



Jawaharlal Nehru Technological University Kakinada
Kakinada – 533003, Andhra Pradesh

Recognizes

Department of Mechanical Engineering
Gudlavalleru Engineering College, Gudlavalleru

As
RESEARCH CENTRE

For the
Academic Years 2021-22 & 2022-23

Kakinada
19th March, 2022




REGISTRAR
REGISTRAR
J.N.T. University Kakinada
Kakinada-533003



Jawaharlal Nehru Technological University, Kakinada
Kakinada – 533 003, Andhra Pradesh

recognizes

Department of Mechanical Engineering

Gudlavalleru Engineering College

Seshadri Rao Knowledge Village

Gudlavalleru-521356

as a research centre

for the academic years
2019-20 & 2020-21

Kakinada
30th October, 2019


Registrar
REGISTRAR
J.N.T. University Kakinada
KAKINADA-533 003.



Jawaharlal Nehru Technological University, Kakinada
Kakinada – 533 003, Andhra Pradesh

recognizes

Department of Mechanical Engineering
Gudlavalleru Engineering College, Gudlavalleru

as a research centre

for the academic years
2016-17 & 2017-18

Kakinada
15th February, 2017


Registrar
REGISTRAR
J.N.T. University Kakinada
Kakinada - 533 003

Ph.D Supervisors and co-supervisors

S. No.	Name of the supervisor / co-supervisor	Name of the Research scholar	Registered University	Status
1	Dr. P. Ravindra Babu	P.N.S. Srinivas	JNTUK, Kakinada	Awarded in 2021
		T. Nagaraju	Annamalai University	Ongoing
		A. Rajesh		Ongoing
2	Dr. P. Nageswara Reddy	Dr. Y.V. Hanumantha Rao	JNTUH, Hyderabad	Awarded in 2009
		Dr. M. Harinadha Reddy	JNTUA, Anantapur	Awarded in 2014
3	Dr. A. Jawahar Babu	S. Sridhar	JNTUK, Kakinada	Ongoing
		B. Kiran Babu		Awarded in 2022
4	Dr. K. Syam Sundar	D. Tarun	Annamalai University	Ongoing
5	Dr. M.R.Ch. Sastry	B.V.S. Raghu Vamsi	Annamalai University	Ongoing
		R. Jithendra Kumar		Ongoing
		N. Premdasu		Thesis submitted
		A. Rahul Kumar	JNTUK, Kakinada	Ongoing
6	Dr. J.A. Ranga Babu	G.E.V. Ratna Kumar	Annamalai University	Ongoing
		K. Manoj Kumar		Ongoing
		P. Ravi Kumar	KL University, Vaddeswaram	Ongoing

1. Material Testing Research centre

Major Equipment :
Bottom Pouring Stir Casting Machine with Ultrasonic Vibrator
Computerized Universal Testing Machine with Digital Extensometer
Inverted Metallurgical Microscope
Pin on Disc Wear Test Apparatus
High Temperature Tubular Furnace

2. Bio-fuel research centre

Major Equipment :
Computerized Variable Compression Ratio Single Cylinder Diesel Engine Test rig
Smoke Meter
Exhaust gas analyzer
Waste Plastic to Fuel Unit

3. Computational Facilities

S.No.	Description of Computers	Nos.
1	<u>HP Z240T Workstation:</u> Intel Core i7-7700, 7 th Gen Processor, 64 GB RAM (4 x 16) 2400 MHz DDR4 / 1 TB SATA HDD (7200 RPM) / Nvidia Quadro P1000, 4GB Graphic Card	01
2	<u>HP Z240T Workstation:</u> Intel Core i7-7700, 7 th Gen Processor, Intel C236 Chipset / 16 GB RAM (2 x 8) 2400 MHz DDR4 / 1 TB SATA HDD (7200 RPM) / Nvidia GTX 1050 T1, 4GB DDR5 Graphic Card	36
3	<u>HP ZBOOK 15U G4 Mobile Workstation</u> Intel Core i5, 7 th Gen, 7200 Processor, 16GB DDR4 RAM, 1TB HDD, AMD 2GB Graphics Card	36
4	Acer verition M200 (Intel i5 4 th Generation Processor/16GB RAM/1TB HDD/18.5" LED Monitor)	38
5	Acer verition M200 (Intel i5 4 th Generation Processor/8GB RAM/500GB HDD/18.5" LED Monitor)	24
6	Dell Optimax 3040 MT – SERVER (Intel core i7 6 th Generation Processor/ 16GB RAM/1TB HDD/20" LED Monitor)	01
7	Acer verition Intel Dual Core Processor 4GB RAM, 500 GB HDD	80
Total Computers - 216		

4. Softwares

S.No.	Software	No. of Users
1	MATLAB 2018b	72
2	ANSYS 21.0	25
3	SOLIDWORKS	60
4	Solid Edge	Unlimited
5	Proge CAD Professional	Unlimited
6	Dassault 3D Experience Platform	72

5. Major Equipment

S.No.	Name of the equipment	S.No.	Name of the equipment
1	Stir Casting Furnace	15	Cylindrical Grinding Machine
2	Torsion testing machine	16	TIG Welding
3	Spring testing machine	17	Blow Moulding Machine
4	Computerized Universal Testing Machine	18	Plasma Arc Welding
5	Compression Testing Machine	19	Pelton Wheel turbine test rig
6	Four cylinder four stroke petrol engine	20	Francis Turbine Test rig
7	VCR Petrol Engine Test Rig	21	Kaplan Turbine
8	Air Conditioning Test Rig	22	Image Analyzer
9	All Geared Capstan Lathe	23	Surface Finish Tester
10	Universal Milling Machine	24	Tool Makers Microscope
11	6" All Geared Head Lathe	25	Profile Projector
12	Planning Machine	26	CNC Lathe cum Milling Machine
13	Pin on Disc Wear Test Apparatus	27	CNC Milling Machine
14	Sintering furnace	28	Pick and Place ROBOT