

Information of Infrastructure and Other Resources Available

- Number of Class Rooms and size of each:

Sr. No.	Programme	Level	Building No.	Building Name	Room Type	Room No.	Average Carpet Area (Sqm)	Flooring	Wall & Painting	Elec & lighting	Furniture & Fixtures
1	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Faculty of Technology (Extension)	Classroom	1ST YR (201)	78.09	Ready	Ready	Ready	Ready
2	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Faculty of Technology (Extension)	Classroom	2ND YR (202)	80.20	Ready	Ready	Ready	Ready
3	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Faculty of Technology (Extension)	Classroom	3RD YR (301)	78.09	Ready	Ready	Ready	Ready
4	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Faculty of Technology (Extension)	Classroom	4TH YR (302)	80.20	Ready	Ready	Ready	Ready

- Number of Tutorial rooms and size of each:

1	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Tutorial Room	TR1	50	Ready	Ready	Ready	Ready
2	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Tutorial Room	TR2	50	Ready	Ready	Ready	Ready

- Number of Laboratories and size of each:

SL. No.	Programme	Level	Building No.	Building Name	Room Type	Room No.	Average Carpet Area (Sqm)	Flooring	Wall & Painting	Elec & lighting	Furniture & Fixture
1.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Faculty of Technology (Extension)	Laboratory	EE LAB (010)	67.76	Ready	Ready	Ready	Ready
2.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Faculty of Technology (Extension)	Laboratory	FMP LAB (310)	47.43	Ready	Ready	Ready	Ready
3.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	FMWTTTC, F/Tech	Laboratory	FRM SHD	1000	Ready	Ready	Ready	Ready
4.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Data Not Provided by the Institute	Laboratory	PHE LAB (311)	47.43	Ready	Ready	Ready	Ready

SL. No.	Programme	Level	Building No.	Building Name	Room Type	Room No.	Average Carpet Area (Sqm)	Flooring	Wall & Painting	Elec & lighting	Furniture & Fixture
5.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Faculty of Technology (Extension)	Laboratory	IDE LAB (011)	54.52	Ready	Ready	Ready	Ready
6.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Faculty of Technology (Extension)	Laboratory	PFE LAB (303)	60.37	Ready	Ready	Ready	Ready
7.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Faculty of Technology (Extension)	Laboratory	PHY LAB (205)	56.92	Ready	Ready	Ready	Ready
8.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Faculty of Technology (Extension)	Laboratory	RNW EGY (309)	47.68	Ready	Ready	Ready	Ready
9.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Faculty of Technology (Extension)	Laboratory	CE LAB (005)	83.78	Ready	Ready	Ready	Ready
10.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Faculty of Technology (Extension)	Laboratory	SURVEY (002)	43.98	Ready	Ready	Ready	Ready
11.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Faculty of Technology (Extension)	Laboratory	SWC LAB (305)	39.82	Ready	Ready	Ready	Ready
12.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Faculty of Technology (Extension)	Laboratory	CHM LAB (003)	61.68	Ready	Ready	Ready	Ready
13.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Faculty of Technology (Extension)	Laboratory	HFM LAB (004)	88.55	Ready	Ready	Ready	Ready
14.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Faculty of Technology (Extension)	Laboratory	Hydro LAB (203)	60.37	Ready	Ready	Ready	Ready
15.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Faculty of Technology	Laboratory	MIE LAB (T-01)	50	Ready	Ready	Ready	Ready

• **Number of Drawing Halls with capacity of each:**

SL. No.	Programme	Level	Building No.	Building Name	Room Type	Room No.	Average Carpet Area (Sqm)	Flooring	Wall & Painting	Elec & lighting	Furniture & Fixtures
1	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Faculty of Technology (Extension)	Drawing Hall	CVL DRW (304)	83.78	Ready	Ready	Ready	Ready

Number of Computer Centers with capacity of each:

SL. No.	Programme	Level	Building No.	Building Name	Room Type	Room No.	Average Carpet Area (Sqm)	Flooring	Wall & Painting	Elec & lighting	Furniture & Fixtures
---------	-----------	-------	--------------	---------------	-----------	----------	---------------------------	----------	-----------------	-----------------	----------------------

