep Vision-III"             | 3 |
| 43. | Magnetic Stirrer with hot plate        | 2 |
| 44. | Magnetic Stirrer with Potentiometer    | 2 |
| 45. | UV- Fluorescent Cabinet "Deep          | 1 |
| 46. | TLC Apparatus                          | 1 |
| 47. | Micropipettes "Microlit"               | 2 |
| 48. | Melting point apparatus "Deep          | 1 |
| 49. | Water bath circulator "Superfit"       | 1 |
| 50. | Ultra Sonicator Bath                   | 1 |
| 51. | Cooling centrifuge                     | 1 |
| 52. | Semi autoanalyser                      | 1 |
| 53. | Vacuum pump 200 lit                    | 1 |
| 54. | Digital Conductivity meter Deep        | 4 |
| 55. | Precision Balance Wnesar Make          | 1 |
| 56. | Digital Potentiometer 'EI' make        | 1 |
| 57. | Digital Potentiometer Deep Vision Make | 3 |

#### Department of PG Chemistry (SSC)

| S. No. | Name of the Equipment            | Quantity |
|--------|----------------------------------|----------|
| 1      | Chemical Balance 220g Cap.       | 1        |
| 2      | Digital Balance 600g Cap.        | 1        |
| 3      | Lab. Centrifuge                  | 1        |
| 4      | Suction pump                     | 1        |
| 5      | pH meter                         | 1        |
| 6      | Conductivity meter               | 7        |
| 7      | Electronic Digital Potentiometer | 7        |
| 8      | Mechanical Shaker                | 1        |
| 9      | Water Distillation Plant         | 1        |

|    |                                 |   |
|----|---------------------------------|---|
| 10 | Water bath                      | 1 |
| 11 | Hot plate                       | 1 |
| 12 | Muffle furnace                  | 1 |
| 13 | Hot air oven                    | 1 |
| 14 | Magnetic stirrer with Hot plate | 1 |
| 15 | Refrigerator                    | 1 |
| 16 | Ultrasonicator Cleaner          | 1 |

### Department of Computer Science

#### System Details:Desktop

| S.No | Name of the Equipment         | Quantity |
|------|-------------------------------|----------|
| 1    | Intel® Xeon®-Acer             | 01       |
| 2    | Intel® Pentium®-LG            | 3        |
| 3    | Pentium® Dual Core Acer       | 5        |
| 4    | Pentium® Dual core-HCL        | 02       |
| 5    | Intel® Core™2 Duo Acer        | 04       |
| 6.   | Pentium® Dual Core            | 01       |
| 7    | Intel® Core™2 Duo Acer-Staff1 | 01       |
| 8    | Intel® Core™i3 Acer-Staff2    | 01       |
| 9    | Intel® Xeon-Hp                | 01       |
| 10   | Core i5                       | 10       |
| 11   | Core i5                       | 10       |
| 12   | Core i5                       | 05       |
| 13   | Core i5                       | 04       |
| 14   | Core i5                       | 05       |

#### Laptop:

| S.No | Name of the Equipment    | Quantity |
|------|--------------------------|----------|
| 1    | Acer-Intel®Core™ i3      | 01       |
| 2    | Asus-TouchIntel®Core™ i3 | 01       |

#### Ups:

| S.No. | Name of the Equipment | Kilo Volt X Amps (KVA) |
|-------|-----------------------|------------------------|
| 1     | APC                   | 1.500                  |
| 2     | Online UPS APC        | 6                      |
| 3     | Online UPS APC        | 6                      |



### Projector & IQ Board

| S.No. | Name of the Equipment             | Quantity |
|-------|-----------------------------------|----------|
| 1     | Infocus& White Screen (Suvira)    | 1        |
| 2     | BenQ MS502P White Screen (Suvira) | 1        |
| 3     | Epson & White Screen (Liberty)    | 1        |

### Other Items

| S.No. | Name of the Equipment | Quantity |
|-------|-----------------------|----------|
| 1.    | Generator 40KVA       | 1        |
| 2.    | Split A/C             | 2        |
| 3.    | 2 Ton Split A/C (LG)  | 3        |
| 4.    | Fan                   | 14       |
| 5.    | Brother MFC 5600DN    | 1        |
| 6.    | HP LaserJet P1505n    | 1        |
| 7.    | HP Scanjet G2410      | 1        |
| 8.    | Keyboard (Logitech)   | 5        |
| 9.    | Microprocessor kits   | 21       |
| 10.   | Vacuum Cleaner        | 1        |

### Department of Botany

#### Minor equipment

| S.No. | Name of the Equipment              | Quantity |
|-------|------------------------------------|----------|
| 1.    | Chemical Balance                   | 6        |
| 2.    | Compound Microscope                | 65       |
| 3.    | Samsung Refrigerator               | 3        |
| 4.    | Laminar air flow chamber           | 2        |
| 5.    | Deep freezer                       | 1        |
| 6.    | Muffle furnace                     | 1        |
| 7.    | pH/ Temperature Bench meter        | 3        |
| 8.    | Digital Colony Counter             | 2        |
| 9.    | Photocolorimeter                   | 6        |
| 10.   | Leaf scanner cum printer           | 1        |
| 11.   | Multiparameter Water quality       | 1        |
| 12.   | Micro oven                         | 2        |
| 13.   | Gippon- Geitner” KF 4A, Medical    | 1        |
| 14.   | Seed Germinator                    | 1        |
| 15.   | Flame Photometer                   | 1        |
| 16.   | Trinocular Microscope, Camera with | 1        |
| 17.   | Soxhlet Apparatus                  | 2        |
| 18.   | Rotary Vacuum Evaporator           | 1        |

|     |                                |    |
|-----|--------------------------------|----|
| 19. | High Speed Centrifuge          | 5  |
| 20. | Binocular Microscope           | 4  |
| 21. | Tissue Culture Hood            | 1  |
| 22. | Incubator                      | 2  |
| 23. | Flat Bed Scanner               | 1  |
| 24. | Herbarium Cabinet              | 4  |
| 25. | Water bath                     | 2  |
| 26. | Plankton net                   | 1  |
| 27. | Aerator                        | 3  |
| 28. | Portable Gas sampler           | 1  |
| 29. | Muffle Furnace                 | 1  |
| 30. | Oil Press Machine              | 1  |
| 31. | Steam Distillation             | 1  |
| 32. | Cellulose nitrate filtrate     | 1  |
| 33. | Florurimeter                   | 1  |
| 34. | Suction Pump                   | 1  |
| 35. | Multipurpose Extractor (Mixie) | 1  |
| 36. | Leaf Area meter                | 1  |
| 37. | Magnetic Stirrer               | 2  |
| 38. | GPS System                     | 1  |
| 39. | Computer System                | 15 |
| 40. | Refrigerated circulator        | 1  |
| 41. | Hot plate                      | 2  |
| 42. | Shaker                         | 2  |
| 43. | Permanent slide cabinet        | 3  |
| 44. | Microtome                      | 2  |

#### Major equipment

| S.No. | Name of the Equipment        | Quantity |
|-------|------------------------------|----------|
| 1.    | FTIR Spectrometer            | 1        |
| 2.    | Ultra Centrifuge             | 3        |
| 3.    | Atomic Absorption            | 1        |
| 4.    | Atomic Absorption            | 5        |
| 5.    | PCR                          | 1        |
| 6.    | Electrophoresis unit         | 6        |
| 7.    | Gel Doc                      | 1        |
| 8.    | UV Visible Spectrophotometer | 1        |
| 9.    | Spectrophotometer            | 4        |

#### Department of Zoology

| S. No. | Name of the Equipment       | Quantity |
|--------|-----------------------------|----------|
| 1      | Computer Systems, UPS       | 12       |
| 2      | Virtual Dissection Software |          |

|    |                                                |    |
|----|------------------------------------------------|----|
| 3  | Image Analysis Software with - Computer System | 1  |
| 4  | Microscopic HD Camera                          | 1  |
| 5  | Spectrophotometer                              | 3  |
| 6  | Smart Board                                    | 1  |
| 7  | BOD Analyzer                                   | 1  |
| 8  | Digital Sphygmomanometer                       | 1  |
| 9  | Sphygmomanometer                               | 1  |
| 10 | Dissection Microscope                          | 37 |
| 11 | Compound Microscope                            | 66 |
| 12 | Student Microscope                             | 2  |
| 13 | Binocular Microscope                           | 1  |
| 14 | Column Chromatography                          | 1  |
| 15 | Deep freezer                                   | 1  |
| 16 | Hot plate                                      | 1  |
| 17 | Urine Analyzer                                 | 1  |
| 18 | Ocular and Stage Micrometer                    | 3  |
| 19 | Soxhlet extraction apparatus                   | 1  |
| 20 | Water bath                                     | 1  |
| 21 | Digital weighing machine                       | 1  |
| 22 | Electronic Balance                             | 1  |
| 23 | Rough balance                                  | 1  |
| 24 | Colony Counter – 4 digit                       | 2  |
| 25 | Refractometer – hand held                      | 3  |
| 26 | Muffle furnace                                 | 1  |
| 27 | Phase contrast microscope                      | 1  |
| 28 | Plankton Net (Regular Model)                   | 1  |
| 29 | Egg Incubator                                  | 2  |
| 30 | Gel Electrophoresis Unit with Power Pack       | 1  |
| 31 | Trinocular Microscope                          | 1  |
| 32 | PCR                                            | 1  |
| 33 | Incubator                                      | 1  |
| 34 | UV Transilluminator                            | 1  |
| 35 | Digital Thermometer                            | 2  |
| 36 | Digital Glucometer                             | 2  |
| 37 | Hemocytometer                                  | 4  |
| 38 | Haemometer                                     | 2  |
| 39 | Digital Orbital Shaker                         | 1  |
| 40 | Hot Air Oven                                   | 2  |
| 41 | Double distilled water unit                    | 1  |
| 42 | Microtome                                      | 1  |
| 43 | pH meter                                       | 2  |

|    |                                 |   |
|----|---------------------------------|---|
| 44 | Horizontal Laminar Flow Chamber | 1 |
| 45 | Rotary Vacuum Evaporator        | 1 |
| 46 | Colorimeter                     | 2 |
| 47 | Centrifuge                      | 1 |
| 48 | High speed centrifuge           | 1 |
| 49 | Autoclave                       | 1 |
| 50 | Incubator with Shaker           | 1 |

