

APPENDIX 6: LIST OF EXISTING AND NEW EQUIPMENT ( 1 )

Chemistry

CURRICURUM	PLANNED EQUIPMENT		MAJOR EXISTING EQUIPMENT		
	EQUIPMENT	QTY	EQUIPMENT	QTY	INS. YR
Common for Chemical Department	NMR spectrometer (90 MHz)	1			
	Voltage stabilizers	1			
	Slide projector	1			
	Overhead projector	1			
	GC-MS	1			
	Microcomputer	1			
	Uninterrupted power supply(for NMR)	1			
Inorganic Chemistry (1/2)	Analytical balances	7			
	Furnace	1			
	Top-pan balance	1			
	Colorimeters	4			
Organic Chemistry (1/2)	Top-pan balance	1			
	Soxhlet apparatus	6			
	Cork boring machine	1			
	Lab. jacks (rising platform) var.	2			
Inorganic & Organic Chemistry			Drying cabinets	2	1981
			Ice-making machine	1	1985
			Colorimeters	2	1979
			Balances	4	1981
			Ovens	2	1982
		Melting-point apparatuses	2	1981	
Advanced Inorganic Chemistry	Analytical balances	4			
	Rotary evaporator	1			
	Top-pan balance	1			
	Colorimeters	2			
	pH meters	2			
	Constant temperature water bath	1			
	Pure water system	1			
	Stirrer motors	20			
	Magnetic stirrers & hot plates	10			
Vacuum dessicators	5				
Advanced Organic Chemistry	Analytical balances	4			
	Rotary evaporators	2			
	Top-pan balance	1			
	Constant temperature water bath	1			
	Lab. jacks (rising platform) var.	2			
	Retort stands	10			
	UV lamps (for chromatography)	2			
Heating mantles	20				
Advanced Inorganic & Organic Chemistry			pH meter	1	1981
			Centrifuges	3	1972
			Ovens	3	1982
			Shaker	1	1979
			Balances	4	78, 81
			Digital multimeter	1	1985
			Vacuum pumps	3	70, 82
			Stills	2	1987
			Photoelectric titrator	1	1971

APPENDIX 6: LIST OF EXISTING AND NEW EQUIPMENT ( 2 )

CURRICURUM	PLANNED EQUIPMENT		MAJOR EXISTING EQUIPMENT		
	EQUIPMENT	QTY	EQUIPMENT	QTY INS. YR	
			Refrigerator	1 1985	
			Colorimeter	3 72, 81	
Organic Chemistry (Research)	Polarimeter (digital)	1			
	HPLC (gradient elution)	1			
	HPLC columns	10			
	UV visible-spectrophotometer	1			
	FT IR spectrophotometer	1			
	Gas chromatograph	1			
	Vacuum pumps	5			
	Rotary evaporators	2			
	Flask shaker	1			
	Micro syringes (HPLC & GC)	20			
	Ice making machines	2			
	Circulatory water bath/pump	1			
	Spectrofluorometer	1			
				Drying cabinet	1 1979
				Rotavapours	3 78, 81
				Grinder/pulveriser	1 1978
				Mechanical stirrer	1 1977
				Fraction collector	1 1977
				Shaker	1 1975
			Thermostatic bath	1	
			Vacuum oven	1 1976	
			Refrigerator	1 1985	
			Water baths	4 80, 82	
			U. V. lamp	1 1985	
			HPLC	1 1981	
			Magnetic stirrers	3 79, 82	
Physical Chemistry	Conductivity meters	9			
	Refractometer (digital)	1			
	Thermometer	1			
	Polarograph (student model)	1			
	Digital voltmeters	10			
	Colorimeters	2			
	Viscometer	1			
	pH meters	2			
	Constant temperature water baths	2			
	Polarimeter (student type)	1			
	Refrigerators	2			
	Pellet press	1			
	Melting point apparatus	1			
	Photochemical reactor	1			
				Tablet making machine	1
				Balances	2 1981
				Conductivity bridges	2
				Thermostatic bath	1 1963
				pH meter	1 1980
				Enlarger	1 1978
			Potentiostats	1 1986	
			Battery chargers	4 53, 82	
			Polarographs	2 53, 66	
			Amplifier	1	
			Top pan balances	2 1972	
			Ultrasonic bath	1 1985	

