

SL NO	Institute Information	Contact Information	Thematic Area	Equipments/ Tools
1	CSIR (NIIST)	https://www.niist.res.in/ Mr. Chandrakanth CK, Sr.Principal Scientist, Analytical Testing and Services Coordinator, CSIR-NIIST, pappanamcode, Thiruvananthapuram - 695019, Telephone. : +91-471-2515477 / 2515439 E-Mail:	Agro Processing and Technology Division, Center for Sustainable Energy Technologies Materials - Polymers, Composites, Nanomaterials, Minerals & Metallic Materials etc Chemical Sciences & Technology Division	HPLC, DSC, FTIR, Enzyme Activity Essays, XPS, HR-TEM, GC-MS, XRD, 31P NMR, 2D NMR,
2	CDAC - Trivandrum	Name : Lagineni Mahendra E-mail Id : laginenim@cdac.in	High Performance Computing	TANGO - A high through-put conformation generation and semiempirical method-based optimization tool GAMUT - A Genomics Big Data Management Tool and VIVIDHA - VIVIDHA is a tool used for high variant analysis of genomics data using big data technologies. C-DAC Virtue: HCI with high-performance Virtualization, BOSS Linux, and Secure cloud management. CDAC HPC Application Profiler Reconfigurable Computing (RC) is an interesting paradigm to accelerate applications
			Bioinformatics	The Bioinformatics Research and Applications Facility (BRAf)
			Centre for Excellence in Quantum Computing	Quantum Computer Simulator Toolkit FPGA testbed for Quantum Accelerator HPC based Quantum Accelerators Metro Area Quantum Access Network
			Strategic Electronics	PEARS is an indigenously developed SDR (Software Defined Radio) platform that facilitates research community to quickly explore various advancements in wireless communication. A secure wireless communication solution, based on ETSI TETRA standard, for critical communications iCON is a robust, scalable PC-based control system and is envisaged for process industries Design Linked Incentive (DLI) Scheme from MeitY
			Cybersecurity and Forensics	VAPT: Vulnerability Assessment and Penetration Testing Honeypot is deployed across the country for continuous collection of latest attacks proactively. E-Samarthak offers a platform for analyzing malware samples C-DAC offers comprehensive information and cyber audits and assessments. Tools for Conformance Testing of SCADA communication protocols for security

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3	Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum	Dr. Srinivasan K., Dean, Sree Chitra Tirunal Institute for Medical Sciences & Technology, Thiruvananthapuram - 695 011, Kerala, India, Phone: 91-471-2524500	Medical Device Testing & Calibration	Universal Testing Machines, Dynamic Mechanical Analyzer, HPLC, Gas Chromatography, Thermal Analyzers (DSC, TGA), UV-Visible Spectrophotometer, FTIR Spectrometer, FT-Raman Spectrometer, Micro-CT Scanner, Vickers Hardness Tester, Profilometer.
			Material Characterization	UV-Visible Spectrophotometer, FTIR Spectrometer, FT-Raman Spectrometer, Thermal Analyzers (DSC, TGA), Gas Chromatography, HPLC, X-ray Diffractometer, Micro-CT Scanner, Universal Testing Machines.
			Biological Evaluation	Cell Culture Facilities, Toxicology Labs, Histopathology Equipment, Microbiology Labs, Thrombosis Testing Apparatus, Animal Surgery Facilities.
			Imaging and Histopathology	Scanning Electron Microscope (SEM), Transmission Electron Microscope (TEM), Confocal Microscope, Micro-CT Scanner, Histopathology Processing Units.
			Animal Research and Preclinical Studies	Animal Housing for Small and Large Animals, Surgical Suites, Post-operative Care Units, Sterilization Units (Steam, ETO, Radiation).
4	NIT Calicut	Dr Sudheer A P, E - chair.ciei@nit.ac.in, Ph - 0495 2285041, www.nit.ac.in	Medical Research	Emergency Ventilator, Reusable Aerosol Boxes for Covid 19 Patients
			Photonics	Eclipse watch retracting telescope, Visible band integrating nephelometer
			Laser Technology	Raise 3D printer, Next Engine 3D Scanner, Laser Cutting Engraving Machine
			Metal cutting prototyping	CNC Milling Machine
			Manufacturing	3D Profilometer, Nano Indenter, Thermal Imager, HS Camera
			Micro Machining	Micro Electro Mechanical Systems
			Additives	Stratasys, Dimensions SST
			CNC	CNC Vertical Machines, CNC Electro Discharge Machine, CNC Wire electric discharge machine
			Instrumentation	5 Axis CNC coordination machine
			Force	Dynamometers, Acoustic Emission Centres, MQL, Triaxial Accelerometer
			Bio Mechanics	Computer Controlled Universal Testing Machine,
			Material Characterization	Diffractometer, Confocal Raman Refractometer, Liquid Nitrogen Generator
			Scanning Microscopy	Electron Microscope
			Networking	Optiplex 7010
			Transportation Research Area	Asphalt Content Gauge, Automatic Marshall Compactor, Benkelman Deflectometer, Dynamic Shear Rheometer, Hamburg Wheel Tractor, MERLIN, MI Stress Tester, IR Traffic Logger, RTFO,