### **Department of Microbiology**

| S.No. | Name of the Equipment       | Quantity |
|-------|-----------------------------|----------|
| 1.    | Soxhlet apparatus           | 1        |
| 2.    | Spectroscopy                | 1        |
| 3.    | Centrifuge                  | 1        |
| 4.    | Microscope                  |          |
| 5.    | Incubator                   | 1        |
| 6.    | Weighing Balance            | 1        |
| 7.    | Butyrometer                 | 1        |
| 8.    | Lactometer                  |          |
| 9.    | Agarose Gel Electrophoresis | 1        |
| 10.   | ESR stand                   | 2        |
| 11.   | Neubauer Chamber            | 1        |
| 12.   | Colony counter              | 1        |
| 13.   | Fridge                      | 2        |
| 14.   | Cooker                      | 2        |
| 15.   | Gas Stove                   | 1        |
| 16.   | Burette Stand               | 2        |

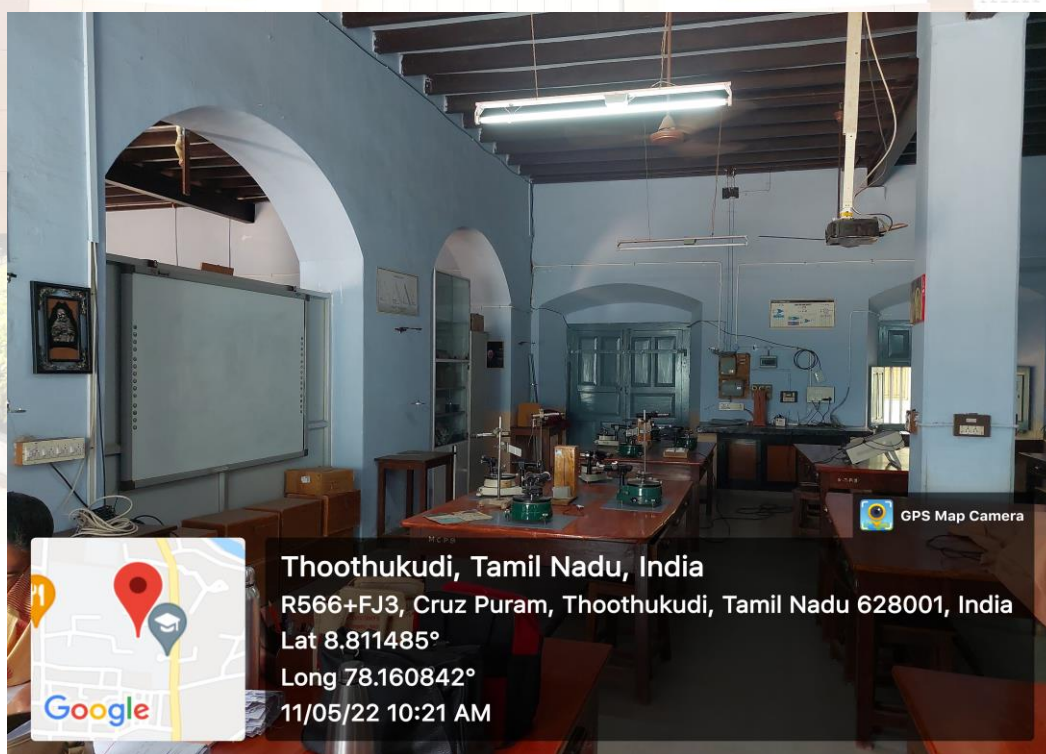
### **Department of Psychology**

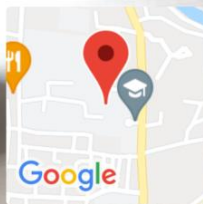
| S. No | Name of the Equipment                                | Quantity |
|-------|------------------------------------------------------|----------|
| 1.    | Bhatia's battery of performance test of Intelligence | 1        |
| 2.    | Stroop Effect Test                                   | 1        |
| 3.    | Signal Detection Cards                               | 1        |
| 4.    | List of words for Massed Vs Spaced Learning          | 1        |
| 5.    | Paired Associate Learning with cards                 | 1        |
| 6.    | List of words for cueing on recall                   | 1        |
| 7.    | Chunking on recall cards                             | 1        |
| 8.    | List of words for meaning on retention               | 1        |



|     |                                              |   |
|-----|----------------------------------------------|---|
| 9.  | Concept formation                            | 1 |
| 10. | Electrical Yerke's Multiple choice apparatus | 1 |
| 11. | Span of Attention board                      | 1 |
| 12. | Electrical division of attention box         | 1 |
| 13. | Time perception box                          | 1 |
| 14. | Muller Lyer board                            | 1 |
| 15. | Size Weight Illusion                         | 1 |
| 16. | Colour Preference                            | 1 |
| 17. | Galton Bar with Stand for DL Length          | 1 |
| 18. | Weber's Weight Box                           | 1 |
| 19. | Habit Interference Board                     | 1 |
| 20. | Bilateral Transfer of Learnings              | 1 |
| 21. | Condition Reflex Apparatus                   | 1 |

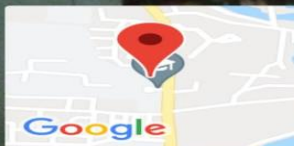
### ➤ Laboratory Ambience





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 Long 78.160798°  
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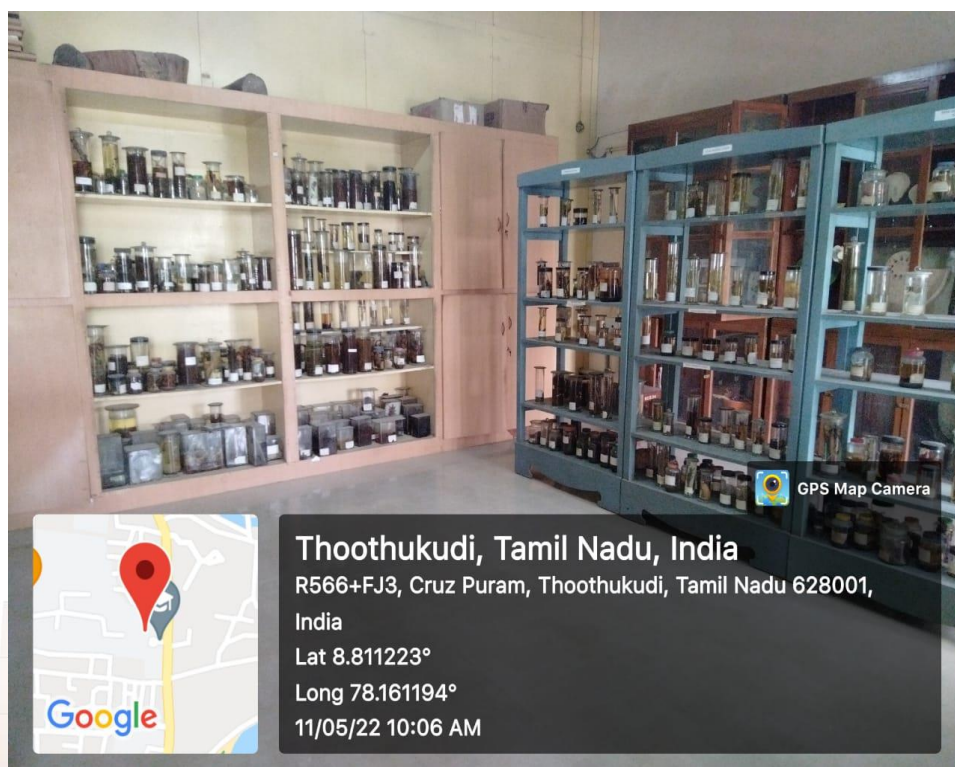
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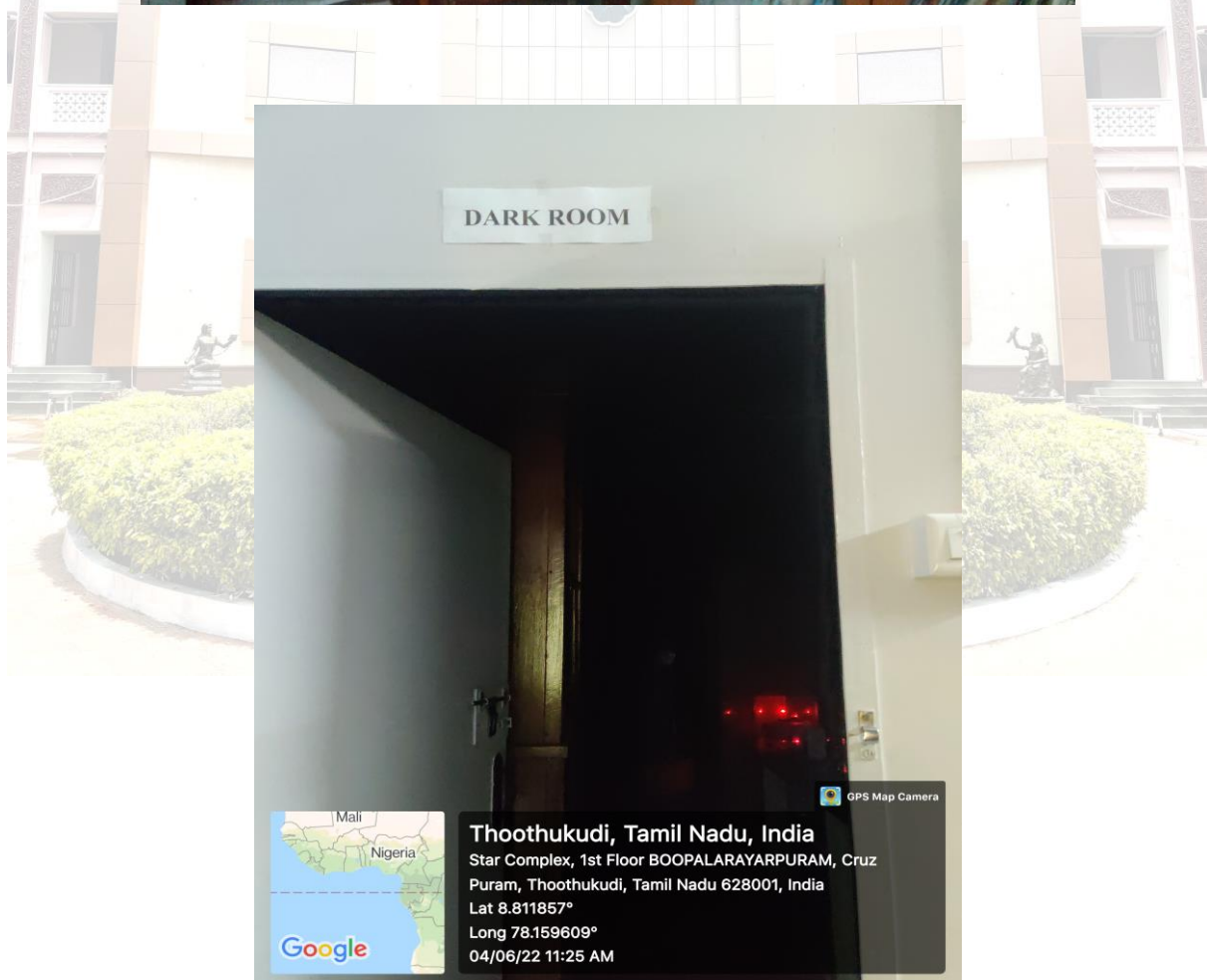
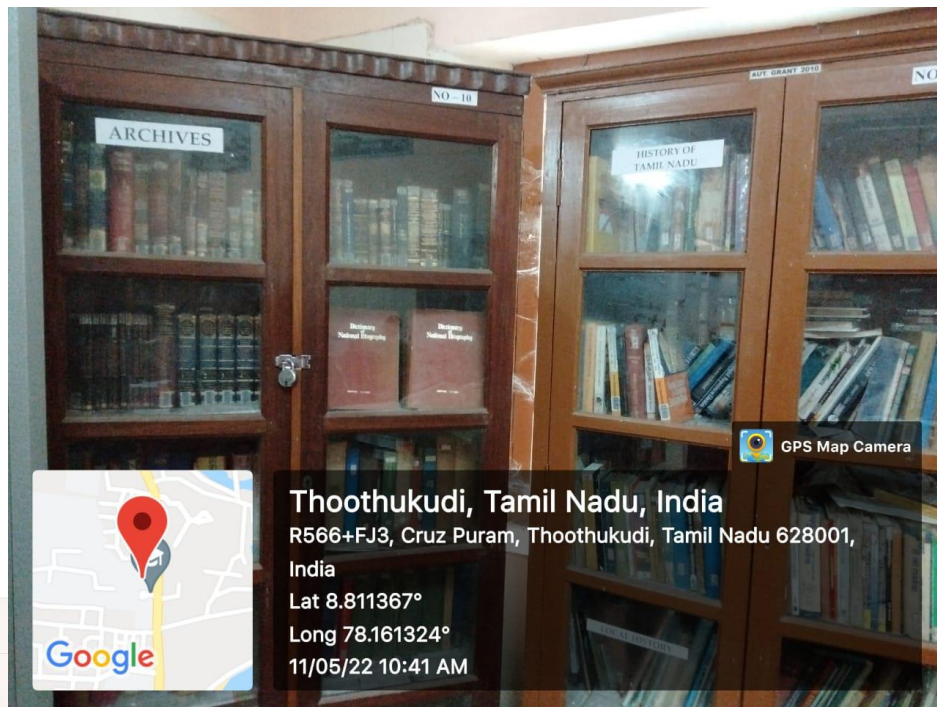