APPENDIX 6: LIST OF EXISTING AND NEW EQUIPMENT ( 3 )

CURRICURUM	PLANNED EQUIPMENT		MAJOR EXISTING EQUIPMENT		
	EQUIPMENT	QTY	EQUIPMENT	QTY : INS. YR	
			Colorimeter	1 : 1973	
			Potentiometers	3 : 75, 79	
			I. R. spectrometer	1 : 1987	
			Projector	1 : 1985	
			Electric ovens	2	
			Polarimeters	4 : 54, 67	
			Mechanical balance	1 : 1989	
			Oscilloscope	1 : 1978	
			Drying cabinet	1 : 1982	
Analytical Chemistry	Flouresence detector for HPLC	1			
	Hand centrifuges	20			
	Analytical balances	10			
	Turbidimeter	1			
	Giant size chemistry model Kit	1			
	COD analyser	1			
	Cold vapour Hg unit	1			
	Oxygen electrode	1			
	Dissolved oxygen meter	1			
	pH meter	1			
	Low speed Centrifuges	3			
	Constant temperature water bath	1			
	Micro syringes (HPLC & GC)	20			
	Close up camera	1			
	X-T chart recorder (2 pen model)	1			
	Quarts water still	1			
				Deionyzer	1 : 1980
				Micro mill	1 : 1982
				Gas chromatograph	1 : 1980
				FIA - Flow injection analysor	1 : 1980
			Muffle furnances	2 : 75, 82	
			pH meters	2 : 1979	
			Polarograph	1 : 1981	
			Atomic absorption spec.	2 : 1980	
			HPLC	1 : 1981	
			Fluorometer	1 : 1981	
			Peristaltic pumps	2 : 1982	
			N2 Analyzer (Tecator)	1 : 1985	
			Ultrasonic bath	1 : 1982	
			Balances	3 : 72, 79	
			Ovens	2 : 75, 88	
			Rotavapour	1 : 1981	
			Ionalyzers	2 : 1980	
			Turbidity meter	1 : 1979	
			Graphite tube atomizer	1 : 1980	
			UV/Visible spectrometers	2 : 80, 90	
Bio-chemistry	High speed refrigerated centrifuge	1			
	Dry ice making machine	1			
	Freeze dryer	1			
	Top-pan balance	1			
	Gel electrophoresis	1			
	Electric autoclave	1			
	Clean bench	1			
	Orbital shaker	1			
	Lab. jacks (rising platform) var.	2			

APPENDIX 6: LIST OF EXISTING AND NEW EQUIPMENT ( 4 )

CURRICURUM	PLANNED EQUIPMENT		MAJOR EXISTING EQUIPMENT	
	EQUIPMENT	QTY	EQUIPMENT	QTY INS. YR
	Retort stands	10		
	Stirrer motors	20		
	Magnetic stirrers & hot plates	10		
	Liquid nitrogen Dewars	2		
	Vacuum dessicators	5		
	Blenders	2		
	Heating mantles	5		
	Refrigerated circulating baths	1		
	Ultracentrifuge	1		
	Deepfreezer	1		
	Ultra-low temperature freezer	1		
	Concentrator	1		
	Microcentrifuges	2		
	Gel electrophoresis aparatus	1		
	Mini gel electrophoresis	1		
	Leveling table	1		
	Electrophoresis power supply	1		
	Electrophoresis constant pwr supp.	1		
	Gel slab dryer	1		
	UV/trans illuminator	1		
	DNA sequencing gel electopho. ap.	1		
	Large tray for gels	2		
	Exposure cassette	1		
	Instant camera set up	1		
	Radio isotope monitor	1		
	Filtering unit	1		
	Polythene heat sealer	1		
	Safety glasses & face guards	10		