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5	CMFRI Central Marine Fisheries Research Institute	director.cmfri@icar.gov.in , 04842394357	Nutaceuticals Research	Environmental Chamber Auto Analyzer Spectrophotometer Stereo Microscope CHN Analyzer
6	CTCRI - ICAR	Director - director.ctcri@gmail.com ,0471 2598551	Advanced Processing Machinery	Chipping Machines Hammer Type Floor Mill Ribbon Type Blender Kneading Machine Twin Screw Extruder Slice Forming Machine Industrial Burner Range Deep Fat Dryers
7	RRII - Rubber Board, Kottayam, Kerala	Research incharge, 0481 2301231	Wood testing area	Shimadzu Universal Testing Machine Wood Anatomy Analyser Taber Abrasion Resistance Tester Different Chemical Analysers and Testers DRC Tester Olympus Stereo Microscope
8	Indian Institute of Science Education and Research (IISER)	registrar@iisertvm.ac.in, 0471 2778009	Instrumentation area	Nuclear Magnetic Resonance Spectrometer (NMR) - Solid State 500MHz Nuclear Magnetic Resonance Spectrometer (NMR) - 500 MHz & 700 MHz Electrospray Ionization - Time Of Flight (ESI-TOF) Mass Spectrometer Liquid Chromatography - High Resolution (LC-HRMS) Mass Spectrometer Matrix Assisted Laser Desorption/Ionization - Time Of Flight (MALDI-TOF) Mass Spectrometer Single Crystal X-Ray Diffractometer Powder X-Ray Diffractometer Scanning Electron Microscope with EDS & WDS Scanning Electron Microscope with Electron Beam Lithography and EDS Atomic Force Microscope (AFM) Transmission Electron Microscope - 120 KV Transmission Electron Microscope - 300 KV (HR) with EDS & EELS X-ray Photoelectron Spectroscopy (XPS)

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			Chemical Sciences and related	Liquid Chromatography - Low Resolution (LC-LRMS) Mass Spectrometer Gas Chromatography - Mass Spectrometry (GC-MS) Gel Permeation Chromatography (GPC) Vibrational Circular Dichroism (VCD) Circularly Polarized Luminescence (CPL) Electronic Circular Dichroism Spectrometer (ECD) Isothermal Titration Calorimetry (ITC) Differential Scanning Calorimetry (DSC) Thermo Gravimetric Analysis (TGA) CHNS Analyzer Microwave Reactor Zeta Potential Analyser and Dynamic Light Scattering Measurement Atomic Force Microscope and Scanning Tunneling Microscope (STM-AFM) Confocal Microscope Fluorescence Microscope Time-Correlated Single Photon Counting (TCSPC) System Lab RAM HR Raman Spectrometer
			Biochemical and Molecular	X-ray Crystallography Facility Imaging Facility: with High-End Microscopes Fluorescence Activated Cell Sorter (FACS) Tissue Culture Facilities Ultra Centrifuges Plant Growth Chambers FPLCs and HPLC Surface Plasmon Resonance Real-time PCRs Biophysical Tools (CD, Fluorimeter, ITC) Computational Facility Ecology Field Station and Research Plot at Vithura Campus Animal House Gel Electrophoresis and Documentation Systems

