



## Holy Cross College (Autonomous)

Nagercoil – 629 004

Affiliated to Manonmaniam Sundaranar University, Tirunelveli  
Nationally Accredited with A+ Grade (CGPA 3.35) by NAAC IV Cycle  
An ISO 9001:2015 Certified Institution

SSR  
2019-2020  
to  
2023-2024

**3.1.1 The institution's research facilities are frequently updated and there are well defined policy for promotion of research which is uploaded on the institutional website and implemented**

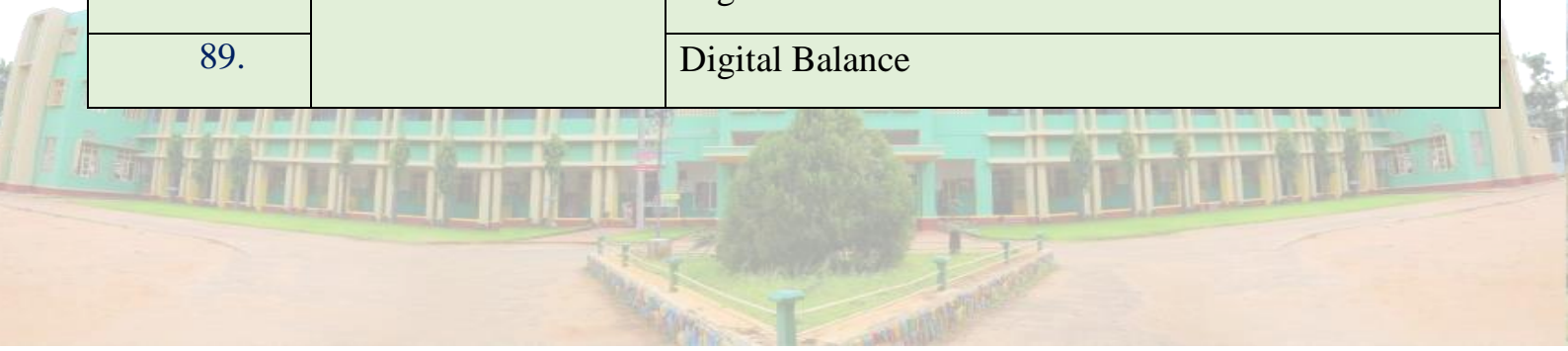
### List of Equipment/Instrument/Apparatus in Research Labs

Sl. No.	Research Lab	Equipment
1.	DST-FIST Central Instrumentation Laboratory	Alpha Counting System for Low Background Environment
2.		Biochemical Analyzer
3.		CO <sub>2</sub> Incubator
4.		Electrolyte Analyzer
5.		Flame Photometer
6.		FTIR Spectrophotometer
7.		UV-Visible Spectrophotometer
8.		Electronic Balance
9.		Geiger Muller Counting System
10.		Gel Document System
11.		Impedance Analyser
12.		Laminar Air Flow Cabinet
13.		Lyophilizer
14.		Millipore H <sub>2</sub> O Purification System
15.		Rotary Evaporator
16.		UV Chamber for Growing Plants
17.		Refrigerated and Heating Bath Circulator

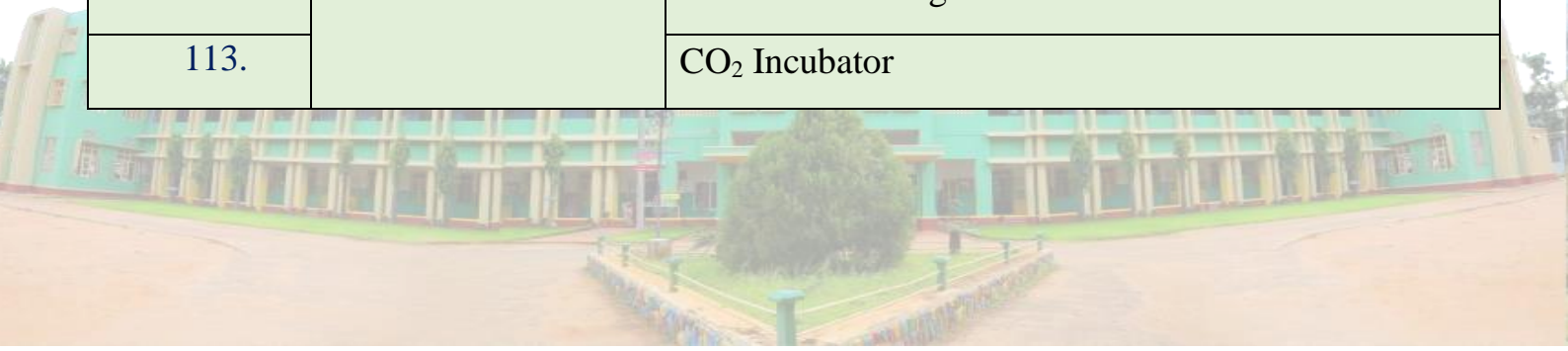
18.	Physics	Chemical Vapour Deposition Unit and Tubular Furnace
19.		Constant Temperature Bath
20.		Digital LCR Meter
21.		Double Distillation Plant
22.		Electro Deposition
23.		Four Probe and Hall Probe Setup
24.		Heating Mantle
25.		Hot-Air Oven
26.		Impedance Analyser
27.		Infra Electronic Balance
28.		Keithley Instrument
29.		Magnetic Stirrer
30.		Magnetic Stirrer with Hot Plate
31.		Mechanical Stirrer
32.		Meg-Ohm Meter
33.		Microwave Oven
34.		Muffle Furnace
35.		Pellet Press
36.		Reflux Condenser
37.		Rota Mantle
38.		Spin Coater
39.	Two Probe Setup	
40.	Ultra Sonicator	
41.	UV-Visible Spectrophotometer	

