



Cut section model of Floating dome biogas plant for practical and demonstration purpose



Abel flash point appertus used for determining the close cup flash point of Petroleum



Cut section model of up draft

gasifier for practical and

demonstration purpose

Thermo gravimetric analyzer used for determining a material's thermal stability and its fraction of volatile components



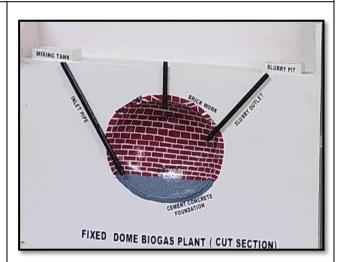
Improved biomass cookstove

used for cooking purpose

Briqutting machine to produce white coal (small size briqutes)

Instruments/Equipments/Devices at Renewable Energy Engineering Laboratory





Wind Mill for generation of electricity using wind energy







Abel flash point appertus used for determining the close cup flash point of Petroleum



Improved biomass cookstove used for community cooking purpose

Solar powered temperature scanner used for temperature mesurement



SPV powered baby solar dryer for drying of agro products

Laboratories under Department of Renewable Energy Engineering



Biomass Laboratory

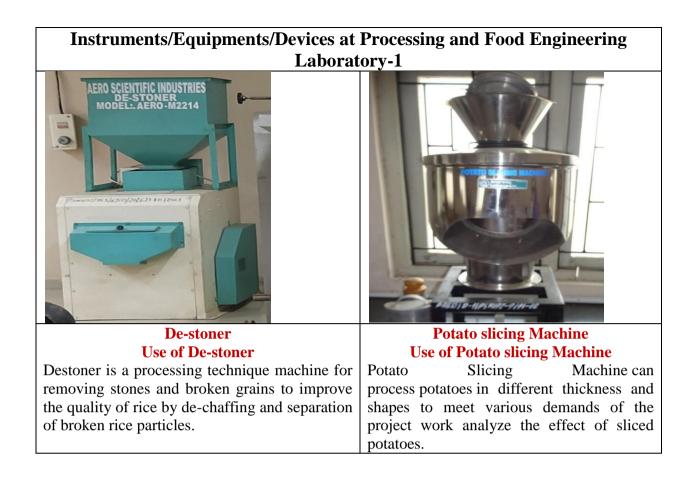
Biomass Laboratory





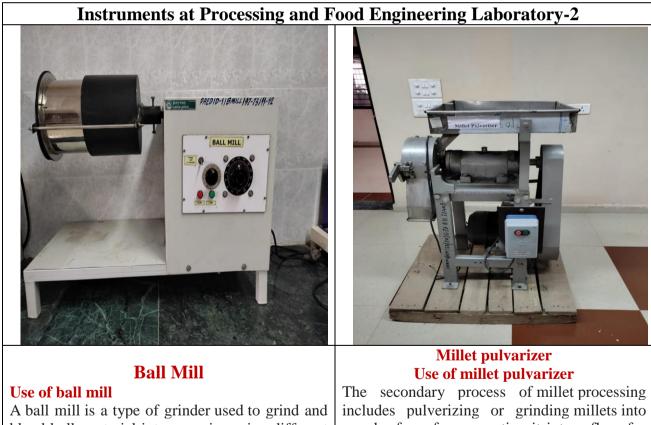












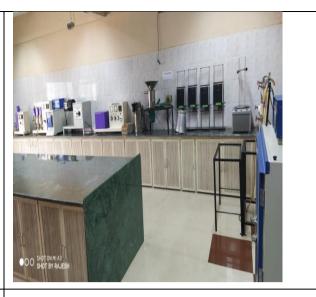
blend bulk material into nanosize using different sized balls commonly used for crushing and grinding materials into an extremely fine form.

powder form for converting it into a flour for human consumption.



Grain processing and structure Lab The labs are utilised for to conduct the practicals of Polytechnic, B. Tech, M. Tech and Ph. D students

Grain processing includes dry and wet milling, air scsreen grain claeners, diggerent types of separators, dryers for the processing of primary and secondaryagricultural produce.