1.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Faculty of Technology	Laboratory	CAD CAM (T-07)	50	Ready	Ready	Ready	Ready
2.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Faculty of Technology	Laboratory	LPD LAB (T-17)	72	Ready	Ready	Ready	Ready
3.	ENGINEERING AND TECHNOLOGY	UNDER GRADUATE	Data Not Provided by the Institute	Faculty of Technology	Laboratory	COMP LAB (T-06)	72	Ready	Ready	Ready	Ready

- **Central Examination Facility, Number of rooms and capacity of each:**

Central Examination Facility with proper illumination, air circulation, air conditioning, toilets and drinking water facility is available. Number of room is 1 and seating capacity is 150.

- **Barrier Free Built Environment for disabled and elderly persons:**

We have all the classrooms on ground floor with ramp facility for barrier free built environment for differently abled and elderly persons.

- **Occupancy Certificate:** NA

- **Fire and Safety Certificate:** YES

- **Hostel Facilities:**

Sr No.	No. of rooms having Single bed/room & Area of room in sq.m.	Building No.	Name of Building	No. of rooms double bed/room & Area	Building No.	Name of Building	No. of rooms Triple/Three bed/room & Area of room in sq.m.	Building No.	Name of Building	No. of rooms having Four bed/room & Area	Building No.	Name of Building
1	Boys		APCR Hall	28 & 40		APCR Hall	17 & 5		APCR HAL	Boys		APCR Hall
	&									8 & 60		
2	Girl		TEESTA	5		TEESTA	2		TEEST	Girls		

- **Library**

- Number of Central Library books/ Titles/ Journals available (program-wise): 3265
 - No of Faculty library books- 177
- E- Library facilities: NA

- **Laboratory and Workshop:**

- **List of Major Equipment/Facilities in each Laboratory/ Workshop**

SL. No.	<u>Name of the Major Instrument/Machine/Software Available</u>
1.	The laboratory has 16 number of personal computers connected with LAN and 1 GBPS internet bandwidth
2.	The laboratory has Auto CAD software and 8 number of personal computers connected with LAN and 1 GBPS internet bandwidth. Projectors and television screen are also available for better visualization

SL. No.	<u>Name of the Major Instrument/Machine/Software Available</u>
3.	Travelling Microscope
4.	Spectrometer
5.	Carey Foster Bridge
6.	Fresnel Bi-prism, Leaser
7.	Convex Lens and Optical Bench
8.	Screw Gauge
9.	1)Burette,2) Pipette, 3) Conical flusk 4) Beaker of different sizes 5) Volumetric Flusk 6) Digital weigh Electronic Balance) machine, 7)Water Distillation Unit, 8) Vacuum Desiccator, 9)Viscometer, 10) Hot air Oven,11)Modified Heater 12) Funnel, Watch glass, Glass rod, dropper, Spatula, Measuring Cylinder, Test tube etc.
10.	V-I characteristics trainer kit.
11.	Half wave, Full wave and Bridge rectifier trainer kit
12.	Clipper and Clamper trainer kit
13.	IC 741 inverting and non-inverting amplifier trainer kit
14.	Differentiator and Integrator trainer kit
15.	Differential amplifier trainer kit
16.	Zener diode trainer kit
17.	Compression Testing Machine
18.	Vicat apparatus
19.	Direct Shear Test Apparatus
20.	Consolidation test apparatus
21.	Unconfined compression test apparatus
22.	Vane shear test apparatus (laboratory scale)
23.	IS Sieve set and sieve shaker
24.	Hydrometer set
25.	Core Cutter
26.	Sand replacement cone
27.	Proctor mould
28.	Permeameter
29.	Lathe
30.	Milling Machine
31.	Shaper Machine
32.	Drilling Machine
33.	Grinding Machine
34.	Hydraulic Hacksaw
35.	Melting Furnace
36.	Arc Welding Transformer
37.	Bench Vice, Hacksaw, Saw, File, Try Square, Jack Planner,
38.	Tap and Dies

