

Jijamata College of Science and Arts Bhende
Equipment purchased under funding of DST-FIST(2014)
 Department-wise Distribution

Sr. No.	Name of Department	Amount in Rs.
1	Department of Physics	530300
2	Department of Chemistry	4545650
3	Department of Botany	130450
4	Department of Zoology	30000
5	Library (105 Books Purchased)	50933
6	Computer Department (25 Computers)	752252
Total Amount		6039585

Instruments purchased under DST-FIST scheme 2014			
Teaching Facilities by the College			
Department of Chemistry			
Sr. no.	Particulars	Model No.	Prize
1	Sys 813 Flame Atomic Absorption Spectrometer	Systronics SYS 813	1207000
2	PC-controlled Potentiostat	910 STAT mini 29100010	795000
3	Systronics Double Beam Uv-Vis Spectrophotometer	Model AU-2701 (Former Hitachi 2800)	425250
4	Karl Fisher Titrimeters	PSAW 63	16,000
5	Ultrasonic cleaner	Leela sonic	15,000
6	Netsteel Distillation Assembly	-	64,000
7	Rectangular Muffle Furnace (Laboratory Model)	-	39,500
8	GM counter Digital		72,000
9	Ball Mill	PSAW 180AA	12,700
Total			2,646,450
Research Facilities in Chemistry			
1	Perkin Elmer FT-IR with ATR Diamond Accessory	Spectrum 2	1102250
2	Isocratic HPLC System with Software SYS LC-138	Systronics SYS LC 138	730000
3	Digital Water Analyser Kit	Make Labtronics, Model No: LT 59	41,000
4	Photochemical reactor	PSAW-90	25,950
Total			1,899,200
Total			4,545,650

**Instruments purchased under DST-FIST scheme 2014
Teaching Facilities**

Department of Botany			
Sr. no.	Particulars	Model No.	Prize
1	BOD incubator	PSAW-417	74,950
2	Trinocullor microscope imported	PSAWMM-4 A	23,500
3	Tissue Culture Hood	-	32,000
Total			130,450

Department of Zoology			
Sr. no.	Particulars	Model No.	Prize
1	Binocular microscope	PSAWT-8	30,000
Total			30,000

Department of Physics			
Sr. no.	Particulars	Model No.	Prize
1	Michelson Interferometer	'Optiregion' Make	98,350
2	Zeeman's Effect Apparatus	'Optiregion' Make	171000
3	Universal B.H. Curve Tracer With C.R.O		57,800
4	Susceptibility measurement for solids by Guoy's method	'Optiregion' Make	58,500
5	4 probe resistivity	PSAW220	15,000
Total			400,650

Research Facilities by the College			
Sr. no.	Particulars	Model No.	Prize
1	Planck's Constant	PC-101	32,000
2	Dielectric Constant and Currie Temperature	-	70,650
Total			102,650
Total			503,300

Teaching Facilities

EQUIPMENT



Michelson Interferometer



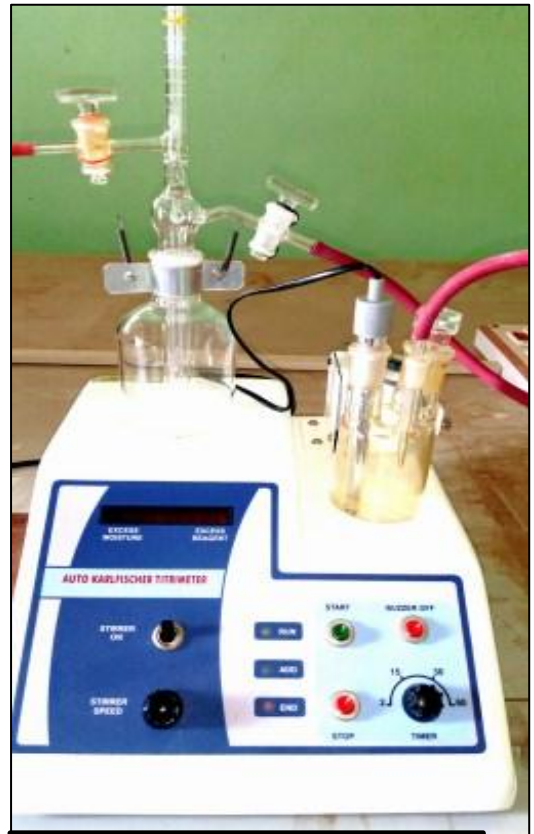
Zeeman's Effect



G.M. Counter



Distillation Assembly



Karl Fisher Titrimeters



Universal B.H. Curve Tracer With C.R.O.