42.		Vacuum Desiccator
43.	Chemistry	$\alpha$ -Counting System
44.		$\beta$ -Counting System
45.		Butyrometer
46.		Dimmerstat Unit
47.		Hot Air Oven
48.		Melting Point Apparatus
49.		Potentiometer with Electrode
50.		Autoclave
51.		Centrifuge
52.		Electronic Weighing Balance
53.		Clevenger Apparatus
54.		Conductivity Meter
55.		De-Ioniser
56.		Digital CH <sub>4</sub> Analyzer
57.		Digital CO <sub>2</sub> Analyzer
58.		Digital Fluorimeter
59.		Digital H <sub>2</sub> S Analyzer
60.		Digital Hot Air Oven
61.		Digital Multimeter
62.		Digital NH <sub>3</sub> Analyzer
63.		Digital Temperature Controller
64.		Distillation Unit
65.		Electric Bunsen Burner

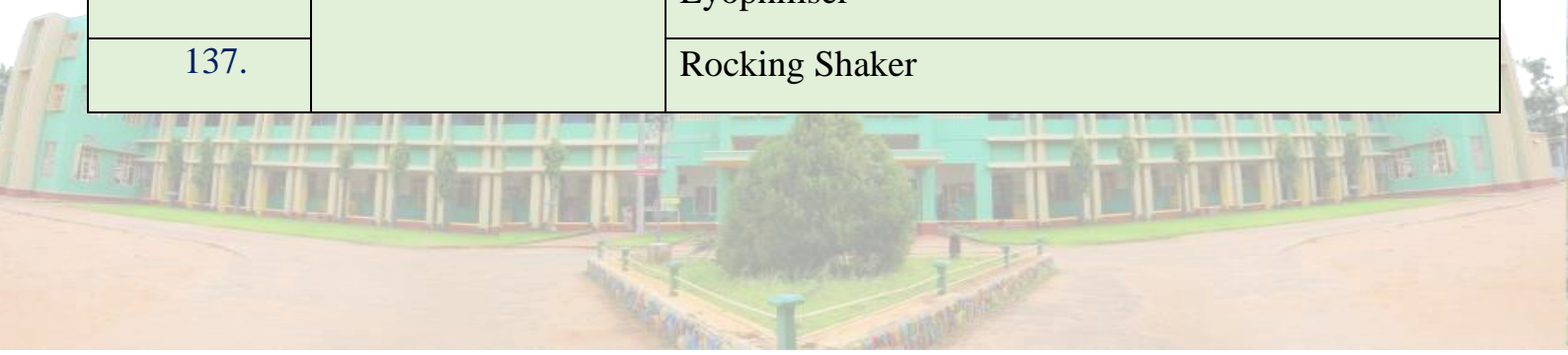
66.		Flame Photometer
67.		Freezer Box
68.		Heating Mantle
69.		Lactometer
70.		Magnetic Stirrer
71.		Magnetic Stirrer with Hot Plate
72.		Mechanical Shaker
73.		Muffle Furnace
74.		Oil Bath
75.		Pen Type pH Meter
76.		pH Meter
77.		Digital Photocolorimeter
78.		Soxhlet Apparatus
79.		Ultra Sonicator
80.		UV Cabinet
81.		Water Analysis Kit
82.		Water Bath
83.	Botany	Agarose Gel Pack
84.		Binocular Microscopes
85.		Binocular Compound Microscope
86.		Clevenger Apparatus
87.		Colorimeter
88.		Digital Flame Photometer
89.		Digital Balance



90.		Digital Colony Counter
91.		Dissection Microscope
92.		Distillation Unit
93.		Hot Air Oven
94.		Incubator
95.		Magnetic Stirrer
96.		Medical Microscope
97.		Monocular Compound Microscope
98.		pH Meter
99.		Simple Light Microscope
100.		Soxhlet Apparatus
101.		UV Spectrophotometer
102.		Visible Spectrophotometer
103.		Stereo Microscope
104.		TDS Analyzer
105.		UV Trans-Illuminator
106.		Weighing Balance
107.	Zoology	Agarose Electrophoresis Apparatus
108.		Autoclave
109.		Binocular Microscope
110.		Biochemical Analyzer
111.		Blood Bank
112.		Clinical Centrifuge
113.		CO <sub>2</sub> Incubator



114.	Colorimeter
115.	Compact Laboratory Centrifuge
116.	Cooling Centrifuge
117.	Deep Freezer
118.	Digital Colony Counter
119.	Digital Colorimeter
120.	Digital Incubator
121.	Disc Electrophoresis Apparatus
122.	Distillation Unit
123.	Electric Oven
124.	Electronic Weighing Balance
125.	Electronic Top Loading Balance
126.	Electrophoresis Power Pack
127.	ELISA - Microplate Reader
128.	Rotary Evaporator
129.	Gel Documentation with Computer
130.	Haemoglobinometer
131.	Heating Mantle
132.	Hot Plate
133.	HPLC
134.	Laminar Air Flow Cabinet
135.	Light Microscope
136.	Lyophiliser
137.	Rocking Shaker



138.	Paper Electrophoresis Apparatus
139.	PCR Apparatus
140.	pH Meter
141.	Cyclic Rotor
142.	Semi Dry Transfer Cell
143.	Shaker
144.	Spot Light Microscope
145.	Table Top Centrifuge
146.	Trans-Illuminator
147.	Trinocular Microscope
148.	UV Microscope
149.	UV-Visible Spectrophotometer
150.	Visible Spectrophotometer
151.	Vacuum Pump
152.	Vortex Mixer
153.	Water Analyzer
154.	Water Bath
155.	Weighing Balance