SL. No.	<u>Name of the Major Instrument/Machine/Software Available</u>
39.	Cut model of 4-stroke diesel engine, 2-stroke petrol engine, Exhaust manifold, Oil filter, Fuel filter, Coupling flange, Cylinder head, Rocker box, Cylinder, Piston, Piston ring, Connecting rod, Gasket, Dashboard, Fly wheel
40.	Inlet valve, Exhaust valve, Valve spring, Push rod, Tappet, Crankshaft, Camshaft with cam gear Rocker box
41.	Pyknometer, Redwood viscometer, Pensky martine flash and fire point apparatuses, bomb calorimeter, Centrifuge, Titration unit (all available at Renewable Energy lab)
42.	Wet type air cleaner, Intel manifold
43.	Fuel injector, Governor
44.	Fuel injector, fuel pump
45.	Radiator and its fan
46.	Oil filter, oil pump, oil sump etc
47.	Open Model of tractor transmission system (available at Farm Implement shed)
48.	Open Model of tractor transmission system (available at Farm Implement shed)
49.	Open Model of tractor transmission system (available at Farm Implement shed)
50.	Open Model of tractor transmission system (available at Farm Implement shed)
51.	Open Model of tractor transmission system (available at Farm Implement shed)
52.	Steering wheel, Steering box
53.	Biogas burner
54.	Parabolic solar cooker
55.	Box type solar cooker
56.	Penske martin flash and fire point apparatus
57.	Water bath heater
58.	Titration units
59.	Bomb calorimeter
60.	Centrifuge
61.	Muffle furnace (available at Mechanical workshop)
62.	Gasifier (available at Farm Implement shed)
63.	Biogas plant
64.	Magnetic stirrer Digital balance Desiccator Double distillation, unit, Electronic pipette Bottle dispenser
65.	Pyknometer
66.	MB plough, dice plough, rotavator, sub-soiler, chisel plough, different types cultivator, offset disc harrow, Paddy trans-planter, Workshop tools, seed drill, potato planter, potato harvester, multi-crop thresher, plant protection implements etc

SL. No.	<u>Name of the Major Instrument/Machine/Software Available</u>
67.	Three-point hitching system
68.	MB plough, dice plough, Dice Harrow, Rotavator, sub-soiler, chisel plough
69.	Paddy transplanter, seed drill, potato planter
70.	Paddy transplanter,
71.	Knapsack sprayer, Power sprayer, Power weeder, Foot sprayer
72.	Seed cum fertilizer drill
73.	Lawn mower
74.	Reaper
75.	Multi-crop thresher, Maize Sheller,
76.	Potato digger
77.	Three model of tractor, namely, Mahindra and Mahindra (Bhoomiputra and Yuvraj), John deer.
78.	Farm Instructional field
79.	Different facilities of Farm Power lab, Farm implement shed.
80.	Tilting flume (5 m)
81.	Parshall Flume
82.	Cut-throat flume
83.	V-notch, Rectangular and Trapezoidal weirs
84.	Water meter
85.	Venturi and Orifice meter
86.	5 HP diesel pump, 0.5 HP and 10 HP electric pumps
87.	Hand tubewell
88.	Submersible pump
89.	Model of cup type current meter
90.	Water level indicator
91.	Table top and hand-held pH meters
92.	Table top and hand-held EC meters
93.	Pressure plate apparatus
94.	Tensiometer
95.	Gypsum blocks
96.	FDR Soil moisture meter
97.	Pan evaporimeter
98.	Symon's raingauge
99.	Recording type raingauge
100.	Double ring infiltrometer

SL. No.	<u>Name of the Major Instrument/Machine/Software Available</u>
101.	Model of hydraulic ram
102.	Hydrometer with accessories
103.	Soil sieves
104.	Model of drop spillway
105.	Soil augars
106.	Model of rooftop rainwater harvesting system
107.	Pseudo-range GPS receiver
108.	Components of drip irrigation systems
109.	Components of sprinkler irrigation systems
110.	Primary and secondary filters for micro-irrigation
111.	Archimedian screw model
112.	Jet pump model
113.	Model of tubewell
114.	Air lift pump model
115.	Suppressed weir model
116.	Table top mechanical sieve shaker
117.	Weighing balance
118.	Rice Sheller
119.	Rice Polisher
120.	Constant Temperature Water Bath
121.	Weighing Balance
122.	Micro-Wave Oven
123.	Induction Oven
124.	Vaccum Desiccator
125.	Desiccator
126.	Lactometer
127.	Magnetic Stirrer
128.	Centrifuge
129.	Tray Dryer (Presently installed at Workshop)
130.	Carbonation Unit (Presently installed at Workshop)
131.	Auto Clave/Sterilizer (Presently installed at Workshop)
132.	Temperature Indicator
133.	Mixer Grinder
134.	Refractometer
135.	Refrigerator
136.	Deep Frezer
137.	Drawing Board (20 No.'s), Tee Scale (23 No.'s)

