

		<b>HCL Intel Core 2 Duo,7500@2.93Ghz, 2 GB DDR2 RAM / 320 GB SATA HDD / HCL 18.5" LED Monitor / Keyboard / Optical Mouse /DVD RW</b>	<b>40</b>
Machine shop Lab 1	183.94	KIRLOSKAR LATHEMODEL 1330	<b>2</b>
		M.M.M LATHE	<b>3</b>
		ANIL LATHE	<b>12</b>
		BABY LATHE 2 ½FEET	<b>1</b>
Machine shop Lab 2	178.37	SAGAR 24" SHAPING MACHINE	<b>1</b>
		SAGAR 9"SHAPING MACHINE	<b>9</b>
		SAGAR PLANING MACHINE6FEET PLG 63	<b>1</b>
		SLOTING MACHINE	<b>1</b>
		UNIVERSAL CYLINDRICAL GRINDING MACHINE	<b>1</b>
		BLUE MAX MODELTOOL & CUTTER GRINDER	<b>1</b>
		SURFACE GRINDER	<b>1</b>
		UNIVERSAL MILLING MACHINE	<b>1</b>
		MILLING MACHINE AMBER MAKE	<b>1</b>
		DRILLING MACHINE	<b>1</b>
		RADIAL DRILLING MACHINE	<b>1</b>
		POWER HACK SAW MACHINE	<b>1</b>
Work shop Lab 1	89.1	BENCH VICE	<b>32</b>
		DRILLING MACHINE	<b>1</b>
		GRINDING MACHINE	<b>1</b>
		WELDING TRANSFORMER AIR& OIL COOLED 3PHRASE 400AMP80-100VOLTS	<b>2</b>
Project Lab	178.37	Student Projects Display	<b>30</b>
Energy Conversion Lab	178.37	ABEL PENSKY	<b>2</b>
		MARTIN PENSKY	<b>2</b>
		CLEVELAND OPEN TYPE	<b>2</b>
		RED WOOD VISCOMETER	<b>2</b>
		SAY BOLT VISCOMETER	<b>2</b>
		PLANIMETER	<b>3</b>
		DIESEL ENGINE WITH MECHANICAL BRAKE TEST RIG	<b>1</b>
		COMPUTERISED VARIABLE COMPRESSION FOUR STROKE DIESEL ENGINE	<b>1</b>
		SINGLE CYLINDER PETROL ENGINE TEST RIG WITH CONTROL PANEL	<b>1</b>
		TWO STROKE PETROL ENGINE TEST RIG PRODUCT CODE TR-03SR NO 196	<b>1</b>
		COMPUTER CONTROLLED ENGINE TEST RIG MODEL 1020 SINGLE CYLINDER DIESEL ENGINEPOWER-10 HP	<b>1</b>
		MORES TEST ON MULTICYLINDER ENGINE WITH HYDRAULIC LOADING(PETROL)	<b>1</b>
FOUR STROKE PETROL(Centrifugal Pump ENGINE TEST RIG WITH HYDRAULIC LOADING	<b>1</b>		

		BOMB CALORIMETER WITH STANDARD ACCESSORIES & BACKMAN THERMOMETER FOR THE ABOVE	1
		BOYS GAS CALORIMETER	1
		CUT SECTION OF TWO STROKE PETROL ENGINE	1
		DIGITAL STOP WATCH	1
		WILLERS 4 STROKE PETROL ENGINE	1
		DIGITAL WEIGHING BALANCE	1
Foundry and Forging Lab	267.31	SAND RAMMER	1
		UNIVERSAL SAND STRENGTH TESTING PERMEABILITY TEST	2
		CUPOLA FURNACE 70-80 KGS/HOUR	1
		OVEN	1
		SIEVE SHAKER WITH 10 NOS SIEVES	2
		CLAY CONTENT TESTER	1
		RAPID MOISTURE TESTER	1
		MOULD HARDNESS TESTER	1
		CORE HARDNESS TESTER	1
		TOOLS & ACCESSORIES	1
		SMITHY TOOLS & ACCESSORIES	30 Set
		Fluid Mechanics and Machinery Lab	273.50
CIPLOTIC NOTCH	1 SET		
VENTURI METER	1 SET		
ORIFICE APPARATUS	1 SET		
MOUTH PIECE APPARATUS	1 SET		
LOSSES IN PIPES	1 SET		
SUBMERGED ORIFICE	1 SET		
PLUG SLUICE	1 SET		
PELTON WHEEL TURBINE	1 SET		
IMPACT OF JET	1 SET		
HYDRAULIC RAM	1 SET		
CENTRIFUGAL PUMP	1 SET		
RECIPROCATING PUMP (PLUNGER PUMP)	1 SET		
GEAR PUMP TEST RIG	1 SET		
FRANCIS TURBINE	1 SET		
MULTI STAGE CENTRIFUGAL PUMP TEST RIG	1 SET		
CLOSED CIRCUIT FLOW VISUALISATION APPARATUS	1 SET		
REYNOLDS APPARATUS CLOSED CIRCUIT	1 SET		
METACENTER OF SHIP MODEL	1 SET		
AIR BLOWER	1		
AIR COMPRESSOR	1		
MANO BLOCK PUMP	1		