Physics

CURRICURUM	PLANNED EQUIPMENT		MAJOR EXISTING EQUIPMENT	
	EQUIPMENT	QTY	EQUIPMENT	QTY INS. YR
Electronics	Logic analyser	1		
	Logic probes	5		
	Experimental kits in electronics	5		
	Microprocessor training kits	2		
	Electronic training equipment sys.	4		
	Logic trainers	5		
			Mircorprocessor tecaching kit	1 1986
			Digital systems trainer	1 1986
		Oscilloscope, 300MHz	1	
		Oscilloscopes, dual trace, 20 MHz	30	
			Oscilloscope 12MHz Stor.	1 1986
			Oscilloscopes 20MHz	4 1985
			Oscilloscopes 20MHz 2ch.	3 1990
			Oscilloscope 20MHz dual	1 1982
			Oscilloscopes 10MHz	2 1975
			Oscilloscopes 20MHz	2 1984
			Oscilloscopes 20MHz	3 1986
		Oscilloscopes 20MHz 2ch.	6 1987	
	Oscilloscope cameras	2		
	Digital multimeters, bench type	30		

APPENDIX 6: LIST OF EXISTING AND NEW EQUIPMENT ( 5 )

CURRICURUM	PLANNED EQUIPMENT		MAJOR EXISTING EQUIPMENT		
	EQUIPMENT	QTY	EQUIPMENT	QTY	INS. YR
	Function generators upto 2MHz	10	Function generators 1 MHz	2	1984
			Function generator 1 MHz	1	1982
			Function generator 1 MHz	1	1982
			Function generators 100 MHz	4	1978
			Signal generators 100KHz	6	1971
			Oscillators 50KHz	4	1971
			Pulse generator 100 KHz	1	1965
	Microwave apparatus	2			
	RF level meters 10-30MHz	2			
	AM/FM signal generator	1			
			Microwave apparatus (2.8cm)	1	1968
	Hall voltage apparatus	2			
	Plank's constant apparatus	1			
	Counter-timers	10			
	"Frank and Hertz" expt. set up	3			
			Radioactive equalizers	3	1986
			Transient recorder	1	1980
		Pyranometer	1	1989	
		Space charge filter units	2	1985	
		Condensers	4	1988	
		Digital multimeters	5	1987	
Electro Magnetics	Analog multimeters	10	Multimeters digital	10	1987
			Analog multimeters	2	1978
			Multimeters digital	10	1991
			Analog multimeters	2	1990
	Clamp meter, digital	1			
	DC voltage calibrator	1			
	Magnetic fluxmeters	2			
	AC millivoltmeters (Analog RMS)	10	Analog AC voltmeters 250V	4	1960
			Digital voltmeter	1	1978
			Analog voltmeters 5V	3	1968
			Analog voltmeter 10V	1	1972
			Potentiostat/Galvanostat	1	1989
			Analog voltmeters 3V	3	1959
			Analog voltmeter 5V	1	1972
			Analog voltmeters 5V	17	1960
	Van de Graff generator	1	Potentiometers	2	1980
			Potentiometers	2	1978
	Potentiostat/Galvanostat	1	Galvanometers moving coil	6	1966
			Galvanometers spot galve	9	1966
	Regulated DC power supplies, 1.2A	20			
	Regulated DC power supplies, 5A	2	Power supplies 230V, 5A	3	1973
			Power supply 600V, 100mA	1	1976
			Power supplies +/-12V, 1A	6	1986
		Power supplies 12V, 1A	4	1990	
		Power supplies high stab. 18V	2	1975	
		Power supply 24V, 2A	1	1976	
Capacitors, sub. standard var.	5				

APPENDIX 6: LIST OF EXISTING AND NEW EQUIPMENT ( 6 )