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			Physical Sciences Area	Raman Spectrometer FT-IR UV-Vis Fluorimeter Optical Microscope Profilometer Vector Network Analyser Planetary Ball Mill Multichannel Potentiostat Keithley 4200 Parameter Analyzer QTH Measurement System Fully Automated Volumetric Gas Analyzer AFM DC RF Magnetron Sputtering System Thermal Evaporator Pulsed Laser Deposition System Solid State NMR
9	PSG Bio Nest	PSG College of Technology, Coimbatore-641004 step@psgtech.edu	Generic Quipment and Testing Facility	Nanodrop Spectrophotometer CO ₂ Incubator Laminar Air Flow Hood Deep Freezer (-20°C and -80°C) Refrigerated Centrifuge High-Speed Centrifuge Magnetic Stirrer with Hot Plate Microplate Reader (ELISA Reader) Autoclave Orbital Shaker PCR Machine Gel Documentation System pH Meter Hot Air Oven Rotary Shaker Incubator Distillation Unit Analytical Balance Biological Safety Cabinet Phase Contrast Microscope Fluorescent Microscope

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10	SITRA (South Indian Textile Research Association)	Avinsahi Rd, Coimbatore 0422 4215334 chem@sitra.org.in	Raw Material Analysis	Blend Analysis Fibre Identification Moisture Content Analysis Spin Finish Wax Content Lubricant Content Analysis Silicone Content Checkings Hot Air Shrinkages Cuprammonium Fluidity Cotton Damage Factor
			Apparel/Garment Analysis - Testing Lab	Dimensional Stability Durable Press Rating Flammability Stain Resistance Computer Colour Matching Whiteness Index Tegewa Rating Dyeability pH & Formaldehyde Testing
			New Product Analysis - Testing Lab	Wetting Agents Softeners and Enzymes Fixing Chemicals Sizing Ingredients
			Analytical & Ecolab Tests	Atomic Absorption Spectrophotometer TOC Analyser UV - Vis Spectrometer Differential Scanning Calorimeter Melting Point Analyser HPLC HPTLC Flame Photometer Microwave Digestor

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			Instrument Based Testing	Winch/Soft flow dyeing machine Xenotestor Computer colour matching system Lauderometer Wascatoir IR Dyeing Machine Curing Machine Tumble Dryer Padding mangle Spray Testor Crockmeter Perspirometer Flammability Testers

