

RESEARCH LABORATORIES & CENTRALIZED INSTRUMENTATION FACILITIES
Department of Chemical Engineering, NIT Tiruchirappalli

S.No.	Name of the Equipment	Name of the Laboratory	Short description of the Equipment (Model, Make Important Details)	Faculty In charge Contact Details
1.	Thermo Gravimetric Analyzer	Research Lab	TGA 4000 sys with 100-240 +Freight Handling +Insurance	Dr.K.N.Sheeba 0431-2503113
2.	Differential Scanning Calorimeter	Research Lab	DSC 6000 sys with 100-240 +Freight Handling +Insurance	Dr.K.N.Sheeba 0431-2503113
3.	FT-IR + CHNS Analyser	Research lab	FT-IR/SP 10 + CHNS 50	Dr.K.N.Sheeba 0431-2503113
4.	Thermal conductivity Analyser	Environmental biotechnology lab	Model KD2PRO including analyser	Dr.M.Arivazhagan 0431-2503111
5.	Inductively coupled plasma	Project lab	Model Optima 8000	Dr. J. Sarat Chandra Babu 0431-2503107
6.	COD Analyser	Research lab	DRB 200 COD digester	Dr.M.Matheswaran 0431-2503120
7.	Water purifier	Research lab	Synergy SYPKOSIAI	Dr.M.Perumalsamy 0431-2503112
8.	BET Surface Analyzer	Environmental biotechnology lab	BET analyser (2 Nos) + calibration gas mixture	Dr.M.Arivazhagan 0431-2503111
9.	Potentiometric Titrator	Environmental biotechnology lab	Metro 888 with Tiamo software	Dr.M.Arivazhagan 0431-2503111
10.	Multiparameter analyser	Environmental biotechnology lab	Multi Parameter analysis (5 nos) DR900 HACH	Dr.M.Arivazhagan 0431-2503111
11.	Analysis of Oil and soap Rotary evaporator	Environmental biotechnology lab	Digital rotary evaporator IKARV10	Dr.M.Arivazhagan 0431-2503111
12.	Light Microscope	Environmental biotechnology lab	Light microscope + Camera	Dr.M.Arivazhagan 0431-2503111
13.	Digital Refractometer	Research Lab	Model J257	Dr.M.Perumalsamy 0431-2503112
14.	Double beam UV visible Spectrophotometer	Research lab	UV Visible (2Nos)	Dr.A.Arunagiri 0431-2503114

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15.	Shear Tester	Electrical capacitance Tomography lab	Shear tester INCOTERMS CIP	Dr. J. Sarat Chandra Babu 0431-2503107
16.	Particle Size Analyzer	Electrical capacitance Tomography lab	Particle size analyser LA-960S	Dr. J. Sarat Chandra Babu 0431-2503107