

College of Agricultural Engineering & Post harvest Technology, Ranipool

Sl. No.	Name of the instrument & make	Year of purchase	I/C of the equipment (Scientist, Mobile No., Dept.)	Function of the equipment	Status (Working /Repairable/ Non repairable)	Log Book maintained (Yes/No) (Scan copy to be enclosed)	Shared with others (Yes/No) No. of user other than CAU	Utilization Charge/ Fee (Rs.)
1	Lathe Machine (05 nos.) HMT make	2008	Dr S.SDas Asst. Professor (Mech. Eng.) FMPE Dept. Mob.7005862171	Metal cutting (turning, tapering, threading, etc.)	Working	Yes	Propose	216/ hr
2	Radial Drilling Machine (HMT make)	2008	Dr S.S Das Asst. Professor (Mech. Eng.) FMPE Dept. Mob.7005862171	Drilling, Boring, Reaming, Counter sinking etc.	Working	Yes	Propose	178/hr
3	Soil Bin Testing Facility	2016	Dr. S. K. Satpathy/ 8918515200/FMPE	PG/Ph.D Research	Working	Yes	Propose	Rs. 1652/h
4	Human Energy Measuring System (K4B2)	2012	<i>Dr. N.S.Chauhan,</i> <i>9434742243/FMPE</i>	PG/Ph.D Research	Working	Yes	Yes	Free to students of SMU
5	High Speed Refrigerated	08/TRA /116	Dr. Sushma Gurumayum 9365756768	Centrifuge	Working	Yes	Yes (UG/PG/Ph.D)	NA

	Table Top Centrifuge Make: Sigma	Dt. 01.12.08						
6	Spectrophotometer Double Beam UV-VIS Model: Shimadzu UV-2600	P/IIMC/82/2015-16, Dt. 30.03.16	Dr. Sushma Gurumayum 9365756768	Analysis, detection, characterization of compounds	Working	Yes	Yes (UG/PG/Ph.D)	NA
7.	Food Extruder	07.08.09	Dr. Sujata Jena, Professor, HOD, PFE Dept9933467570	For production of extruded products	Working	Yes	Propose	100/sample
8	Freeze Dryer	11.05.09	Dr. Rakesh Kr. Raigar, Asst. Prof, PFE Dept. 09474682664	Freeze drying of samples	Working	Yes	Propose	100/sample

9	Automatic form fill seal packaging machine	07.03.09	Dr. Rakesh Kr. Raigar, Asst. Prof, PFE Dept. 09474682664	For automatic packaging of food products	Working	Yes	Propose	50/sample
10.	Food texture analyzer	29.04.09	Dr. Sujata Jena, Professor, HOD, PFE Dept 9933467570	For testing texture of food samples	Working	Yes	Yes	1000/sample
11.	Spray Dryer (Glass)	23.07.09	Dr. Rakesh Kr. Raigar, Asst. Prof, PFE Dept. 09474682664	For production of powdered milk	Working	Yes	Propose	50/sample
12.	Rice Mill (Mini)	21.10.10	Dr. Rakesh Kr. Raigar, Asst. Prof, PFE Dept. 09474682664	For processing paddy to rice	Working	Yes	Propose	NA
13.	Milk Processing Plant	18.11.2010	Dr. Rakesh Kr. Raigar, Asst. Prof, PFE Dept. 09474682664	For production of milk products like ice-cream, cream, pasteurized milk, butter , curd, paneer etc.	Working	Yes	Propose	-

14.	Super Critical fluid extraction unit And Accessories	31.03.10	Dr. Sujata Jena, Professor, HOD, PFE Dept9933467570	For extraction of essential oil out of food samples	Working	Yes	Propose	2000/sample
15.	Fruit and Vegetable Juice and paste Processing Plant	23.09.10	Dr. Rakesh Kr. Raigar, Asst. Prof, PFE Dept. 09474682664	For production of food products like Pickle, Tomato puree, Jam, Jelly, RTS, Squash, Marmalade, etc.	Working	Yes	Propose	-
16.	Laboratory homogenizer	07.12.10	Dr. Rakesh Kr. Raigar, Asst. Prof, PFE Dept. 09474682664	For creating uniform and consistent mixture in milk	Working	Yes	Propose	100/sample
17.	Feed Mixer	19.4.10	Dr. Rakesh Kr. Raigar, Asst. Prof, PFE Dept. 09474682664	For uniform mixing of two or more solid/ powdered samples	Working	Yes	Propose	100/sample

18.	Multi stage evaporator with aroma recovery system	27.03.1 2	Dr. Rakesh Kr. Raigar, Asst. Prof, PFE Dept. 09474682664	For aroma recovery of samples	Working	Yes	Propose	50/sample
19.	Vacuum Tray Dryer	19.03.1 2	Dr. Sujata Jena, Professor, HOD, PFE Dept 9933467570	For vacuum drying of food samples	Working	Yes	Propose	100/sample
20.	Chromameter	24.03.2 020	Dr. Sujata Jena, Professor, HOD, PFE Dept9933467570	For checking colour of food samples	Working	Yes	Propose	100/sample