**Thoothukudi, Tamil Nadu, India**  
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 Long 78.16137°  
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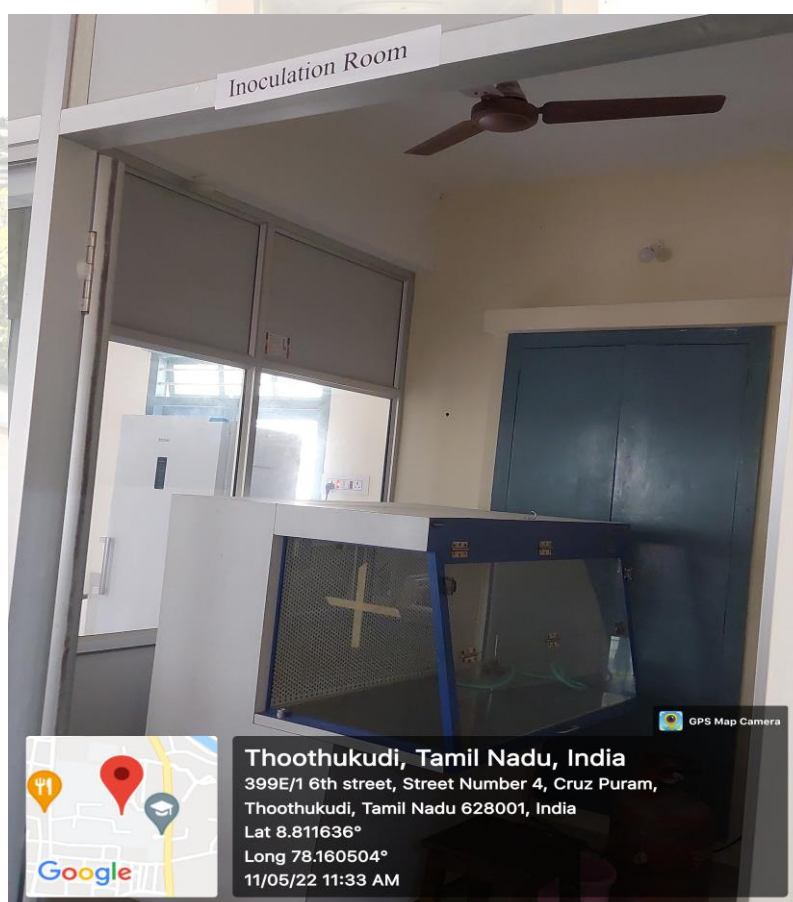
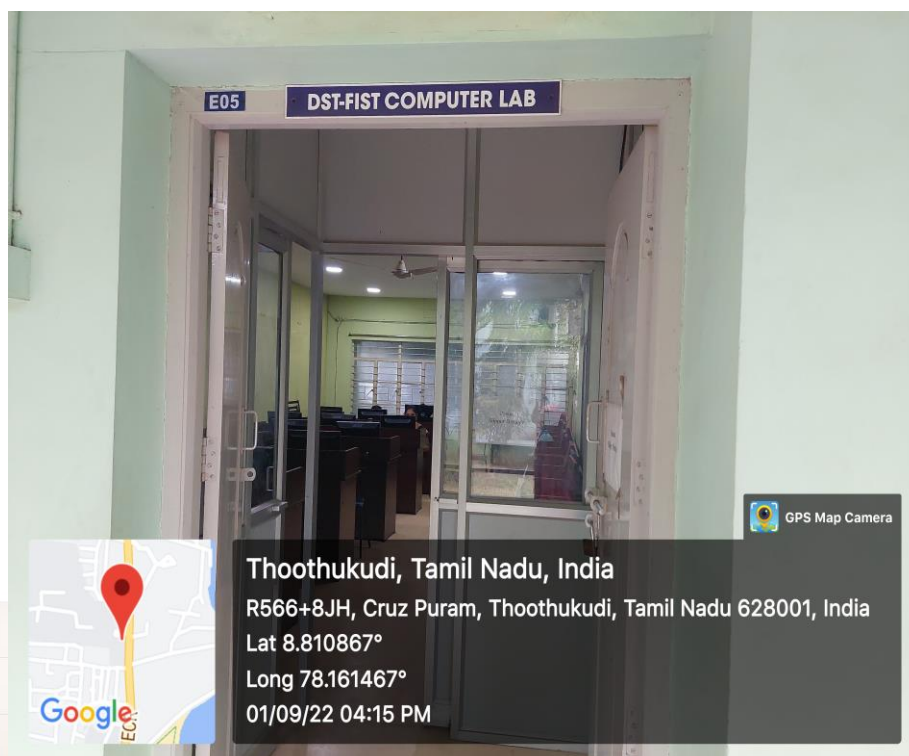
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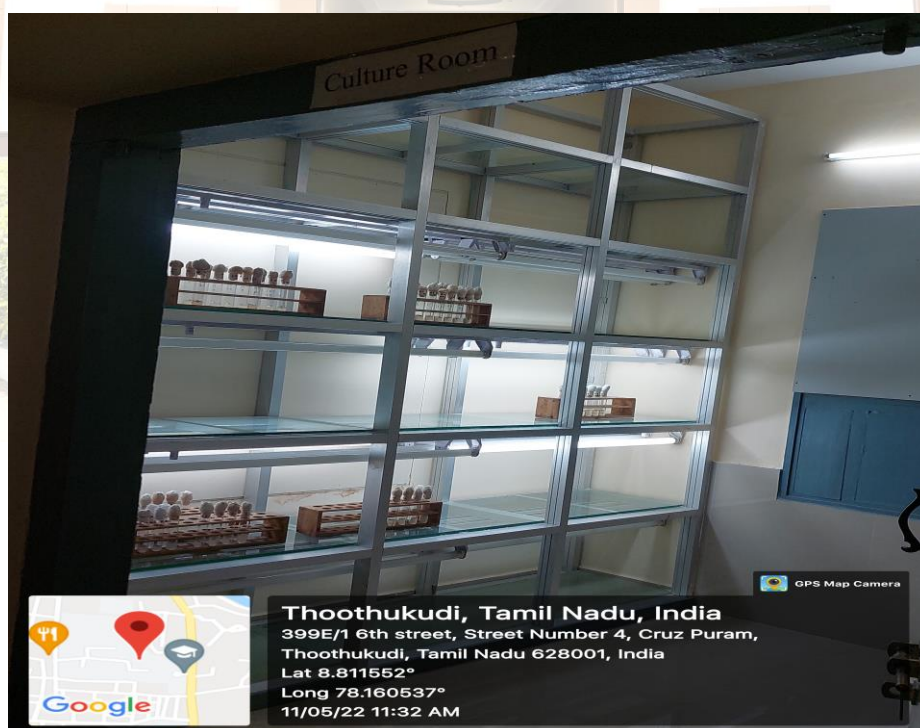
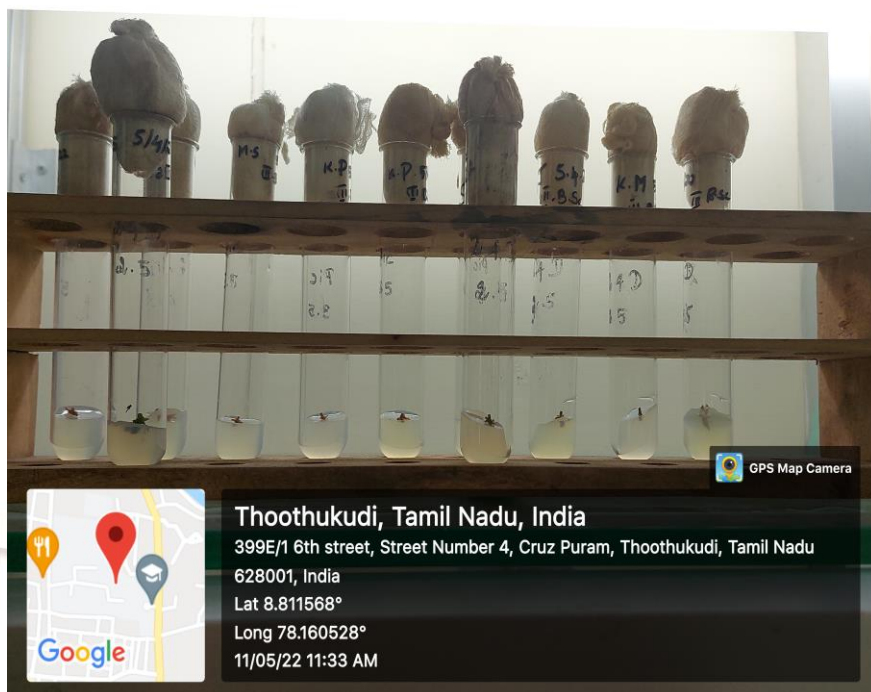




