

Name of Laboratory: Food Engineering Laboratory (DFT-117) Ground Floor

S.no	Name of the Equipment	Funded Agency
1	Reynolds apparatus	IUST
2	Screw conveyor	IUST
3	Orifice meter	IUST
4	Venturimeter	IUST
5	Rotameter	IUST
6	Hydraulic bench	IUST
7	Fluidized bed dryer	IUST
8	Rotap sieve shaker	IUST
9	Bernoulli apparatus	IUST
10	shell and tube heat Exchanger	IUST
11	Refrigerator trainer	IUST
12	Ball Mill	IUST
13	jaw crusher	IUST
14	Distillation apparatus	IUST
15	Multiple effect evaporator	IUST
16	Ribbon mixer	IUST
17	plate and filter frame press	IUST
18	Centrifugal test rig	IUST

Name of the Laboratory:- FPTC (DFT-119 Ground Floor)

S.No	Name of the equipment	Funded By
1	Planetary dough mixer	MOFPI
2	Spiral dough mixer	MOFPI
3	Dough Sheeter	MOFPI
4	Electric Deck oven	MOFPI
5	Bread slicer	MOFPI
6	Can reformer	MOFPI
7	Can flanger	MOFPI
8	Seamer	MOFPI
9	Hydraulic Press	MOFPI
10	Bottle washer	MOFPI
11	Steam jacketed kettle	MOFPI
12	Retort	MOFPI
13	Lug capping machine(Pneumatic)	MOFPI
14	Lug capping machine (manual)	MOFPI
15	Fruit mill	MOFPI
16	Screw juicer extractor	MOFPI
17	Juicer pulper	MOFPI
18	Bottle filling machine	MOFPI
19	Crown corking machine	MOFPI
20	Oven,toaster and griller(OTG)	ATMA
21	Microwave oven(LG76)	ATMA
22	Chest Freezer CHF200C	ATMA

23	Mixer warring	ICAR
24	Oil expeller	ICAR
25	Grinder (Dalia making machine)	ICAR
26	Grinder (Wheat grinding machine)	ICAR
27	Refractometer0-32,60-90 brics	ICAR
28	Meat mincer	IUST
29	Bowl chopper	IUST
30	Rice grader	MOFPI
31	Rice polisher	MOFPI
32	Rice husker	MOFPI
33	Shrink wrapping machine	FISTA
34	Vacuum packaging machine	FISTA
35	Microwave oven LG 101	IUST
36	Digital hot plate	IUST
37	Refrigerator LG	IUST
38	Chest Freezer double door CHF500A	IUST
39	Band sealer	IUST
40	Hot Air dryer	IUST
41	Tray Drier S/S type	IUST
42	Tray Drier	IUST
43	Hot Air oven	IUST
44	Humidity and Temperature Control Cabinet	IUST
45	Deep Fryer	IUST
46	Air Fryer	IUST
47	Vacuum cleaner	IUST
48	Philips grinder mixer juicer 500 watt	IUST
49	Philips grinder mixer juicer 750 watt	IUST
50	Weighing balance 30 kg capacity	ICAR
51	Pulverizer	CRS scheme

Name of Laboratory: Food Analytical Lab UG (DFT- 120) Ground Floor

S.no	List of equipments in	Funding Agency
1	Hot air oven	IUST
2	Muffle furnace	IUST
3	Soxhlet apparatus	IUST
4	Hot plate	IUST
5	Gerber centrifuge	IUST
6	Vacuum oven	IUST
7	Refrigerator	IUST
8	Three switch heater	IUST
9	Double distillation apparatus	IUST

Name of the Laboratory:- Research laboratory (PG) DFT 110 Ground Floor

S.No.	Name of the equipment	Funded By
1	Hot air oven	IUST
2	pH meter	IUST
3	Muffle furnace	IUST

4	Hot plate	IUST
5	Weighing balance	TEQIP III
6	Distillation unit	DBT
7	Soxhlet unit	IUST
8	Humidity Chamber	CRS
9	Electrophoretic Unit	IUST

Name of the Laboratory:- Packaging Laboratory (DFT 113, Ground Floor)

S.No	Name of the equipment	Funded By
1	Head space analyzer	TEQIP III
2	Machine rectangle	TEQIP III
3	Hand impulse sealer	TEQIP III
4	Standard penetrometer	TEQIP III

Name of the Laboratory:- Food Analysis Laboratory (DFT- 204 1st Floor)