CURRICURUM	PLANNED EQUIPMENT		MAJOR EXISTING EQUIPMENT		
	EQUIPMENT	QTY	EQUIPMENT	QTY	INS. YR
	Oscillators 2Hz to 20MHz	20			
	Decade resist. boxes (0Ω-10MΩ)	5			
	Decade resist. boxes (0Ω-1MΩ)	20			
	Decade resist. boxes (0Ω-100kΩ)	10			
	Delay line demonstrator	1			
	Digital displaying LCR meter	1			
			Frequency counter	1	1988
			Frequency counters	2	1991
Nuclear Physics	Geiger Muller counter expt. setup	1			
	Semiconductor detectors (Ge Li)	1			
	Multichannel analysers	2			
	Electronic delay generators	2			
	Nuclear radiation exp. set up	1			
	High precision electronic balance	1			
	Very high impedance voltmeters	1			
	Fast pulse generator	1			
	Photomultiplier tubes	5			
	Photomultiplier power supplies	5			
	NIM crates (Nuclear inst. module)	4			
	Fast pulse amp. (NIM standard)	6			
	Discriminators (NIM standard)	6			
	Charge sensitive amplifiers	4			
	Charge sensitive preamplifiers	2			
	Linear gates & delay generators	4			
	Scalers - dual (NIM std.)	4			
	Power supplies E.H.T. (NIM std.)	4			
	Fast coincidence gates - 4 inputs	4			
	Amplitude to digital converters	2			
	Stretcher amplifiers (NIM std.)	4			
	Extra hi voltage supply	1			
	High volt., high stab. supplies	2			
	Radiation monitor	1			
	Charge integrators (NIM std.)	2			
	Time to digital converter 8-bit	1			
	Lock in amplifiers	2			
				Power supplies 30kV, 5mA	2
			Time to digital converter	1	1989
			Fast amplifier	1	1985
			NIM bin	1	1989
			Constant fraction discriminator	1	1985
			Dual counter	1	1989
			Power supply 30kV, 5mA	1	1989
			High voltage power supp. 6kV	1	1989
			High voltage power supp. 30kV	2	1989
Solid State Physics	High vacuum pump systems	3			
	Vacuum coating apparatus	1			
			Rotary pump	1	1980
			Diffusion pump	1	1981
	Microcomputer	1			
	Precision crystal cutter	1			
			Timer Counter for NMR	1	1978
	X-ray diffractometer	1			
Micro pipettes	1				
			Micro pipettes	2	1985

APPENDIX 6: LIST OF EXISTING AND NEW EQUIPMENT ( 7 )

CURRICURUM	PLANNED EQUIPMENT		MAJOR EXISTING EQUIPMENT		
	EQUIPMENT	QTY	EQUIPMENT	QTY INS. YR	
			Student X-ray apparatus	1 1988	
			Steel balls	10 1938	
			Electrospray	1 1985	
			Field mills	2 1989	
	Furnace	1			
	Ovens	2			
	Water distilling unit	1			
General Physics, Heat	Traveling microscopes	6			
	Top-pan balances, upto 3kg	4			
	Top-pan balances, upto 300g	4			
	Cont. temperature immersion heater	1			
	Lab. jacks (rising platform) var.	20			
	Cathetometers	20			
	Peak hold digital thermometers	2			
	Temperature controller units	3			
			Electric balance	1 1985	
Waves & Optics	Lasers (with accessories)	1			
	Optical spectrometers	10			
	XENON lamp & power supplies	2			
	XENON lamps for Spare	4			
	Stroboscopes	2			
				Stroboscope	1 1987
	Professional camera	1			
	Camera & camera stand	1			
	Photographic enlarger	1			
	Ultrasonic apparatus	2			
	Optical benches with accessories	10			
	Projection screens	3			
	Vacuum dessicators	2			
	Monochromator	1			
High sensitive photometer	1				
Tube furnace, variable	1				
Atomos- pheric	Digital storage oscilloscope 40MHz	1			
	Spectrum analyzer	1			
				Oscilloscope 40MHz Stor.	1 1989
	X-Y chart recorders	2			
	X-T chart recorders	4			
				Penchart recorders 1 pen	4 1985
				Penchart recorders dual	2 1985
	Digital temperature & hygrometer	1			
	Earth resistance meter - digital	1			
	Stirrer motors	2			
	Magnetic stirrers & hot plates	2			
	pH meter - with electordes	1			
	Rota meter	1			
	Weather station	1			
	Portable sound Level meter	1			
				Vertical receiving antennas	3 1989
				Electricity generator 1kW	1 1989
				Lightning flash counters	3 1988
			Furnace	1 1985	
			Analog to Ascii converter	1 1955	
			Airconditioners	3 1990	
			X-Y recorder	1 1985	