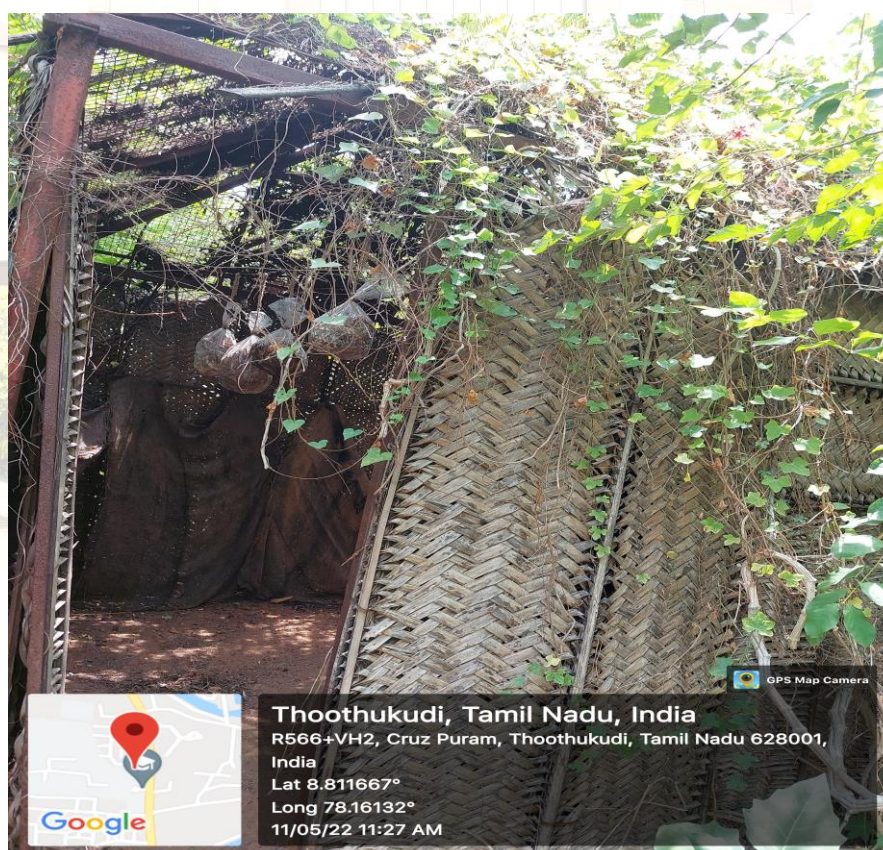
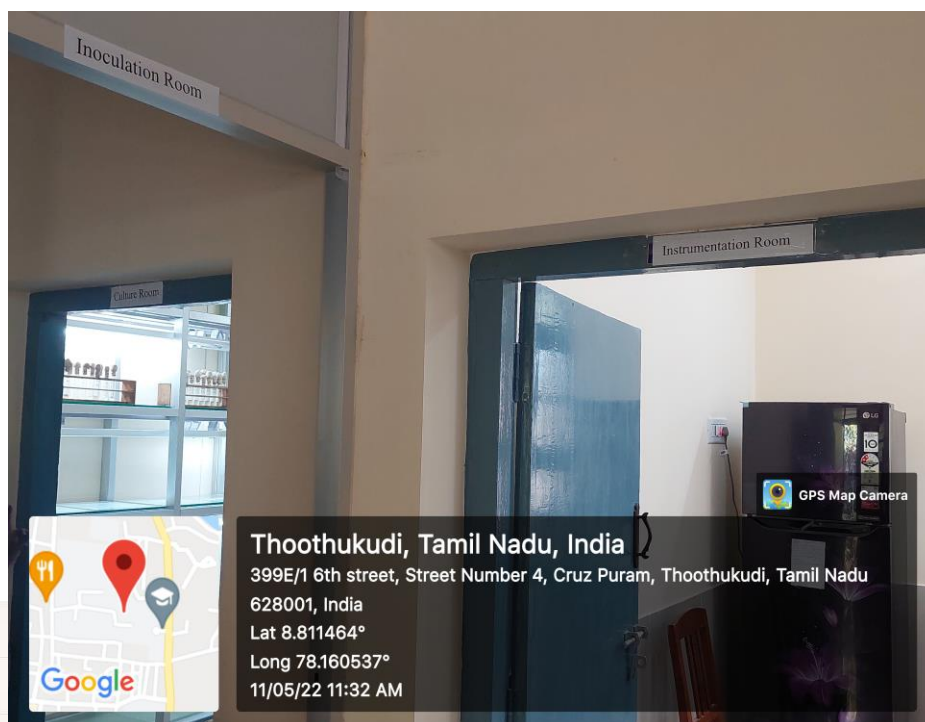




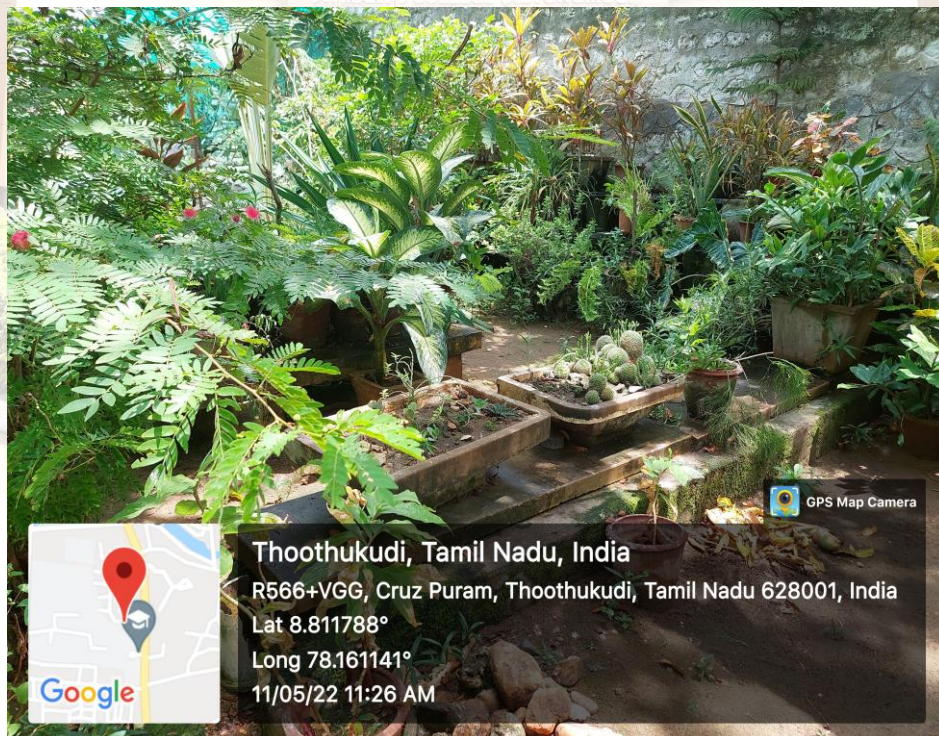
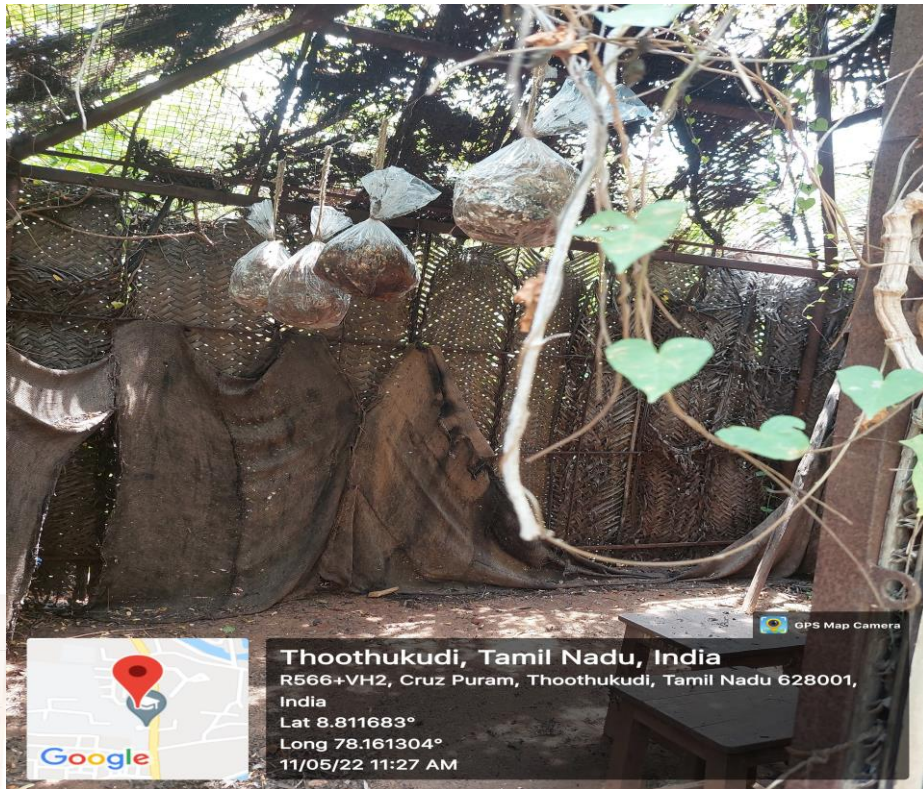