SL. No.	<u>Name of the Major Instrument/Machine/Software Available</u>
138.	Metric Chain, Engineer's Chain, Ranging Rod, Arrow
139.	Prismatic compass and accessories
140.	Plane Table and accessories
141.	Auto level and Dumpy level
142.	Theodolite
143.	Cut Model of The Tractor
144.	Power Weeder
145.	Tractor Operated Pneumatic Seed Drill
146.	Zero till Seed Drill (Happy Seeder)
147.	Vegetable Transplanter
148.	Rice Transplanter
149.	Tractor Operated Automatic Potato Planter
150.	Tractor Operated Automatic Potato Digger
151.	Combine Harvester
152.	Reversible Mould Board Plough
153.	Mulcher
154.	4-Wheel Drive Tractor (70 HP)
155.	4-Wheel Drive Tractor (28 HP)
156.	Engine Performance Testing Machine
157.	Multipurpose Seed Drill
158.	Vertical Conveyor Reaper Binders
159.	Oxy-Acetylene Gas Welding
160.	Gasifier Plant (100KV)

• **List of Experimental Setup in each Laboratory/ Workshop:**

Sl. No.	Name of the Laboratory	Carpet Area (Sq. m)	Instrument/Machine/Software Used For with Course Number
1.	Language and Personality Development Lab	72 Sq.m.	1. Listening and note taking (ENG 151) 2. Oral presentation skills (ENG 151) 3. Group discussions (ENG 151) 4. Seminar and Lectures for Different Courses
2.	Computer Laboratory	72 Sq.m.	1. Basics of HTML and basics of JAVA script language (CSE 201) 2. Internet Applications (CSE 201) 3. C programming and data structures (CSE 351)
3.	Advanced Computation Laboratory	48.19 Sq.m.	All the practical of the course Auto CAD Applications (ME 301) are performed except problems on CNC machine

Sl. No.	Name of the Laboratory	Carpet Area (Sq. m)	Instrument/Machine/Software Used For with Course Number
4.	Engineering Physics Laboratory	21 Sq. m.	Determination of refractive index of Solid and Liquid. (PHY 101)
			Determination of refractive index of prism. (PHY 101)
			Determination of unknown Resistance (PHY 101)
			Determination of wavelength of unknown radiation. (PHY 101)
			Determination of Power of a Convex Lens. (PHY 101)
			Determination of Cross-sectional of area of a thin wire. (PHY 101)
5.	Engineering Chemistry Laboratory	42.9 Sq.m	Engineering Chemistry Laboratory, Course No-CHEM-101, 3(2+!). 1)Perkin Elmer FT-IR spectrometer (RX-1) to be used. 2)JASCOV-530UV-VIS spectrophotometer, 3) Digital Viscometer to be used 4) Pipette pump/ Sucker 5) Air dryer 6) Micro pipette , 7) Graduated pipette 8) Modified Burette with Pump 9) Boro -Silicate double distillation Set, 10) Conical flask, Volumetric Flask Digital weigh (Electronic Balance) machine, Vacuum Desiccator, Hot air Oven, etc. 11) Funnel, Watch glass, Glass rod, dropper, Spatula, Measuring Cylinder, Test tube etc
6.	Electrical Engineering Laboratory	104 Sq.m.	To obtain load characteristics of d.c. shunt/series/Compound generator (EE 101)
			To Study characteristics of DC shunt/series motors (EE 101)
			Verification of Summing Amplifier (EE 351)
			To study the V-I characteristics of P-N junction diode (EE 351)
			To study half wave, full wave and bridge rectifier (EE 351)
			To study a diode as Clipper and Clamper (EE 351)
			To study a OP-AMP IC 741as inverting and non inverting amplifier (EE 351)
			To study OP-AMP as differentiator and integrator (EE 351)
			To study a differential amplifier using two transistor (EE 351)
			To verify the Inverting and Non-Inverting Amplifier (EE 351)
7.	Civil Engineering Laboratory	30.5 Sq.m.	Compressive strength of cement and concrete
			Setting time of cement
			Shear Strength of soil