APPENDIX 6: LIST OF EXISTING AND NEW EQUIPMENT ( 8 )

CURRICURUM	PLANNED EQUIPMENT		MAJOR EXISTING EQUIPMENT			
	EQUIPMENT	QTY	EQUIPMENT	QTY	INS. YR	
			Macintosh PC 2KRAM, 40MB HDD	1	1965	
			UPS 500VA	1	1989	
			Laser beam printer for Mac	1	1989	
Computer Room	Microcomputers	1	Atari microcomputer system	1	1985	
Lecturer Room	Slide projector	1				
	Overhead projector	1				
	Large TV, VCR, video camera	1				
	Epidiascopes	2				
			Color TV	1	1970	
			Slide Projector	1	1980	
		Overhead projectors	2	1963		
		Video camera	1	1980		
		VCR	1	1987		
Electronic Workshop	Curve tracer	1				
	Insulation tester	1				
	Soldering and de-soldering stations	2				
	Electronic tool kits	3				
	Digital IC tester	1				
	Digital transistor IC testers	2				
	Transistor checker-signal	1				
			Multimeters digital	1	1989	
Mechanical Workshop	Hydraulic press	1				
	Pipe and tube benders	2				
	Plastic welding equipment	1				
	Electric riveting machines	2				
	Welding transformer (30-400 Amps)	1				
	Welding torch	1				
	Spot welding machine with access.	1				
	Electric oven (hardening)	1				
				Plate bending machine	1	1960
				Gas welding kit	1	1972
				Cutter and bender	1	1943
				Argon welding plant	1	1989
		Centre lathe machines for metal	1			
		Micro lathe machine	1			
		Metal cutting band saw	1			
		Shaping machine	1			
		Pedestal for grinder	1			
		Bench grinder	1			
		Hammer drills	2			
		Saber saw	1			
		Cutting off machine	1			
		Pillar drills	2			
		Portable thread cutter-electric	1			
		Portable electric drills	2			
		Universal milling machine	1			
		Tool and cutter grinder	1			
				Guillotine	1	1962
			Electric saw	1	1972	
			Cutter dexion	1	1963	
			Lathe for metal turning	1	1972	
			Milling machine	1	1972	
			Drill power	6	1972	



APPENDIX 6: LIST OF EXISTING AND NEW EQUIPMENT ( 9 )

CURRICURUM	PLANNED EQUIPMENT		MAJOR EXISTING EQUIPMENT	
	EQUIPMENT	QTY	EQUIPMENT	QTY INS. YR
			Saw bench - startrite	1 1972
			Drill bench	1 1972
			Tarplaner	1 1972
			Grider electric	1 1972
	Coil winder	1		
	Mobile air compressors	2		
	Numb'g and letter'g name plate pres	1		
	Spray guns for painting	2		
	Medium size glass cutting boards	2		
	Large size glass cutting boards	2		
	Surface table & dial gauge sets	2		
	Refrigeration testing equip. pack.	1		
			Refrigerators	2 1940
			Glass blowing lathe mchine	1 1985
			Glass cutting machine	1 1985
			Torque pendulum	2 1938
			Glass grinding machine	1 1985
			Refrigerators	2 1980
			Wire gauge	1 1954
	Drill sets HSS/metric	4		
	Drill sets metric for stainless	4		
	Complete took kits	4		
	End mills HSS	2		
	End mills for stainless steel	2		
	Double end mills HSS	2		
	Double end mills for stainless	2		
	Multiple flute end mills	2		
	Corner rounding end mills	2		
	Shell end mill	2		
	Shell end mills for stainless	2		
	Side milling cutters HSS	1		
	Side milling cutters for stainl.	1		
	Double angle milling cutters HSS	2		
	Double angle milling cutters HSS	2		
	Concave milling cutters HSS	2		
	Concave milling cutters stainless	2		
	Convex milling cutters HSS	2		
	Convex milling cutters HSS	2		
	Plain slitting saws	2		
	Tooth slitting saws	2		
	Staggered tooth slitting saws	2		
	Solid carbide slitting saws	2		
			Drill bits masonary sets	2 1989
	Woodworking lathe machine	1		
	Electric sander	4		
	Jig saw	2		
	Router (small)	1		
	Router (large)	1		
	Bench planers	2		
	Angle grinders	2		
	Combination wood working machine	1		
	Power hack saw	1		
	Polishing machine	1		
	Dust extraction equipment	1		

