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Prairie View A&M University

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Lab Facilities in Pictures



NC Milling Machine



Centrifugal Pump System

Used for studying the operation and characteristics of centrifugal pumps.



Heat Pipe System

Used in the experimental investigation of the performance of heat pipes



Manufacturing Lab



Lathe in the Manufacturing Lab



Thermal Science Demonstration Unit

Used for experimental demonstration of conduction and convection heat transfer, evaporative cooling, open cycle refrigeration system, and heat capacities of various metals.



Refrigeration and heat Pump Demonstration Unit

Used for the analysis of thermodynamic cycles including refrigeration system operation, heat pump system operation, phase change observation, pressure/temperature/ flow instrumentation, and thermal system efficiency study.

PACE Teamcenter Lab



This lab offers a state-of-the-art collaborative engineering design environment. It includes a Tandberg video conference and distance learning system, 25 high-end workstations, and various engineering software such as NX, Hyperworks, ANSYS, ADAMS, etc.

Facilities:



- Hardware

Two High-end Sun servers
(x2100)

Twenty Five High-end HP
engineering workstations

Tandberg Video conference
system

- Software

Unigraphics NX3 (CAD)

Teamcenter Community 5.2
(Collaboration)

MAC. ADAMS, Altair.

Hperworks, and ANSYS
(CAE)

Video and audio conferencing
software

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