Heat and Mass Transfer Lab	178.37	COMPOSITE WALL	1
		THERMAL CONDUCTIVITY OF LIQUID	1
		THERMAL CONDUCTIVITY OF METAL ROD CODE HT-02	1
		HEAT EXCHANGER HT-26(PARALLEL FLOW /COUNTER FLOW)	1
		STEFAN BOLTZMANN APPARATUS	1
		EMISSIVITY MEASURE APPARATUS HT-09	1
		HEAT TRANSFER IN NATURAL CONVECTION	1
		HEAT TRANSFER IN FORCED CONVECTION	1
		REFRIGIRATION TEST RIG	1
		COMPUTERISED VAPOUR COMPRESSION TEST RIG	1
		PIN-FIN APPARATUS	1
		DROPWISE & FILMWISE CONDENSATION	1
		TRANSSIENT HEAT CONDUCTION	1
		BOILING AND CONDENSATION APPARATUS	1
		THERMAL CONDUCTIVITY INSULATING POWDER`	1
Material Testing Lab	183.94	COMPUTERIZED UTM	1
		IMPACT TESTING MACHINE	1
		TORSION TESTING MACHINE	1
		BRINELL HARDNESS TESTER	1
		ROCKWELL HARDNESS TESTER	1
		VICKERS HARDNESS TESTER	1
		DOUBLE DISC POLISHING MACHINE MARK 11 20CM DISC DIA	1
		MECHANICALWEAR TEST PIN & DISC TYPE	1
		COMPUTERISED WEAR TESTING MACHINE	1
		COMPUTERISED METALLURGICAL MICROSCOPE	1
		METALLURGICAL MICROSCOPE	1
		ULTROSONIC FLAW DETECTOR	1
		MAGNETIC CRACK DETECTOR	1
		METALLURGICAL LAB SPECIMENS	5
Mechanical Measurements And Metrology Lab	89.19	SURFACE FINISH TESTER WITHOUT PRINTER MODEL 178-934	1
		MITUTOYO BEVEL PROTRACTOR	1
		SINE BAR	
		SLIP GAUGES	2 SET
		TOOL MAKERS MICROSCOPE MODEL 176-801-E/SL 500104	1
		SINE CENTER 200MM	1
		MEASUREMENT OF PITCH WITH ANVIL WITH MICROMETER 0-25MM	1 SET
		ELECTRONIC MICROMETER	1

	3 WIRE SET	<b>2 SET</b>
	THREAD PLUG GAUGE	<b>1 SET</b>
	GEAR TOOTH MICRO METER	<b>2</b>
	GEAR TOOTH VERNIER CALIPER	<b>2</b>
	PLAIN PLUG GAUGE	<b>1</b>
	V BLOCK	<b>1</b>
	V BLOCK & MAGNETIC BASE	<b>2</b>
	RADIUS GAUGE	<b>1</b>
	THREAD PITCH GAUGE	<b>1</b>
	MECHANICAL COMPARATERS WITH 0.01MM DIAL WITH JAFUJI STAND	<b>1</b>
	ELECTRONIC COMPARATER WITH STAND	<b>1 NO</b>
	ELECTRONIC VERNIER CALIPER	<b>1</b>
	MT PLUG GAUGE	<b>1</b>
	MITUTOYO MINI PROCESSOR WITH CABLE	<b>1</b>
	1GRANITE SURFACE PLATE WITH STAND SIZE 630X630MM JAFUJI GRANITE SURFACE PLATE WITH STAND SIZE 1000X630MM	<b>2</b>
	VERNIER DEPTH GAUGE	<b>1</b>
	STEEL BALL	<b>3 SET</b>
	DRILL TOOL DYNAMOMETER 200KG	<b>1</b>
	LATHE TOOL DYNOMOMETER 100KG	<b>1</b>
	METRIC THREADS	<b>11</b>
	JAFUJI MICROMETER STAND	<b>1</b>
	MITUTOYO BORE DIAL GAUGE	<b>1</b>
	STANDERED ROLLER SET 1-10MM 3PIECES	<b>1 SET</b>
	MITUTOYO DIGIMATIC OUSIDE MICROMETER	<b>1</b>
	AUTO COLLIMETER	<b>1</b>
	OPTICAL FLAT	<b>1</b>
	PROFILE PROJECTER	<b>1</b>
	DIAL INDICATERS WITH STAND	<b>1</b>
	MEASUREMENT OF STRAIN	<b>1</b>
	MEASUREMENT OF FORCE BY USING STRAIN GAUGE	<b>1</b>
	MEASUREMENT OF PRESSURE	<b>1</b>
	HSS TURNING TOOL	<b>2</b>
	MEASUREMENT OF TEMP BY USING THERMOCOUPLE	
	EQUIPMENT TO CALIBRATE DIGITAL LOAD UP TO LOAD 50 KG	<b>1</b>
	EQUIPMENT TO CALIBRATE DIGITAL PRESSURE GAUGE	<b>1</b>
	LVDT ./-20MM	<b>1</b>
	DIFFERENT JKT THREADS	
	THERMOCOUPLE CALIBRATION SET	<b>1</b>
	THERMOCOUPLE CALIBRATION TEST RIG	<b>1</b>
	MEASUREMENT OF DISPLACEMENT	<b>1</b>