S.No	Name of the equipment	Funded By
1	Refrigerated Centrifuge	CRS scheme TEQIP-III
2	Data logger	CRS scheme TEQIP-III
3	Hot air oven	CRS scheme TEQIP-III
4	Hot plate	CRS scheme TEQIP-III
5	MEFPAE chamber	CRS scheme TEQIP-III
6	Magnetic stirrer	CRS scheme TEQIP-III
7	pH meter	CRS scheme TEQIP-III
8	Refrigerator	CRS scheme TEQIP-III
9	Rotary evaporator	CRS scheme TEQIP-III
10	Vortex mixer	CRS scheme TEQIP-III
11	Mixer Grinder	CRS scheme TEQIP-III
12	Water bath	CRS scheme TEQIP-III
13	Weighing balance	CRS scheme TEQIP-III
14	Magnetic Stirrer	CRS scheme TEQIP-III
15	Water Bath	CRS scheme TEQIP-III
16	Vortex Mixer	CRS scheme TEQIP-III
17	Shaking Incubator	CRS scheme TEQIP-III
18	Digital pH meter	CRS scheme TEQIP-III
19	Micropipettes	CRS scheme TEQIP-III
20	Refrigerator	CRS scheme TEQIP-III
21	Binocular Microscope	CRS scheme TEQIP-III
22	Centrifuge	CRS scheme TEQIP-III
23	Magnetic Stirrer	CRS scheme TEQIP-III
24	Bench Top Homogenizer	CRS scheme TEQIP-III
25	Ultrasonicator	CRS scheme TEQIP-III
26	Refrigerator	CRS scheme TEQIP-III
27	Micropipettes	CRS scheme TEQIP-III
28	Sonicator	CRS scheme TEQIP-III
29	Hot air Oven	IUST
30	Shaking Incubator	IUST

Name of the Laboratory:- Microbiology Laboratory (DFT- 205 1st Floor)

S.No	Instrument	Source
1	Laminar Air Flow	IUST
2	B.O.D Incubator	IUST
3	Autoclave	IUST
4	Autoclave	IUST
5	Laminar Air Flow (2)	IUST
6	Microscopes (9)	IUST
7	Microwave Oven	IUST
8	Colony Counter	IUST
9	Heating plate	IUST
10	Vortex	IUST
11	Water bath	IUST
12	Fermenter	IUST
13	Micropipette	IUST

Name of Laboratory: Advance Food Engineering Laboratory –II (DFT-206)

S.No	Name of the equipment	Funding Source
1	Absorption in packed bed	TEQIP-III
2	Cascade CSTR	TEQIP-III
3	Combined flow reactor	TEQIP-III
4	CSTR	TEQIP-III
5	Cyclone separator	TEQIP-III
6	Emissivity Measurement Apparatus	TEQIP-III
7	Experimental water cooling tower	TEQIP-III
8	Heat transfer in agitated vessel	TEQIP-III
9	Heat transfer in forced convection	TEQIP-III
10	Heat transfer in natural convection	TEQIP-III
11	Heat transfer through composite walls	TEQIP-III
12	Liquid in liquid diffusion apparatus	TEQIP-III
13	Liquid liquid extraction in packed bed	TEQIP-III
14	Plug flow reactor(straight tube type)	TEQIP-III
15	RTD studies in CSTR	TEQIP-III
16	RTD studies in packed Bed reactor	TEQIP-III
17	Sieve plate distillation column	TEQIP-III
18	Solid in air diffusion apparatus	TEQIP-III
19	Solid liquid extraction (packed bedtype)	TEQIP-III
20	Stefan Boltzmann Apparatus	TEQIP-III
21	Vapour in air diffusion Apparatus	TEQIP-III
19	Pressure Drop Through Packed Bed Column	TEQIP-III
20	Drag co-efficient Apparatus	TEQIP-III
21	Study of Pressure Measurements	TEQIP-III
22	Study of Friction in pipes	TEQIP-III

Name of the Laboratory:- Advanced Food Analysis Laboratory (DFT Ground

S.No	Name of the equipment	Funded By
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1	Centrifuge	DBT
2	Centrifuge	IUST
3	Spectrophotometer	DBT
4	Spectrophotometer	IUST
5	Texture analyzer	IUST
6	Water activity meter	IUST
7	HPLC	DBT
8	Rheometer	MOFPI
9	Soxhlet apparatus	IUST
10	Water bath	DBT
11	Hot plate	DBT
12	Rotavapour	DBT
13	Kjaltec apparatus	IUST
14	Grinder	IUST
15	Probe sonicator	TEQIP-III
16	IR moisture analyzer	IUST
17	Colorimeter	IUST
18	Analytical balance	DBT
19	FTIR	TEQIP-III
20	Bath sonicator	TEQIP-III
21	Moisture analyzer	IUST

Residue Analysis Lab

S.No	Instrument	Funding Agency
1	Gas Chromatograph	MOFPI
2	UHPLC	MOFPI
3	Triple Quadrupole GCMS/MS	MOFPI

Food Quality Laboratory Analysis I

S.No	Instrument	Source
1	Autoclave	MOFPI
2	Rota vapour	MOFPI
3	Kjeltech	MOFPI
4	pH meter	MOFPI
5	Magnetic Stirrer	MOFPI
6	Water activity meter	MOFPI
7	Water Bath Digital	MOFPI
8	Viscometer	MOFPI
9	Hot Plate	MOFPI
10	Sample mill	MOFPI
11	Sensitive Analytical balance	MOFPI
12	Sonicator	MOFPI
13	Circulatory water bath	MOFPI
14	Refrigerated centrifuge	MOFPI
15	Density meter	MOFPI
16	Auto pipettes	MOFPI

17	UV-VisNIR Spectrophotometer	MOFPI
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S.No	Instrument	Source
1	Refracto meter	MOFPI
2	Shaking Water Bath	MOFPI
3	Hot Air Oven	MOFPI
4	Fiber Tech	MOFPI
5	Weighing Balance	MOFPI
6	Moisture Balance	MOFPI
7	Hunter color Lab	MOFPI
8	MilliQunit	MOFPI
9	Soxtech	MOFPI
10	Muffle furnace	MOFPI