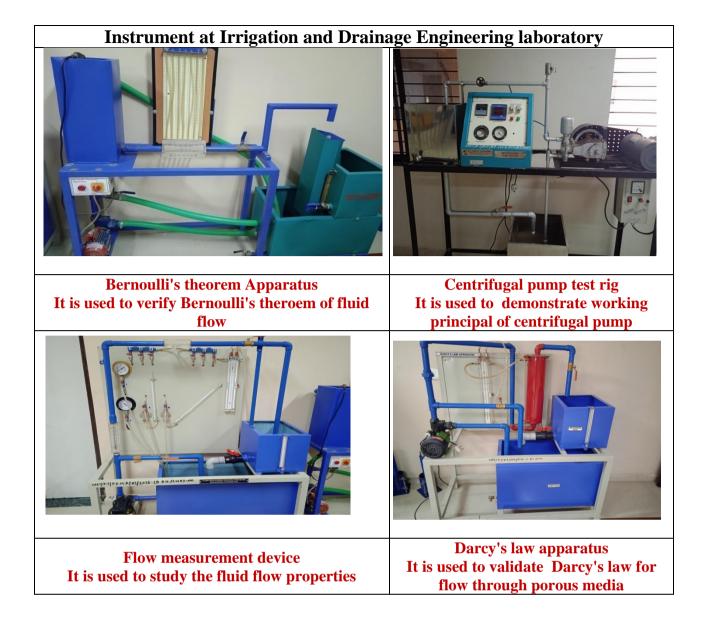


Food process engineering Lab

Food process engineering includes boiling, cooking, steaming, baking, frying, extrusion, flaking, roasting, fermentation, malting or sprouting,brewing drying and other important unit operatios to preparde goog qyality process products.



Food analysis Lab Food analysis lab is used to determine the nutritional and organoleptic qualities of the processed food materials at optimum level **Post Harvest Technology Lab** Post Harvest Technology Lab All the unit operations of agricultural processing carrid out.





Department of Basic Engineering and Applied Sciences Laboratories Instrument/ Equipments at Mechanical Engineering laboratory



Refrigeration Test Rig It is used to find actual and theritical coofficient of performance



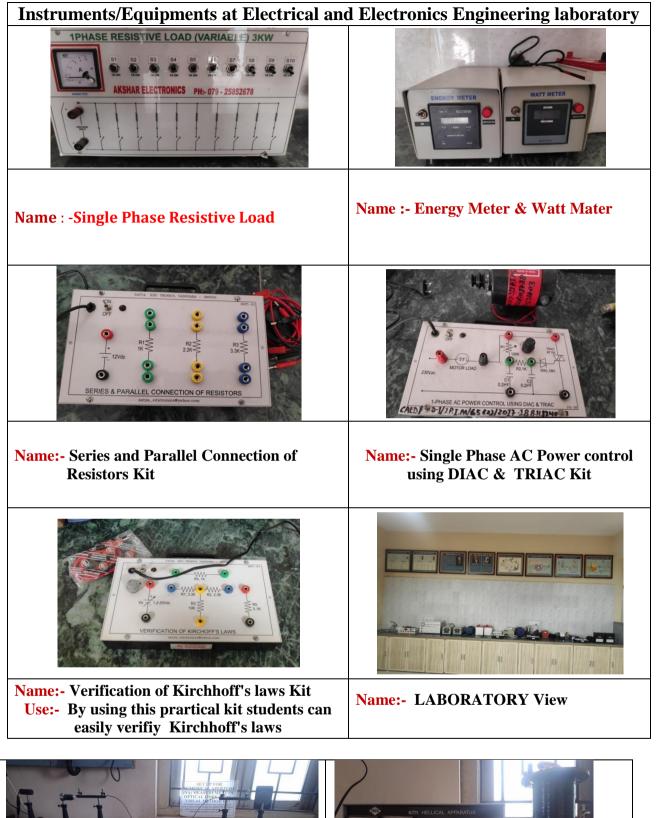
Window Air Conditioner Test Rig It is used to find actual and theritical coofficient of performance

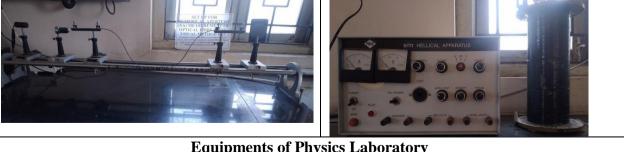




Vapour Absorption Refrigeration System







Equipments of Physics Laboratory







Boys Hostel



Girls'Hostel