APPENDIX 6: LIST OF EXISTING AND NEW EQUIPMENT ( 10 )

Botany

CURRICURUM	PLANNED EQUIPMENT		MAJOR EXISTING EQUIPMENT	
	EQUIPMENT	QTY	EQUIPMENT	QTY INS. YR
General Biology	Stencil sets and mech. drawing brd	1		
	Vacuum desiccators	20		
	Dissecting microscopes	70		
			Environmental comparator	1 1979
			Dissecting Microscopes	65 -
	Green house	1		
	Pure water system	1		
	Student microscopes	100		
		Student microscopes	60 77-90	
	Microscope cabinet	6		
Plant Pathology	Freeze dryer	1		
	Fluorescence microscope	1		
	Photographic lab	1		
	Microcomputer	1		
	Freeze drying microtome	1		
			Sterio microscopes w/camera	2 1980
			Muffle furnace	1 1987
	Automatic microtome knife sharpner	1		
			Rotary evaporator	1 1981
	Continuous flow analyzer	1		
	Rotary evaporators	2		
	Photomicrography unit	1		
	Colorimeters	2		
			Colorimeter	1 1969
	Ovens	4		
	Tissue culture glass bottle	1000		
			Drying oven - high temp.	2 84, 90
	Leaf area meter	1		
Photosynthetic system	1			
Quantum-radiometer-photometers	2			
		Pressure chamber instrument	1 1986	
		Steady state porometer	1 1986	
Plant Bio- chemistry	Orbital shakers	2		
			Flame photometer	1 1975
	UV visible-spectrophotometer	1		
			Visible spectrophotometer	1 1980
	Magnetic stirrers & hot plates	6		
			Magnetic stirrer	2 1975
	Soxhlet apparatus	2		
		Soxhlet apparatus	1 1988	
Constant temperature water baths	2			
		Water bath, shaking	2 68, 79	
		Electric water baths		
Plant Pathology	Scanning electron microscope	1		
	Stereo microscope	1		
	Variable volume dispensors	5		
		Glassware drying cabinets	2 1984	
Cell	Phase contrast microscopes	2		

APPENDIX 6: LIST OF EXISTING AND NEW EQUIPMENT ( 11 )

CURRICURUM	PLANNED EQUIPMENT		MAJOR EXISTING EQUIPMENT	
	EQUIPMENT	QTY	EQUIPMENT	QTY INS. YR
Biology	Close-up camera	1	Centrifuges	6 73,81
Micro-biology	Freezer (upto -80oC)	1		
	Thermostatic orbital S. W. bath	1		
	Pipette fillers	10		
	Digital pipettes (micro)	12		
	Glassware dryers	4		
			Incubator	1 1976
			Flask shaker	1 1976
			Colony counters	2 79,81
			Autoclave - portable type	1 1968
			Autoclave - horizontal type	1 1981
			Autoclave - vertical type	2 79,90
		Electric autoclave	1	
			Constant temperature-incubators	6
		Cooling incubator	1	
	Flask shakers	4		
	Water distilling unit	1		
		Distilling apparatus	3 79,87	
	Clean benches	3		
		Laminar flow	1 1981	
	Portable pH meters	2		
		pH meters	2 75,87	
Environmental Science	Dissolved oxygen meters	2		
			Incubator, cooled	1 1979
			Portable conductivity meter	1 1986
			Conductivity/salinity meter	1 1986
		Top-pan balances	10	
		Balance, top loading	6 73,80	
		Balance, top pan	2 75,80	
		Electrical analytical balance	1 1987	
General Lecture	Projection screen	1		
	Overhead projector	1		
			Overhead projectors	3 79-87
		Carousel slide projector	1 1986	
	Slide projector	1		