Sl. No.	Name of the Laboratory	Carpet Area (Sq. m)	Instrument/Machine/Software Used For with Course Number
			Consolidation of soil
			Unconfined compressive strength of soil
			Undrained shear strength of clay
			Gradation of soil
			Hydrometer analysis for fine grained soil
			Field density of soil
			Field density of soil
			Compaction properties (MDD and OMC) of soil
			Permeability of soil
8.	Mechanical Workshop (Workshop Technology and Practice) (ME 151)	822.51 Sq.m.	Practical jobs on simple turning, step turning; Practical job on taper turning and threading. (ME 151)
			Demonstration of important operations on a Milling Machine, gear tooth forming and indexing. (ME 151)
			Operations on shaper, changing a round MS rod into square section on a shaper. (ME 151)
			Practical job on drilling, Operations of drilling. (ME 151)
			Metal removal operation (ME 151)
			Metal cutting operation (ME 151)
			Moulding and casting operation. (ME 151)
			Jobs on arc welding – Lap joint, Butt joint, T joint and corner joint. (ME 151)
			Fitting job (MS Flat) and Carpentry job (Joint Formation). (ME 151)
			Threading with Tap and Dies. (ME 151)
9.	Farm Machinery and Power Laboratory	40.04 Sq.m.	Introduction to different systems of CI engines; Engine parts and functions, working principles etc (FMP201)
			Valve system – study, construction and adjustments; (FMP201)
			Study of Oil & Fuel – determination of physical properties (FMP201)
			Study of Air cleaning system (FMP201)
			Fuel supply system of SI and CI engine (FMP201)
			Diesel injection system & timing (FMP201)
			Cooling system, and fan performance (FMP201)
			Lubricating system & adjustments (FMP201)
			Introduction to transmission systems and components (FMP 301)
			Study of clutch functioning, parts and design problem on clutch system; (FMP301)

Sl. No.	Name of the Laboratory	Carpet Area (Sq. m)	Instrument/Machine/Software Used For with Course Number
			Study of different types of gear box, calculation of speed ratios, design problems on gear box; (FMP301)
			Study on differential and final drive and planetary gears; (FMP301)
			Study of brake systems and some design problems; (FMP301)
			Steering geometry and adjustments (FMP301)
10.	Renewable Energy Laboratory	33.48 Sq.m	Study of biogas and its properties. (FMP202)
			Study of different types of solar cookers. (FMP202), (FMP 252)
			Study of different types of solar cookers. (FMP202), (FMP 252)
			Study of flammable properties of biodiesel and biofuel. (FMP202), (FMP 252)
			Study of biodiesel production unit
			Estimation of FFA, Acid value of vegetable oil and biodiesel. (FMP202)
			Estimation of calorific value of biofuel. (FMP 252)
			Estimation of sediments content in biofuel. (FMP 252)
			Estimation of ash content in biofuel (FMP 252)
			Performance evaluation of biomass gasifier (FMP 352)
			Performance evaluation of a fixed dome type biogas plant (FMP 352)
			Used as supportive tools for conducting various experiments
			Estimation of density and specific gravity of different fuel. (FMP202)
11.	Farm Implement Shed	588 Sq.m.	Familiarization with different farm implements and tools. (FMP 251)
			Study of hitching systems, (FMP 251)
			Study of primary and secondary tillage machinery – construction, operation, adjustments and calculations of power and draft requirements. (FMP 251)
			Study of sowing and planting equipment – construction, types, calculation for calibration and adjustments. (FMP 251)
			Study of transplanters – paddy (FMP 251)
			Familiarization with plant protection and interculture equipments, Familiarization with manual and powered weeding equipment and identification of functional components. (FMP 302)
			Study of fertilizer application equipment including manure spreaders and fertilizer broadcasters. (FMP 302)

