



GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING (Autonomous)

Approved by AICTE & Affiliated to Andhra University, Visakhapatnam from 2022-23


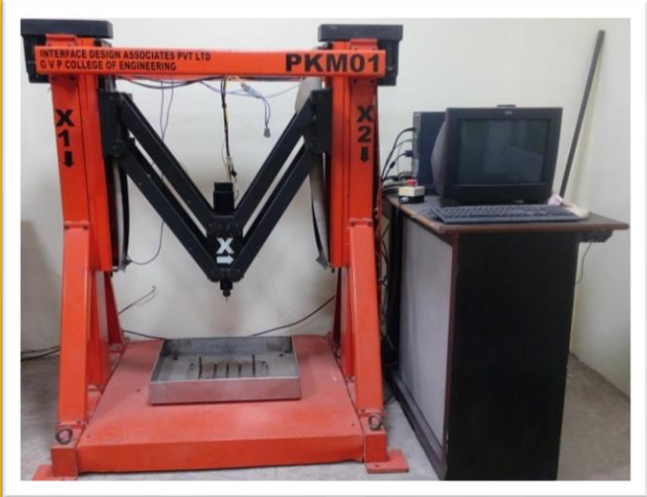
(Affiliated to JNTUK, Kakinada upto 2021-22)

Re-accredited by NAAC twice with 'A' Grade with a CGPA of 3.47/4.00

Madhurawada, Visakhapatnam - 530048

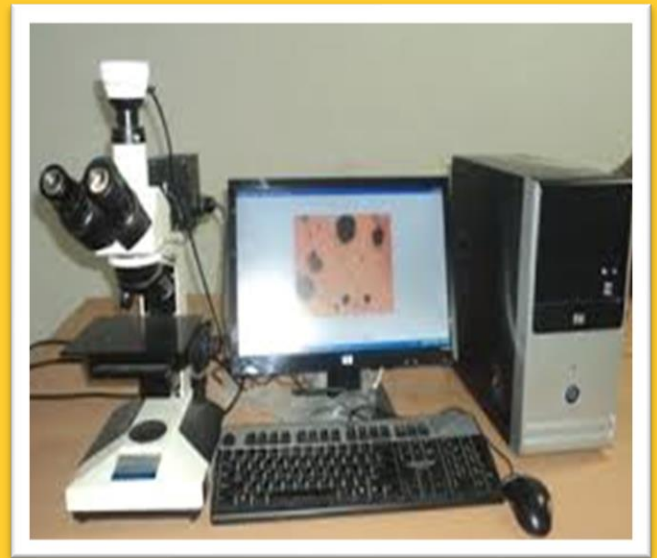
DEPARTMENT OF MECHANICAL ENGINEERING

RESEARCH FACILITIES AVAILABLE

S. No.	Name of the Equipment	
1.	GMAW Machine with Rotating Arc Mechanism	
2.	Parallel Kinematic Machine (2 – DOF)	

3.

**Metallurgical
Microscope for
Micro-
Structural
Analysis with
all necessary
Software**



4.

**Translational
Parallel
Kinematic
Machine
(3 – DOF)**



5.

**Computerized
Variable
Compression
Ratio direct
injection
engine with
EGR**



6.

**Electronic
Injection kit
with CRDI
system**



7.

**Turbo Air
Charging
System with Air
Heating**



8.

**Five Gas
Analyzer for
measuring CO,
HC, NOx and
CO2 Emissions**



9.

**Diesel Smoke
meter**



10.

Vibration Analyzer (FFT)



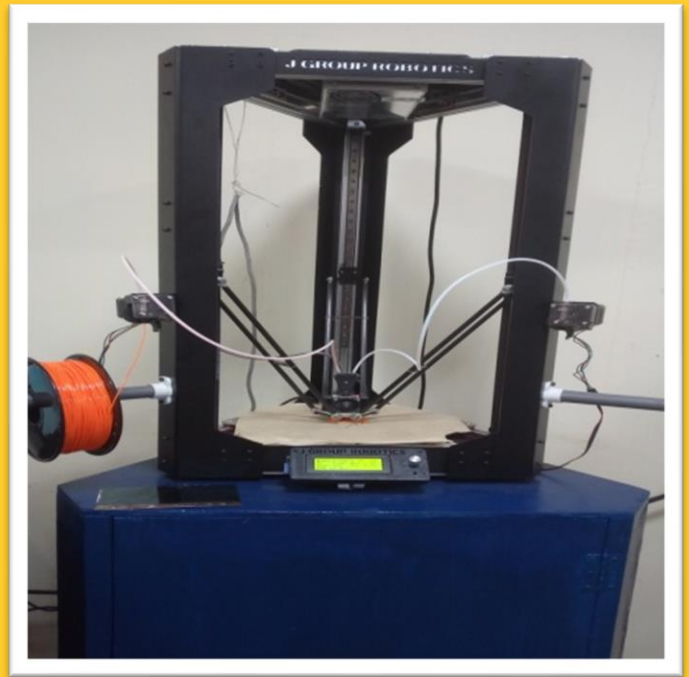
11.