Zoology

CURRICURUM	PLANNED EQUIPMENT		MAJOR EXISTING EQUIPMENT	
	EQUIPMENT	QTY	EQUIPMENT	QTY INS. YR
Histology	Electric autoclaves	2		
	Automatic microtome knife sharpner	1		
	Cryostat	1		
	Freezers	2		
			Warming(drying) plate	1 1980
			Warburgh apparatus	1 1980
			Baths for embedding	2 1970
			Paraffin sect'n mounting bath	3 1987
		Stereo microscopes	5	
			Stereo microscope	1 1988
		Binocular microscopes	3 1987	
		Balances	3 1965	

APPENDIX 6: LIST OF EXISTING AND NEW EQUIPMENT ( 12 )

CURRICURUM	PLANNED EQUIPMENT		MAJOR EXISTING EQUIPMENT	
	EQUIPMENT	QTY	EQUIPMENT	QTY INS. YR
	Top-pan balances	5		
	Analytical balances	5		
	Automated tissue processor	1		
	Phase contrast microscopes	5		
			Phase contrast attachments	2 : 1987
	Constant temperature-incubators	2		
			Incubator	1 : 1975
			Incubator(oven)	1 : 1970
			Distille water plants	3 : 1984
			Microscope/student type	25 : 1990
			Microscope/student type	15 : 1984
			Microscope/student type	9 : 1977
			Microscope/student type	6 : 1960
	Student microscopes	100		
	Microscope cabinet	6		
Microscope graticules	24			
Microtomes rotating type	3			
		Microtome	8 : 1960	
Ovens	5			
		Hot box ovens	3 : 60, 87	
Ecology	UV visible-spectrophotometer	1		
	Vacuum pumps	2		
	COD analyzer	1		
	Dissolved oxygen meters	3		
	Inverted microscopes	2		
	Temperature controlled cabinets	1		
	Dip cooler	5		
	Event recorders	1		
			Bottom dredgers	5 : 1977
			Conductivity meter	1
			Air pump	7
			pH meter digital	1 : 1986
			Oxygen meter	1 : 1965
			pH electrode	1
			Spygomo manometer	2 : 70, 86
		Heating mantle with rotary compressor	5 : 1970	
		Sechchi disk	1 : 1977	
		Water sampler	1 : 1990	
Physiology	Coulter counter	1		
	Portable pH meter	3		
	Oscilloscopes - student model	10		
	Micro pipettes	15		
	Ice making machine	1		
	Flat bed pen recorders	2		
	Microcomputer	1		
	Anxiety tester	1		
	Ishihara card	1		
			Reaction time data chart	1 : 1989
			Aneroid barometer	1 : 1979
			Stop watches	10 : 1965
			Magnetic stirrers	6 : 1977
			Auto transformer	1 : 1987

APPENDIX 6: LIST OF EXISTING AND NEW EQUIPMENT ( 13 )

CURRICURUM	PLANNED EQUIPMENT		MAJOR EXISTING EQUIPMENT			
	EQUIPMENT	QTY	EQUIPMENT	QTY	INS. YR	
			Stop watch	1	1987	
			Stop watches	10	1960	
			Steroclave	1	1988	
			Minicell miniature slab	1	1988	
			Stethoscope	1	1986	
			Fat-o-meters	2	1989	
		Pressure analgesia meters	2			
		Hot plate analgesia meters	2			
		Tail flick analgesia meters	2			
		Haemoglutinometers	12			
				Haemoglobinometers	6	1980
		Carbon dioxide incubator	1			
				Incubator	1	1965
		Slide drying plates	3			
		Constant temperature water baths	5			
		Organ baths	10			
		Kymographs	12			
				Kymographs	16	1960
		Pen recorders	5			
		Isometric force transducer	5			
	Low speed centrifuges	3				
			Centrifuges	3	77.87	
	Turbidimeter	1				
	Colorimeters	5				
	Electrocardiograph	1				
	Animal balance	1				
	Lick - counter	1				
	Hemodynamometer	1				
			Reaction time ruler	1	1989	
			Breath volume set	1	1989	
			Lung volume bag sets	2	1989	
Parasitology	Fluorescence microscope	1				
Fish Science	pH meter	1				
	Aquarium thermostats	5				
	High precision electronic balance	1				
	Circulatory water bath/pump	1				
				Thermograph	1	1979
				Sea Recorder	1	1977
				Oil Compressor	1	1968
				Measuring feeler	1	1977
				Clinometer	1	1977
				Time controllers	3	1977
				Ratner samplers	3	1976
				Abney level	1	1975
				Blender	1	1970
				Oxygen meter	1	1986
			Reversing thermometers	2	1970	
			Oven/vacuum	1	1968	
			Anemometer	1	1979	
Entomology	Insect cage	50				
			Freezer	1	1970	
	Dissecting microscopes	5				
			Microscopes/dissecting	25	1975	
Environ-	Close-up camera	1				