Sl. No.	Name of the Laboratory	Carpet Area (Sq. m)	Instrument/Machine/Software Used For with Course Number
			<p>Study of various types of mowers, reaper, reaper binder. (FMP 302)</p> <p>Study of functional components of mowers and reapers. (FMP 302)</p> <p>Familiarization with threshing systems, cleaning systems in threshers. Calculations of losses in threshers. (FMP 302)</p> <p>Study of root crop diggers and familiarization with the functional units and attachments. (FMP 302)</p> <p>Familiarization with different makes and models of agricultural tractors. Identification of functional systems including fuels system, cooling system, transmission system, steering and hydraulic systems. Study of maintenance points to be checked before starting a tractor. Familiarization with controls on a tractor. Safety rules and precautions to be observed while driving a tractor. (FMP 303)</p> <p>Driving practice of tractor. Practice of operating a tillage tool (mould-board plough/ disc plough) and their adjustment in the field. Study of field patterns while operating a tillage implement. Hitching & De-hitching of mounted and trail type implement to the tractor. Driving practice with a trail type trolley – forward and in reverse direction. (FMP 303)</p> <p>Introduction to tractor maintenance – precautionary and break-down maintenance. Tractor starting with low battery charge. Introduction to trouble shooting in tractors. Familiarization with tools for general and special maintenance. Introduction to scheduled maintenance after 10, 100, 300, 600, 900 and 1200 hours of operation. Safety hints. Top end overhauling. Fuel saving tips. Preparing the tractor for storage. Care and maintenance procedure of agricultural machinery during operation and off-season. Repair and maintenance of implements – adjustment of functional parameters in tillage implements. Replacement of broken components in tillage implements. Replacement of furrow openers and change of blades of rotavators. Maintenance of cutter bar in a reaper. Adjustments in a thresher for different crops. Replacement of V-belts on implements. Setting of agricultural machinery workshop. (FMP 303)</p>

Sl. No.	Name of the Laboratory	Carpet Area (Sq. m)	Instrument/Machine/Software Used For with Course Number
12.	Soil and Water Engineering Laboratory	33.48 Sq.m	1. To study the characteristics of open channel flow (SWC 251) 2. Flow measurement in open channels (SWC 251) 3. Open channel hydraulics (CE 151)
			Measurement of flow in open channels (SWC 251)
			Measurement of flow in open channels (SWC 251)
			Measurement of flow in open channels (SWC 251)
			Flow measurement in pipes (SWC 251)
			Principle of flow measurement in pipes (SWC 251)
			To study different types of pumps (SWC 301)
			To study different types of pumps (SWC 301)
			To study different types of pumps (SWC 301)
			To study the principle of velocity measurement in channels (SWC 251)
			Measurement of depth of groundwater level (SWC -301)
			To measure the acidity/alkalinity of soil and water (SWC 351)
			To measure the salinity of soil and water (SWC 351)
			To prepare soil moisture characteristic curve (SWC 251)
			To measure soil moisture tension (SWC 251)
			Principle of soil moisture content measurement (SWC 251)
			Precise measurement of soil moisture content (SWC 251)
Measurement of Pan Evaporation (SWC 202)			

Sl. No.	Name of the Laboratory	Carpet Area (Sq. m)	Instrument/Machine/Software Used For with Course Number
			Study of non-recording raingauge (SWC 202)
			Study of recording raingauge (SWC 202)
			Measurement of infiltration (SWC 202)
			Working principle of hydraulic ram (SWC 301)
			To perform particle size distribution test of soil (SWC 201 and SWC 301)
			To perform particle size distribution test of soil (SWC 201 and SWC 301)
			Study of different parts of drop spillway (SWC 352)
			To dig augar holes and soil sampling purpose (SWC 251 and SWC 351)
			To study the process of rooftop rainwater harvesting and its use (SWC 302)
			To obtain geographic location of a place (SWC 302 and SWC 454)
			Study and performance evaluation of drip irrigation systems (SWC 252)
			Study and performance evaluation of sprinkler irrigation systems (SWC 252)
			To study different types of filters used in micro-irrigation systems (SWC 252)
			Study of water lifting devices (SWC 301)
			Study of water lifting devices (SWC 301)
			Design of tube well (SWC 301)
			Study of water lifting devices (SWC 301)
			Study of different types of weir openings (SWC 352)
			To perform particle size distribution test of soil (SWC 201 and SWC 301)
			Used for weighing for different experiments
13.	Processing and Food Engineering Laboratory	54.39 Sq.m.	Study of different size reduction machines and performance evaluation
			Study of different size reduction machines and performance evaluation
			Supportive equipment used for other experiments
			Measurement of moisture content
			Measurement of moisture content
			Used in ELP
			Determination of EMC
			Determination of EMC
			Study of milk properties
			Supportive equipment used for other experiments
			Study of milk properties