Pin/Ball On Disc Apparatus for Measurement Of Friction & Wear By Varying Temperature, Sliding Speed & Load



12.

Delta Robot-3D Printing Machine



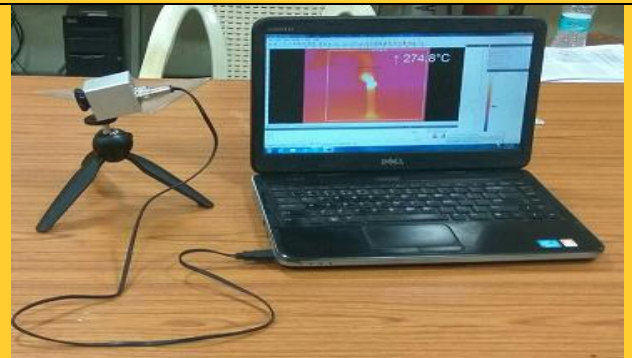
13.

Taly surf Surface Roughness Tester – Surf test SJ301



14.

OPTRIS PI-60 Thermal Imaging Camera



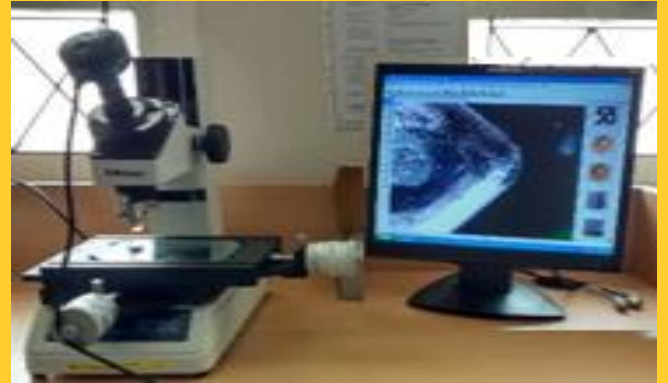
15.

Ultrasonic Probe Sonicator



16.

Tool Makers Microscope with camera and image analysis



17.

Solar Air Heater with thermal energy storage and food chamber



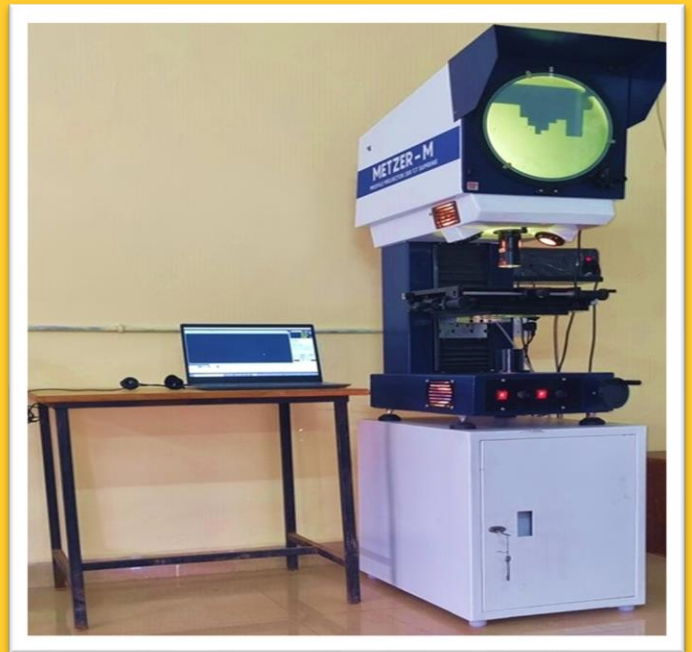
18.

**Faro Gage
portable
Coordinate
Measuring
Machine
(CMM) with
CAM2 Smart
Inspect pro**



19.

**PROFILE
PROJECTOR
Vision Plus
METZ-300 TT
Supreme with
METZER-M
EDGE
SOFTWARE**



20.

Ultrasonic Plastic and Metal Welding Machine



21.

6 DOF Articulated Arm



22.

4 DOF SCARA



23

BOTTOM POURING TYPE MELTING /CASTING MACHINE