APPENDIX 6: LIST OF EXISTING AND NEW EQUIPMENT ( 14 )

CURRICURUM	PLANNED EQUIPMENT		MAJOR EXISTING EQUIPMENT	
	EQUIPMENT	QTY	EQUIPMENT	QTY INS. YR
mental Science			Dip cooler	1 1978
			Auto clamp	1 1977
			Immersion circulator	1 1987
			Chromotography apparatus	1 1960
			Rain fall meter	1 1960
			Water sampler	1
			pH meter	1 1989
			Moisture meter	1 1965
			Hand Centrifuge	1 1975
			Auto Clamp	1 1977
			Crystable deminizer filters	2 1960
			Iononizer filter	1 1967
			Heater unit	1 1987
			Oxygen temperature meter	1 1960
	Field binocular	10		
			Binoculars	8 1965
General Lecture	Slide projector	1		
			Rheestats	2 1967
			Electric drill	1 1989
			Generator	1 1977
			Computer printer	1 1980
			Glass blowing instruments	1 1960
Animal Rasing			Rat/hamster cage	25
			Micro ampere meter	2 1970
	Plastic hamster cages	100		
	Straight-tube water bottles	200		
	Bent-tube water bottles	50		
	Cover for rabbits cage	100		
	Cage cover for above	100		
	Small rabbits cages	100		

Statistics and Computer Science

CURRICURUM	PLANNED EQUIPMENT		MAJOR EXISTING EQUIPMENT	
	EQUIPMENT	QTY	EQUIPMENT	QTY INS. YR
Local Area Network	Microcomputer system	1		
			Unisis min computer system	
			UNISYS 5000/95	1
Database			UVT 1224 terminals	24
	Microcomputer, optical disk unit	1		
			Personal computer	
			IBM PC/AT	1
Dispers. Pr. Periph. Eq.			Commodore PC	10
			Data General	1
			BBC Microcomputer Labo.	1
	Dot matrix printer w/switch	4		

APPENDIX 6: LIST OF EXISTING AND NEW EQUIPMENT ( 15 )

Mathematics

CURRICURUM	PLANNED EQUIPMENT		MAJOR EXISTING EQUIPMENT	
	EQUIPMENT	QTY	EQUIPMENT	QTY INS. YR
Analysis	Slide projector	1		
	Overhead projector	1		
Fluid Mech.	Personal computer	1		
			Atari personal computer	1 1981
Astronomy	12" reflector telescope	1		

Radioisotope Center

CURRICURUM	PLANNED EQUIPMENT		MAJOR EXISTING EQUIPMENT	
	EQUIPMENT	QTY	EQUIPMENT	QTY INS. YR
Radiation Measurement	Furnace	1		
	Ovens	1		
			Oscilloscope	3 1985
			Pulse generator	1 1985
			UV - Visible spectrophotometer	1 1988
			Scintillation Alpha counter	1 1987
			G.M. counting system	2 1979
			Gamma Scintillation count g sys	1 1979
			Si surface-barrier detector	1 1984
			Multichannel analyzers	3 79-88
			Liquid nitrogen plant	1 1991
Age Measur't	X-ray fluorescence system	1		

Library

CURRICURUM	PLANNED EQUIPMENT		MAJOR EXISTING EQUIPMENT	
	EQUIPMENT	QTY	EQUIPMENT	QTY INS. YR
Literature Control	Microcomputer	1		
	Photocopiers	2		
			Sharp copy machine	1
Present'n Eq.	Overhead projector	2		