Sl. No.	Name of the Laboratory	Carpet Area (Sq. m)	Instrument/Machine/Software Used For with Course Number
			Study on drying characteristics of grains and determination of drying constant
			Used in ELP
			Used in ELP
14.	Engineering Drawing Laboratory	66.78 Sq.m	All drawings regarding Engineering Drawing. (ME 101)
15.	Surveying and Levelling Laboratory	120 Sq.m.	Chain surveying
			Compass surveying
			Plane table surveying
			Levelling
			Theodolite surveying

- **Computing Facilities:** Yes
- **Internet Bandwidth:** 1 GBPS
- **Number and configuration of System:**
24 and ROM -500 GB, RAM- 4 GB, Processor- Intel® Core™ i3-4160 CPU@ 3.60 GHz
System type- 64-bit OS, Windows 7 Professional
- **Total number of systems connected by LAN:** 50
- **Total number of systems connected by WAN:** NA
- **Major software packages available:**
 - Auto CAD
 - ISIL communication skill
 - DEV-C++
- **Special purpose facilities available:**
 - Central instrument Facility
 - Personal Development Skill Facility
- **Innovation Cell:** NA
- **Social Media Cell:** NA
- **Compliance of the National Academic Depository (NAD), applicable to PGCM/ PGDM Institutions and University Departments:** NA
- **List of facilities available:**
 - Games and Sports Facilities: YES
 - Extra-Curricular Activities: YES
 - Soft Skill Development Facilities: YES

Room details of Faculty of Technology building and extension –

Room No.	Details of room	Remarks
001	Refrigeration and Air Conditioning Laboratory	Ground Floor
002	Surveying and Levelling Laboratory	
003	Engineering Chemistry Laboratory	
004	Hydraulics and Fluid Mechanics Laboratory	

Room No.	Details of room	Remarks
005	Civil Engineering Laboratory	
006	Male Toilet	
007	Female Toilet	
008	Electric Panel Room	
009	Store Room	
010	Electrical and Electronics Engineering Laboratory	
011	Irrigation and Drainage Engineering Laboratory	
101	Examination Hall	
105	Meeting Room	
106	OFFICE	
107	Female Toilet (Students)	
108	Male Toilet (Staff)	
109	PANTRY	
112	Waiting Lounge	
113	Sick Room	2nd Floor
201	Class Room (1st Year)	
202	Class Room (2nd Year)	
203	Hydrology Laboratory	
204	Faculty Library	
205	Engineering Physics Laboratory	
206	Female Toilet (Staff)	
207	Male Toilet (Student)	
211	Artificial Intelligence & IoT Laboratory	
301	Class Room (3rd Year)	
302	Class Room (4th Year)	
303	Food and Dairy Engineering Laboratory	
304	Engineering Drawing Hall	
305	Soil and Water Conservation Engineering Laboratory	
306	Female Toilet	
307	Male Toilet	
308	Agriculture Structure and Environment Control Laboratory	
309	Renewable Energy Laboratory	
310	Farm Power Laboratory	
311	Post-Harvest Engineering Laboratory	

Old Building of F/Tech --

Room No.	Details of room	remarks
T-01	Micro Irrigation Laboratory	Ground floor
T-03	Female Toilet (Students)	
T-04	Male Toilet (Students)	
T-06	Computer Laboratory	
T-07	CAD Laboratory	1st floor
T-13	Female Toilet (Staff)	
T-14	Male Toilet (Staff)	
T-17	Personality Development Laboratory	