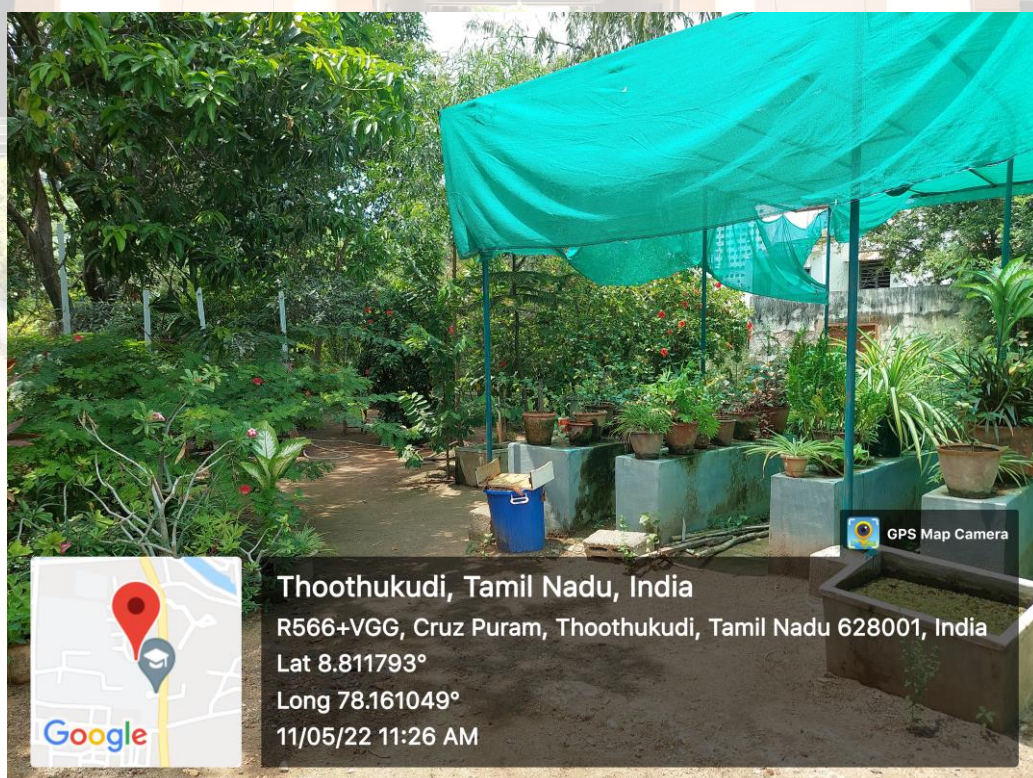




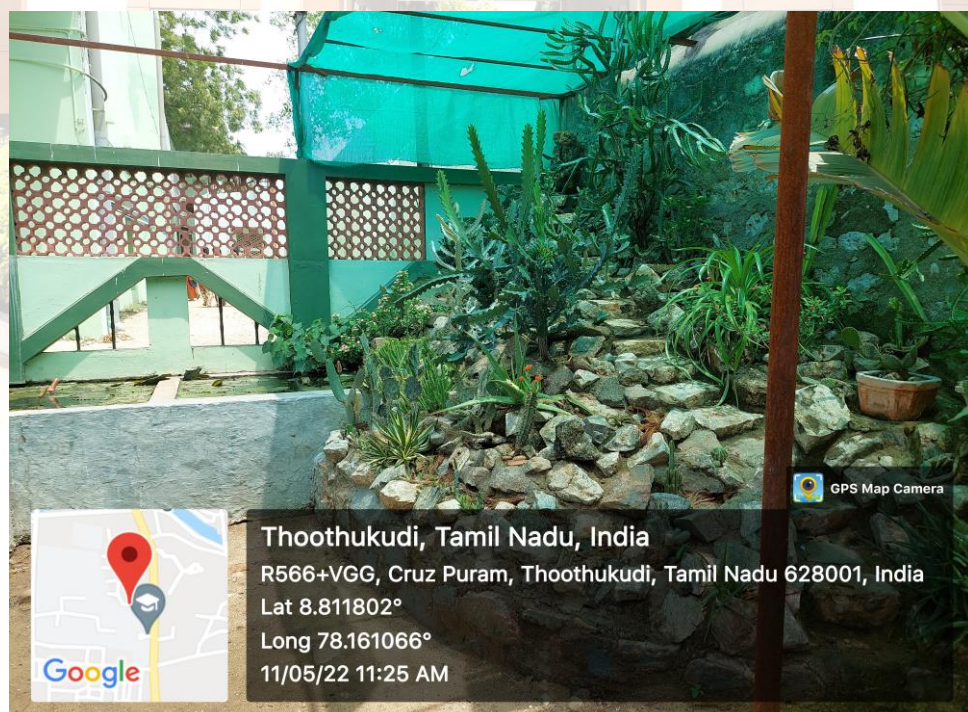
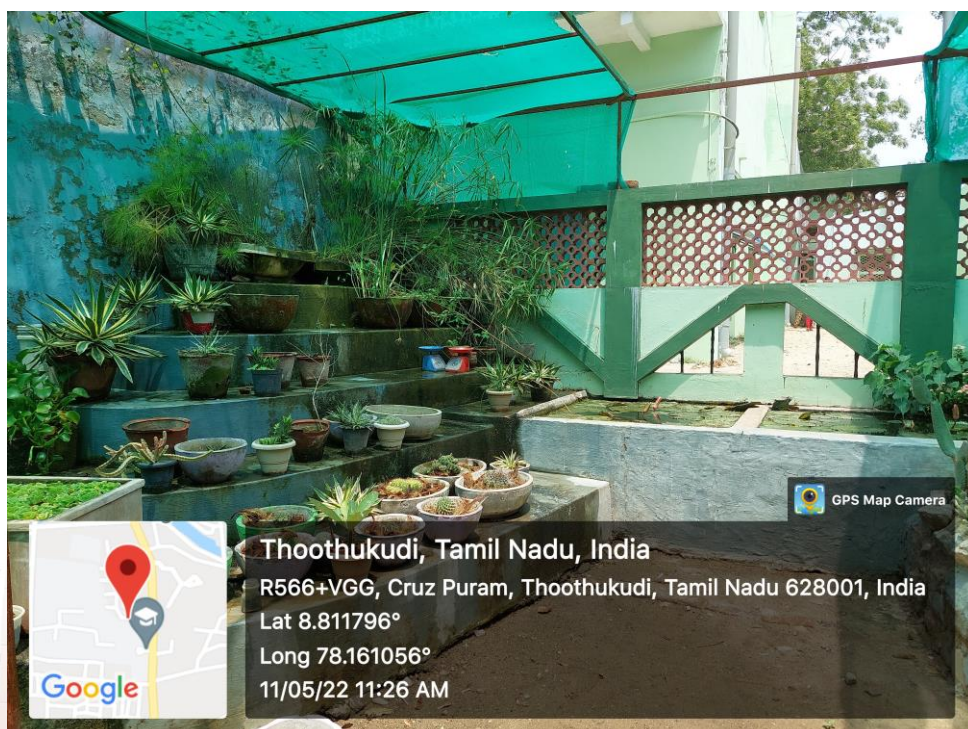