		MEASUREMENT OF TORQUE	1
		MEASUREMENT OF VIBRATION	1
		EQUIPMENT TO DETERMINE ELASTIC CONSTANT USING STRAIN	1
		EQUIPMENT TO DETERMINE ELASTIC READ OUT	1
		EQUIPMENT TO DETERMINE STRESS ON CANTILEVER BEAM WITH STRAIN GAUGE AND	1
		EQUIPMENT TO CALIBRATE DIGITAL PRESSURE	1
		EQUIPMENT TO DETERMINE GAUGE FACTOR	1
		EQUIPMENT TO DETERMINE TIME RESPONSE CHARACTERISTICS TIME CONSTANT TRANSFER FUNCTION OF SECOND ORDER SYSTEM	1
		CRO DUAL TRACE 20MHZ	1
		EQUIPMENT TO DETERMINE CONTROL OF TEMP PRESSURE FLOW DISPLACEMENT USING MICROPROCESSOR	1 SET
		HM-205-2 STORAGE OSCILLOSCOPE	1
		10 CHANNEL STRAIN INDICATOR	1
		MEASUREMENT OF ELASTIC CONSTANT BY USING STRAIN GAUGE	1
		TEXTRONICS MAKE DIGITAL FUNCTION GENERATORS(FG)	2
		LOAD CELL 100KG TENSION S TYPE	1
Design Lab	89.19	WHIRLING OF SHAFT	1
		MOTORIZED GYROSCOPE	1
		PORTER GOVERNOR	1
		HARTNELL GOVERNOR	1
		JOURNAL BEARING APPARATUS	1
		SLIDER BEARING TEST RIG	1
		DETERMINATION OF PRINCIPAL STRESSES AND PRINCIPAL STRAIN MAX, SHEAR STRESSES MAX, ROSSET TYPE	1
		PHOTOELASTIC MODELS Complete with 12 models with wooden box for Tension Transverse	1BOX
		TRANSMISSION TYPE POLARI SCOPE	1
		ADAIR –DUTT ELECTRONIC WEIGHING BALANCE	1
		UNIVERSAL VIBRATION APPARATUS	1
		STATIC & DYNAMIC BALANCING	1
		STRAIN GAUGE GEOTECHNICAL DATA LOGGER	1
Research and Development Lab	117.06	HEAT TREATMENT ELECTRICAL FURNACE(OLD)	1
		HEAT TREATMENT ELECTRICAL FURNACE(NEW)	1

		HEAT TREATMENT ELECTRICAL FURNACE(SPRAY CASTING)	1
		MUFFLE FURNACE(OLD)	1
		MUFFLE FURNACE(NEW)	1
		CENTRIFUGAL CASTING	1
		STRESS CORROSION CRACKING	1
		MECHANICAL VIBRATION	1
		MICRO VICKERS HARDNESS TESTING MACHINE	1
		MICRO CUM MACRO VICKERS HARDNESS TESTING MACHINE	1
		PLANETARY BALL MILLING	1
		FATIGUE CUM TENSILE & COMPRESSION UTM	1
		SPECTRO POLISHER SAMPLE.	1
		ARGON NITROGEN GAS & GAS CYLINDERS.	1
		OPTICAL EMISSION SPECTROMETER	1
		COMPUTERISED JOURNAL BEARING TEST RIG	1
		COMPUTERIZED MICROSCOPE	1
		HYDRAULIC PRESS	1
Solar Lab	28	SOLAR WATER HEATER	1SET
		SOLAR AIR HEATER	1SET
		SOLAR WATER HEATER	1SET
		NET PYRADIO METER	1SET
		PRECISION PYRANOMETER	1
		SUNSHINE RECORDER	1
		RADIATION INTEGRATER	1
		COMPUTERIZED WEAR TEST RIG.	1
		CORROSION TEST RIG	1
		FURNACE	1
		HEAT TREATMENT FURNACE	1
		CENTRIFUGAL CASTING	1

#### Research Scholars

Sl. No.	Name of the Research Scholar	Research Guide	Date of Registration	Name of the University	Topic of Research	Status	Date of Award
1	Dr. G V Gnanendra Reddy	Dr. P Sankaran Kutty		VTU	Solar Energy	Awarded	2011
2	Dr. S H Manjunath	Dr. P Sankaran Kutty		VTU	Alternate Fuels	Awarded	2011
3	Dr. S G Sanga Setty	Dr. P Sankaran		VTU	Energy	Awarded	2012