Ball Mill



Tissue Culture Hood



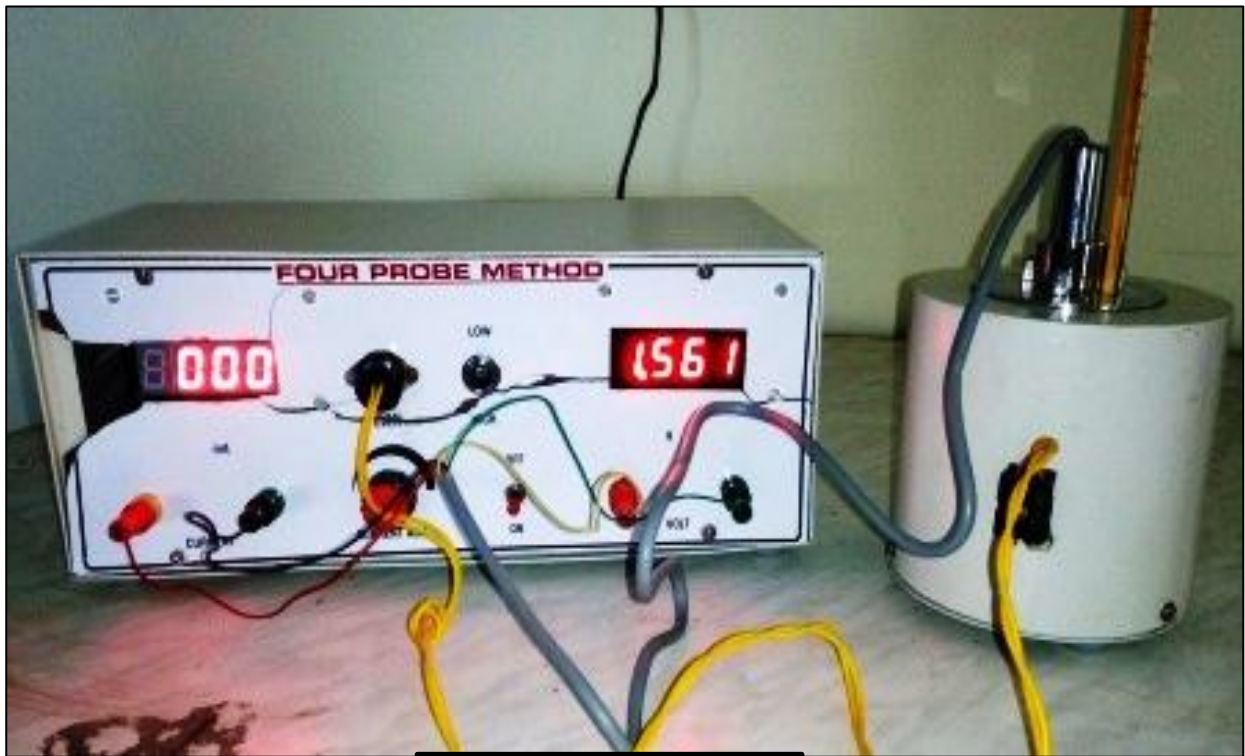
Susceptibility measurement for solids by Guoy's method



BOD Incubator



Trinocullor Microscope Imported



4 Probe Resistivity



Binocular Microscope



Trinocullor Research Microscope



Systronics Double Beam UV-VIS Spectrophotometer



PC-controlled Potentiostat



Systronics Atomic Absorption Spectrometer

Research Facilities

EQUIPMENT



Dielectric Constant & Curie Temperature



Planck's Constant



Photochemical Reactor



High Temperature Muffle Furnace



Digital Water Analyser Kit



Systronics Isocratic HPLC System



Perkin Elmer FT-IR Spectrum



Computers

(Acer veriton desktop, core i3 6th generation,
4GB DDR IV with 1TB HDD)