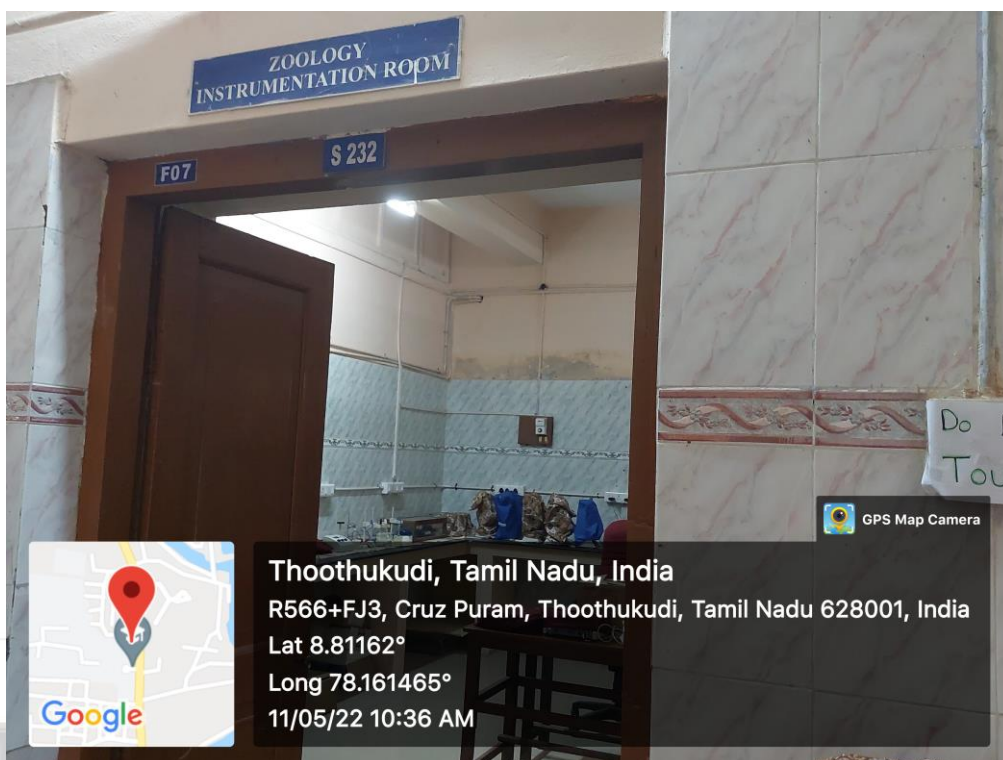


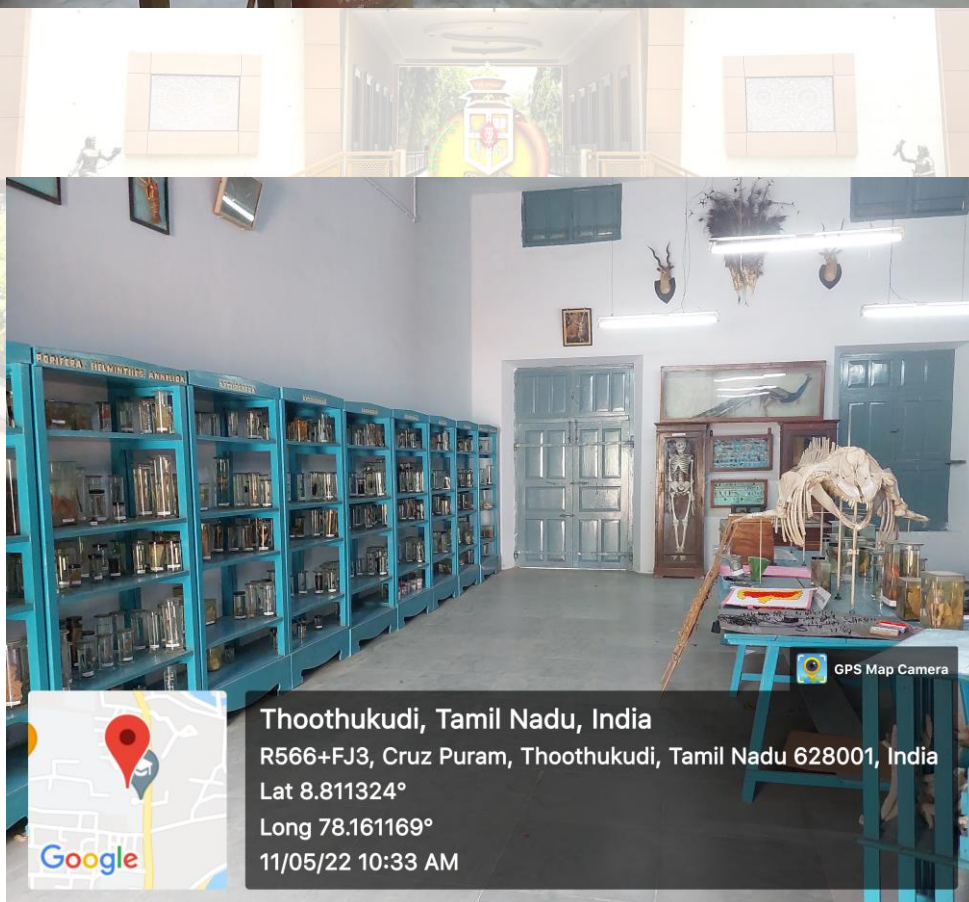
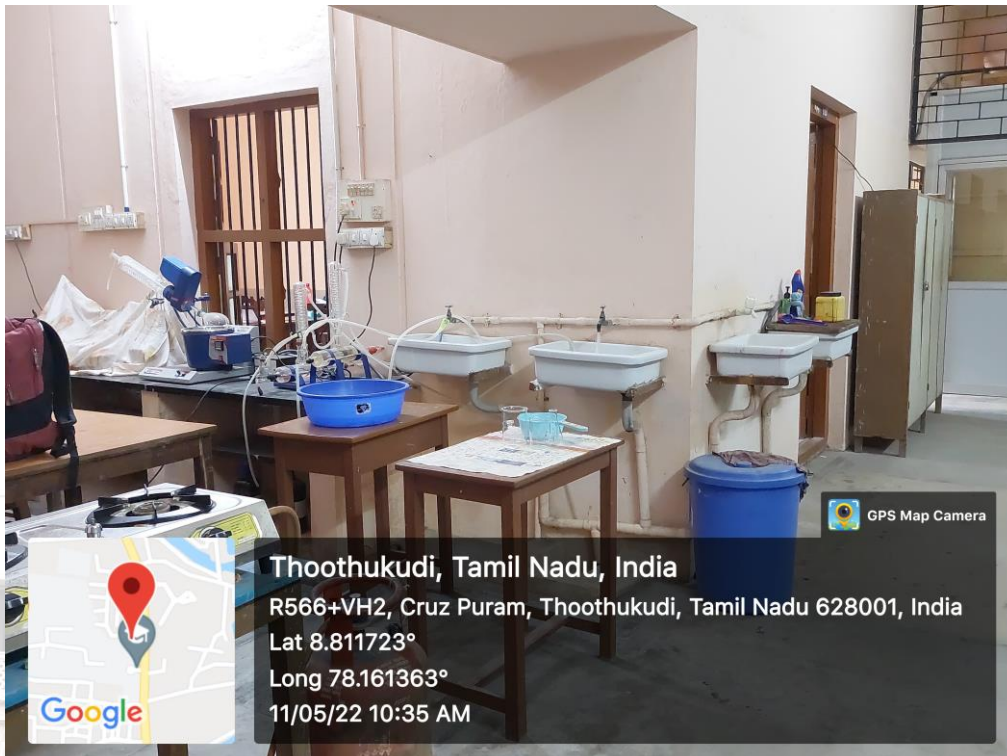




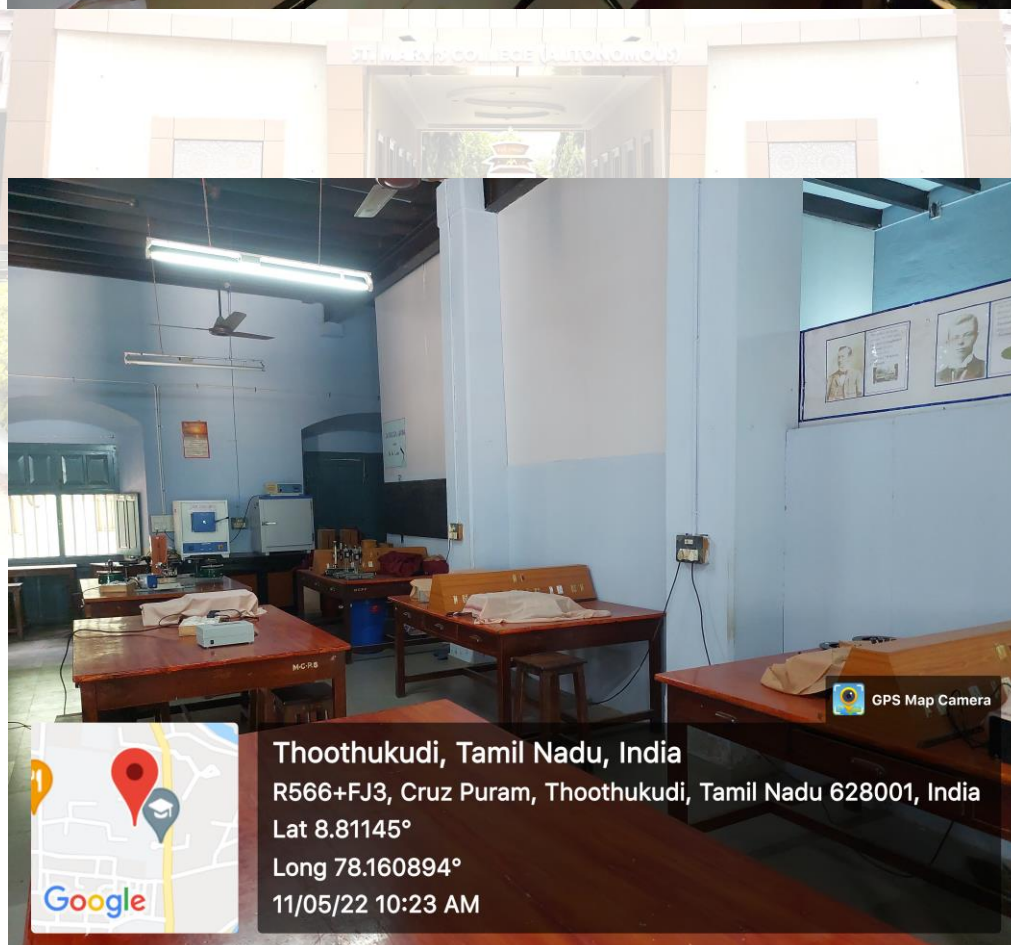
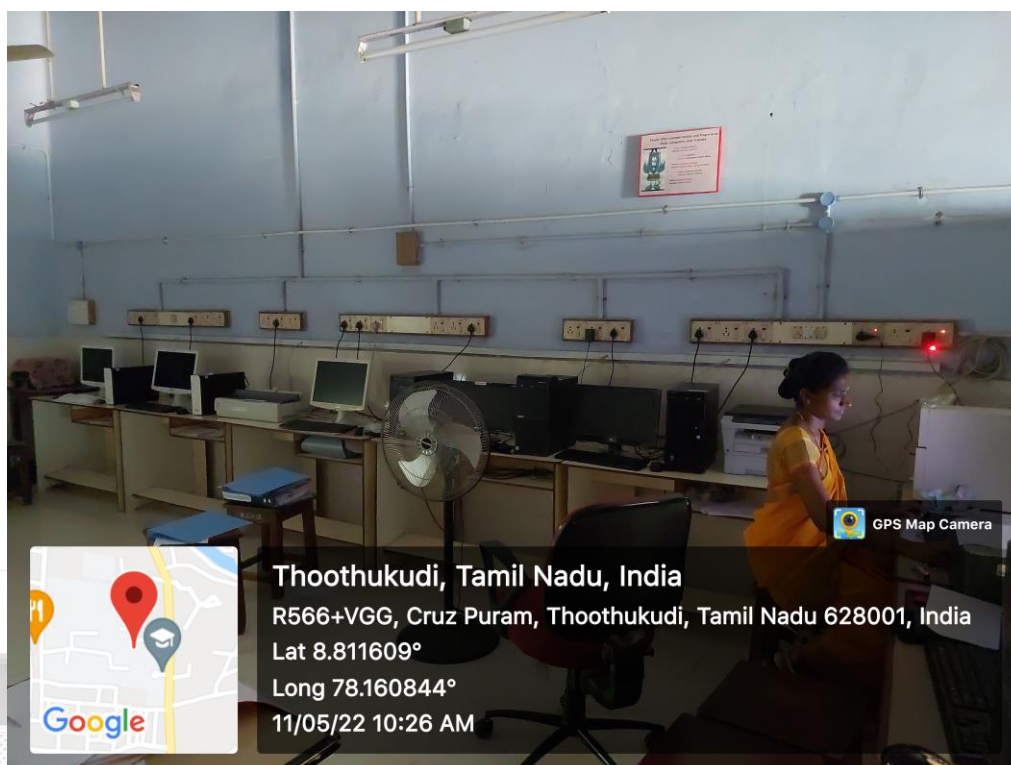