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1	3D-Printers	tec@amrita.edu
2	Atomic Force Microscope	tec@amrita.edu
3	Fluorescence Microscope	tec@amrita.edu
4	UV-Visible Spectrometer	tec@amrita.edu
5	Fluorescence spectrophotometer	tec@amrita.edu
6	Photolithography Unit	tec@amrita.edu
7	Profilometer	tec@amrita.edu
8	Electrochemical Workstation	tec@amrita.edu
9	High-speed linear machining centre	tec@amrita.edu
10	Electrical Discharge Machining	tec@amrita.edu
11	Semi-automated screen-printer	tec@amrita.edu
12	Video Measuring System	tec@amrita.edu
13	PL SPECTROPHOTOMETER	tec@amrita.edu
14	Solar Simulator	tec@amrita.edu
15	Raman Microscope with Spectrometer	tec@amrita.edu
16	884 Professional VA, Trace Metal Analyzer	tec@amrita.edu
17	Electrospinning	tec@amrita.edu
18	Fourier Transform Infrared Spectrometer (FTIR)	tec@amrita.edu
19	Stereo PIV	tec@amrita.edu
20	Highspeed Camera	tec@amrita.edu
21	Field Emission Scanning Electron Microscopy	tec@amrita.edu
22	X-ray Diffraction - Powder/Thin Film	tec@amrita.edu
23	Thermogravimetric Analyzer	tec@amrita.edu
24	Differential Scanning Calorimeter	tec@amrita.edu
25	Gas Chromatography Mass Spectrometry	tec@amrita.edu
26	Ultraviolet Visible - Diffuse Reflectance Spectroscopy	tec@amrita.edu
27	Ion Chromatography	tec@amrita.edu
28	Brunauer-Emmett-Teller (BET) Surface Area Analyzer	tec@amrita.edu
29	Synchronous Generator Fault Diagnosis Experimental Facility	tec@amrita.edu
30	Vector Network Analyzer	tec@amrita.edu
31	Anechoic Chamber	tec@amrita.edu
32	Electric Furnace	tec@amrita.edu
33	Linear welding Manipulator	tec@amrita.edu
34	Rotary welding Manipulator	tec@amrita.edu
35	GMAW power source	tec@amrita.edu
36	GTAW Powersource	tec@amrita.edu
37	High frequency Induction furnace	tec@amrita.edu
38	Eddy current dynamometer	tec@amrita.edu
39	Transient dynamometer	tec@amrita.edu
40	Chassis dynamometer	tec@amrita.edu
41	Emission analyser	tec@amrita.edu
42	Large format 3D Printer	tec@amrita.edu
43	UV Visible Spectrophotometer	tec@amrita.edu
44	UV Visible Spectrophotometer with integrating sphere	tec@amrita.edu
45	UV-Visible Spectrometer	tec@amrita.edu
46	Fluorescence spectrophotometer	tec@amrita.edu

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47	HPTLC	tec@amrita.edu
48	ICP-MS	tec@amrita.edu
49	LC MS QTOF	tec@amrita.edu
50	RT PCR	tec@amrita.edu
51	Dermalab combo skin testing instrument and probes	tec@amrita.edu
52	Multi Purpose Lab Station(MPLS): DMM, DSO, VEE Pro Lic	tec@amrita.edu
53	Source Measure Unit	tec@amrita.edu
54	Mixed Signal Oscilloscope	tec@amrita.edu
55	LXI Data Acquisition / Data Logger Switch Unit	tec@amrita.edu
56	N9915A FieldFox Handheld Microwave Analyzer	tec@amrita.edu
57	Vector Network Analyzer	tec@amrita.edu
58	VECTOR SIGNAL GENERATOR	tec@amrita.edu
59	EXA SPECTRUM ANALYZER	tec@amrita.edu
60	Electromagnetic Radiation Detector PCE-EM 29	tec@amrita.edu
61	N5227B PNA Microwave Network Analyzer	tec@amrita.edu
62	Material measurement kit for liquids	tec@amrita.edu
63	Material measurement kit for solids	tec@amrita.edu
64	Anechoic Chamber	tec@amrita.edu
65	Cadence University Research EDA Tool Bundle	tec@amrita.edu
66	Dell PowerEdge R640 - 4 Node, 32 Core HPC	tec@amrita.edu
67	Matrix Converter fed BLDC motor for 6 KW Compressor Loads	tec@amrita.edu
68	3 KW wind-Solar battery augmented system with WAVECT Controller, Wireless Weather station	tec@amrita.edu
69	Digital lock-in amplifier (Zurich Instruments; HF2LI)	tec@amrita.edu
70	Vector Network Analyzer till 18 GHz	tec@amrita.edu
71	Vector Signal Analyser + accessories	tec@amrita.edu
72	Multi-parameter sonde (Aquaread AP 6000)	tec@amrita.edu
73	Ultrapure Water Purification System	tec@amrita.edu
74	Electrical resistivity tomography (ERT)	tec@amrita.edu
75	Ground penetrating radar (GPR)	tec@amrita.edu
76	Spectroradiometer	tec@amrita.edu