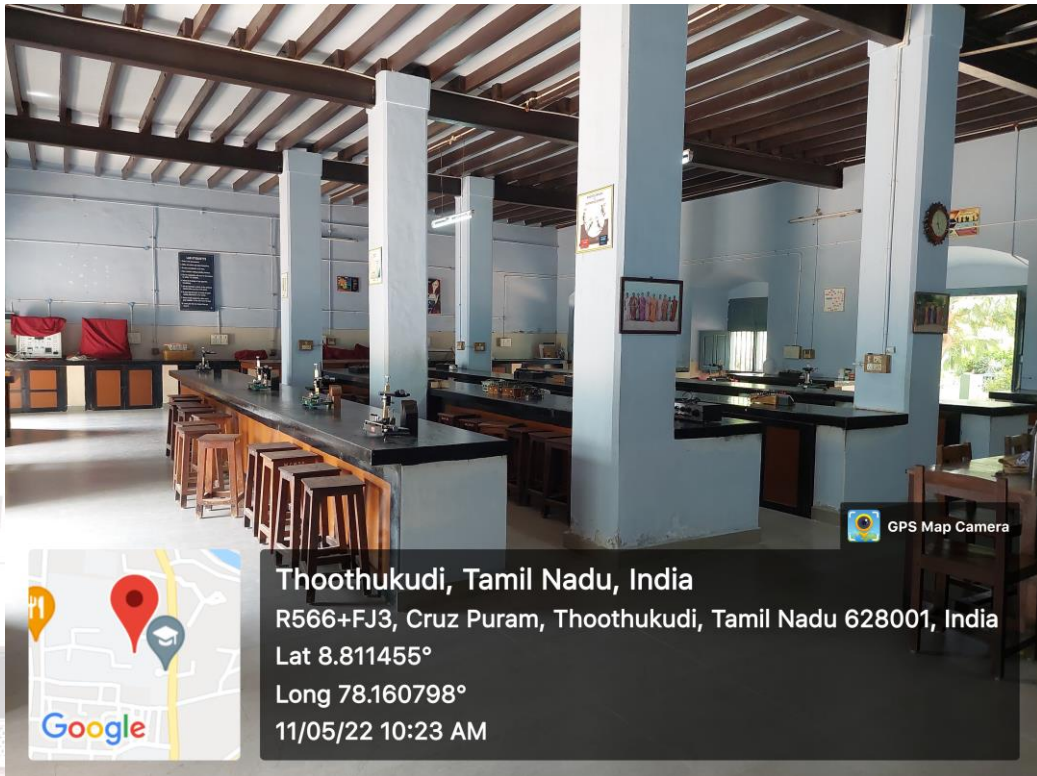




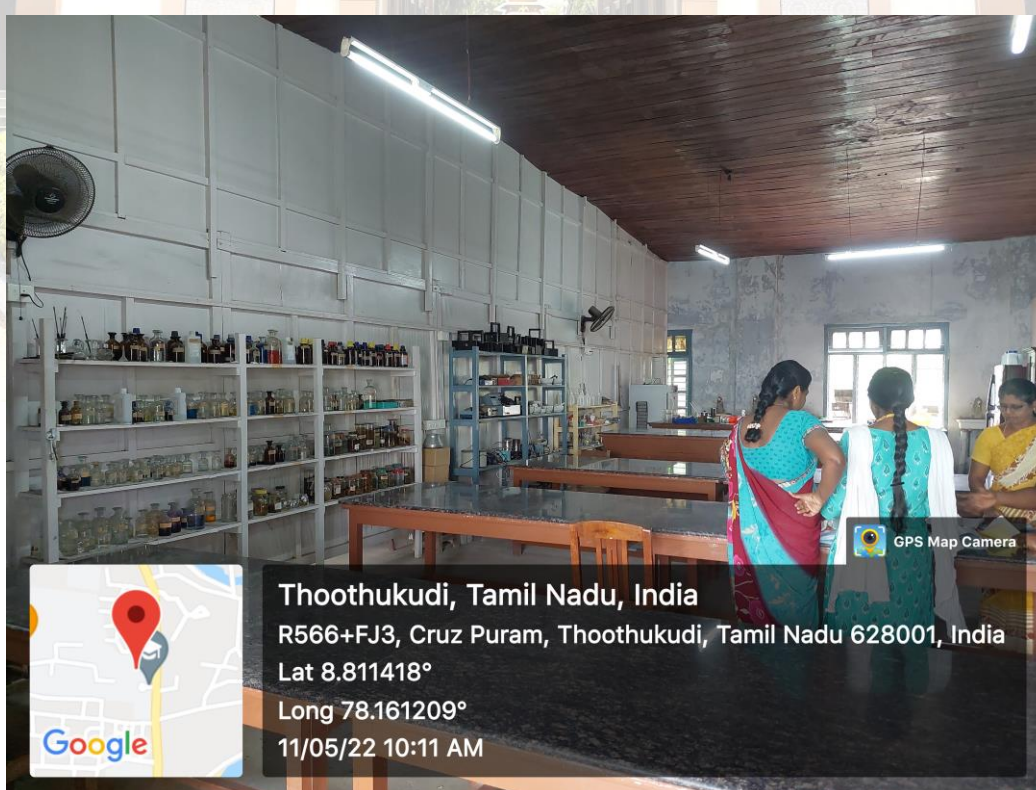
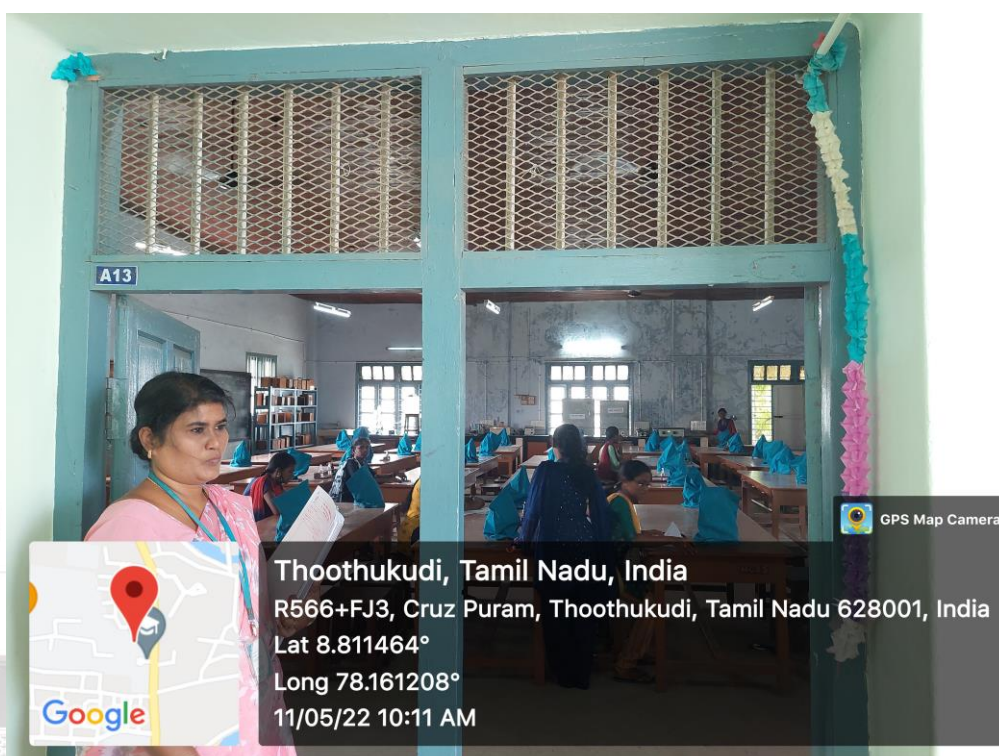




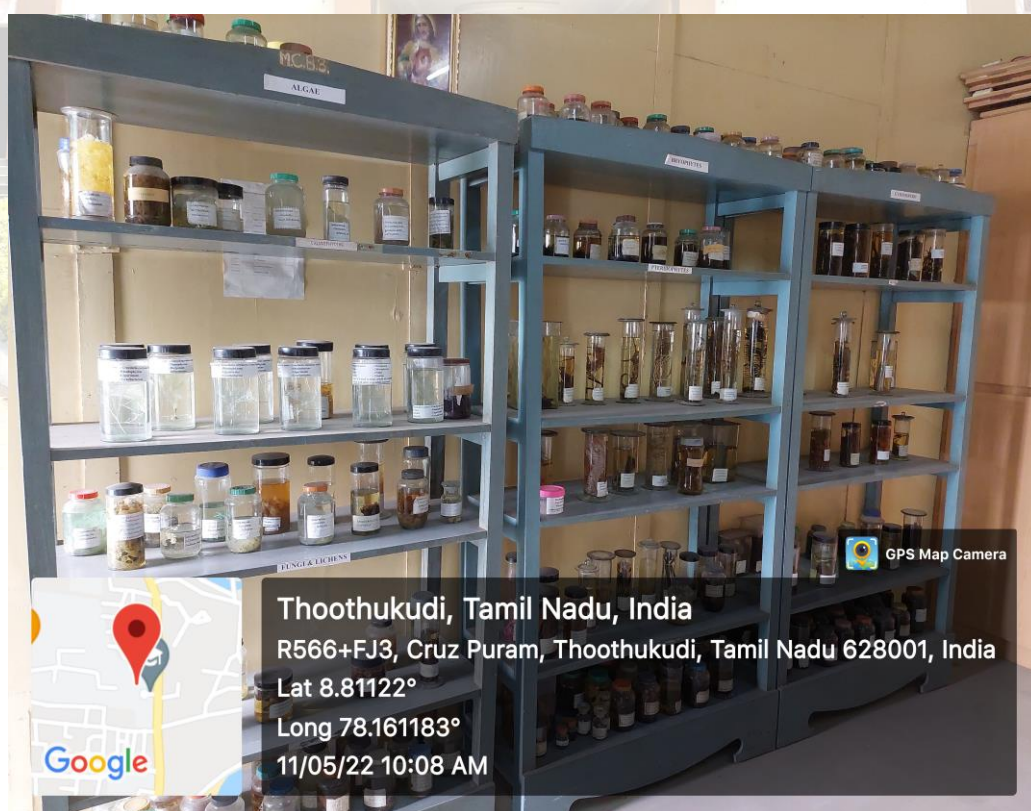
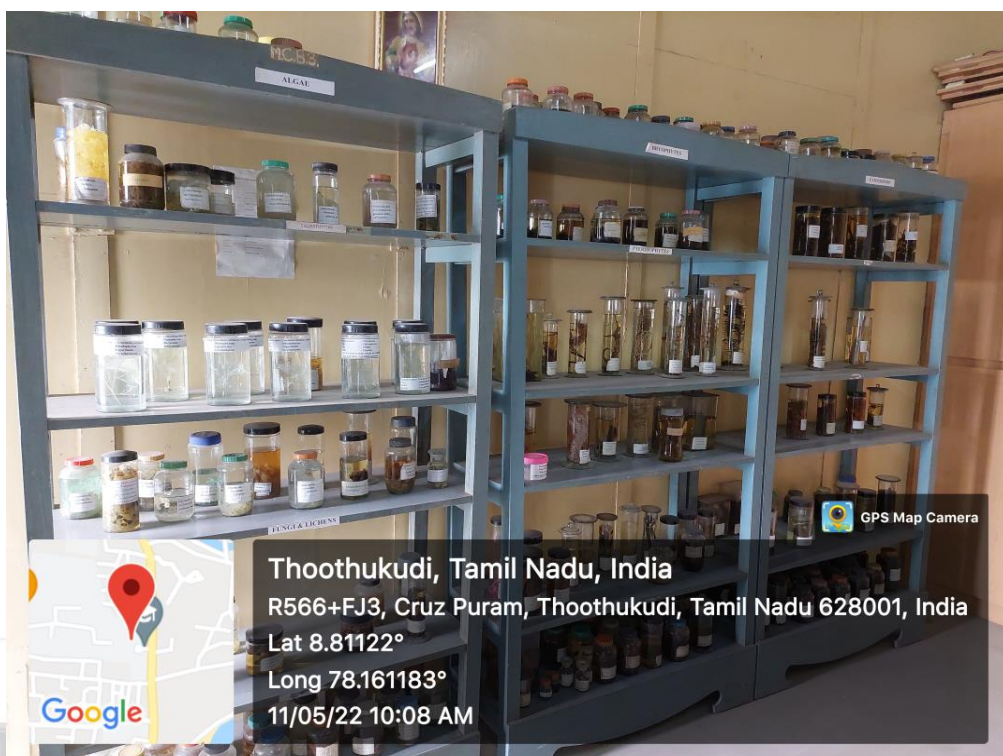




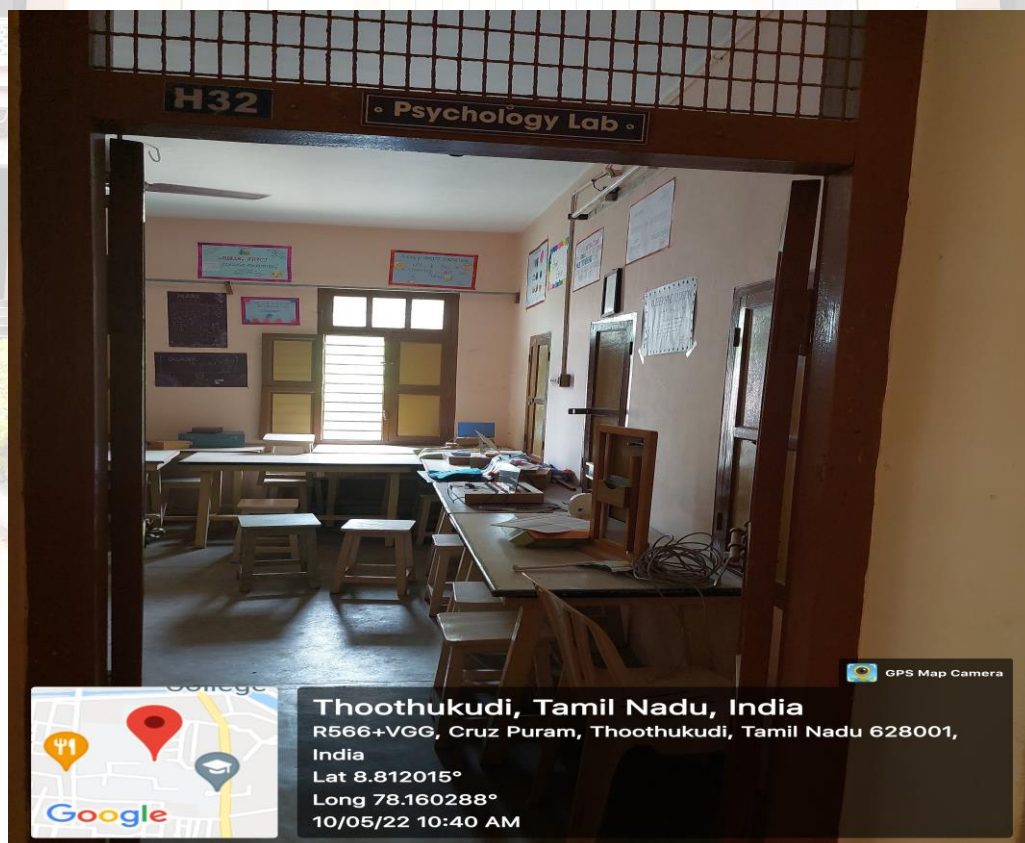
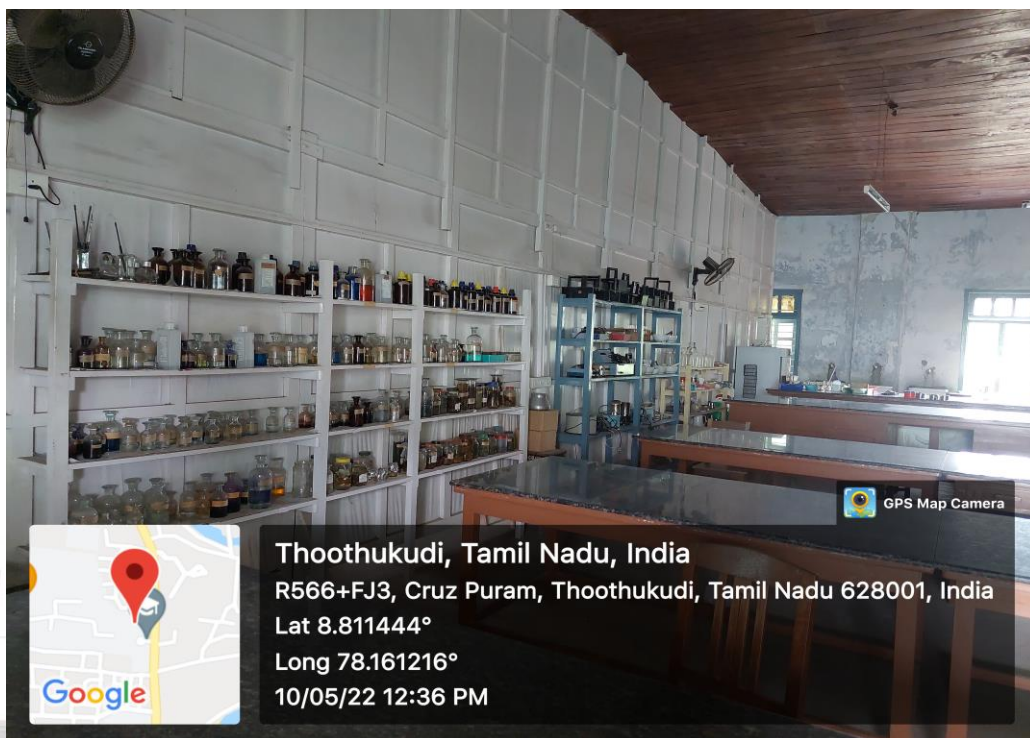












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