



Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by NAAC as 'A++' ♦ Approved by AICTE ♦ ISO 21001:2018 Certified

Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

Phone No. +91 8645 - 350 200; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in

Admin Off: 29-36-38, Museum Road, Govenorpet, Vijayawada - 520 002. Ph: +91 - 866 - 3500122, 2576129

Metric No.: 3.1.1

The institution's Research facilities are frequently updated and there are well defined policy for promotion of research which is uploaded on the institutional website and implemented

Response:

KLEF places high value on the promotion of quality research in accordance with its mission and R&D policy. As per the discussions in research advisory board, research facilities and policies will be reviewed periodically for every semester and upgraded to facilitate advanced research in emerging areas. To address global challenges, the University is engaged in allocating adequate resources for S&T and maintaining the state-of-the-art facilities.

Establishment of Professor Centric Research Labs and Centers of Excellence

Several new professor-centric labs and centers of excellence are established based on national priorities to promote inter-disciplinary research activities in collaboration with premier academic institutions and industries. Eight departments have established DST-FIST supported research labs for PG and research scholars participation. DST sanctioned SEED grant for SC-Hub, S&T Innovation Hub and rural women technology park for women empowerment. In addition, a new central research lab has been created with the support of DST-PURSE program.

Procurement of New Softwares and Access to Scientific Databases

Several software like ANSYS, MATLAB, COMSOL, CST, Ni-LabVIEW, BIOVIA, etc., and various databases like IEEE, Scopus, and Web of Science and plagiarism detection tools like Turnitin and Drillbit facilities are available for research.

Inclusion of New Advanced Instruments Under Central Instrumentation Center

Advanced research instruments and accessories are pooled under central facilities to meet the contemporary requirements of research. Central Instrumentation Center has advanced instruments like XRD, LC-MS, HPLC, GC, Anechoic Chamber, DSC, Lock-in-Amplifier, Signal Generator, VNA, Wear Tester, PCB Prototype Machine, Dielectric Probe, Signal & Noise Analyzer etc.



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Establishment of Incubation Centers

KLEF has instituted dedicated incubation centers namely DST NIDHI Technology Business Incubator (TBI) supported by the Department of Science & Technology (DST), Atal Community Incubation center (ACIC) supported by Atal Innovation Mission (AIM) – NITI Aayog and MSME Business Incubator (BI) supported by the Ministry of Small and Medium Enterprise, are instrumental in providing essential support and resources to aspiring entrepreneurs. These Incubation centers are supported by funding schemes namely TIDE 2.0, Ministry of Electronics and Information Technology (MeitY) and Startup India Seed Fund (SISF) Schemes.

Research Promotion Policy

KLEF established a well-defined policy for promotion of research which has been duly implemented and made available to the all-stake holders through institute website.

<https://www.kluniversity.in/pdfs/R%20n%20D%20Policy1.pdf>

To motivate faculty and students in promoting quality research and to enhance the research output, the institution providing the following research Incentives and implementing the same to all the eligible stakeholders.

- Institutional fellowships of Rs. 31,000/- p.m. for Research Scholars and Rs.40,000/- p.m. for the Post Doctoral fellows.
- Financial support to the students and faculty to establish their start-ups through KLEF incubation centers.
- A seed grant for young faculty members to perform independent research at KLEF.
- Research incentives to faculty and scholars for high-quality publications, books/chapters, patents, research awards, sponsored projects, and contributions to the institution's citations and 'h' index.
- Financial assistance for participation in national conferences and partial assistance for participation in international conferences (up to 50%). Financial support to the faculty to visit national and international research labs/institutions for promoting high quality collaborative research.

Note: Please refer the supporting documents links in the next page



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Description	Link
Research Promotion Policy	Click Here

KLEF R&D Centers

S. No.	Center of Excellence	Incharge	Department	Location	Weblink
1	Center for Advanced Research and Innovation in Structural Biology of Diseases	Dr. Burra V. L. S. Prasad	BT	C509	https://www.kluniversity.in/iqac-files/SSR-2023/c3/3.1.1/ARISBD.pdf
2	RF & Microwave Excellency Center	Dr. K Sarat Kumar	ECE	C222	https://www.kluniversity.in/iqac-files/SSR-2023/c3/3.1.1/RFMW.pdf
3	Centre for system dynamics & Condition Monitoring – Research Center	Dr. Rama Sastry	ME	M0005	https://www.kluniversity.in/me/coe.aspx

S. No.	Research Center	Incharge	Department	Location	Weblink
1	Antennas and Liquid Crystals Research Center	Dr. B T P Madhav / Dr. K Kumar Naik	ECE	L706	http://arllcrcklu.weebly.com/
2	Infrared Imaging Center	Dr. G V Subbarao	ECE	L702	https://www.kluniversity.in/Infrared-Imaging-Center/Default.aspx
3	Space Technology and Atmospheric Sciences Research Center	Dr. D Venkata Ratnam	ECE	L701	https://www.kluniversity.in/iqac-files/SSR-2023/c3/3.1.1/STAR.pdf
4	VLSI & MEMS Research Center	Dr. K Srinivasa Rao	ECE	L704	https://www.kluniversity.in/ece/pdf/MEMS-RESEARCH-CENTER_ECE.pdf
5	Biomechanics and Vision Computing Research Center	Dr. P V V Kishore	ECE	L703	https://www.kluniversity.in/iqac-files/SSR-2023/c3/3.1.1/BVCRC.pdf
6	Center for Applied Research in Electromagnetics	Dr. K Sarat Kumar / Dr. K Ch Kavya	ECE	L705	https://www.kluniversity.in/iqac-files/SSR-2023/c3/3.1.1/CARE.pdf
7	Applied Signal Processing Research Center	Dr. S. Koteswara Rao	ECE	L702	https://www.kluniversity.in/iqac-files/SSR-2023/c3/3.1.1/ASPRC.pdf
8	Genomics and Proteomics Research Center	Dr. M. Janaki Ramaiah	BT	C504	https://www.kluniversity.in/iqac-files/SSR-2023/c3/3.1.1/GPRS.pdf
9	Center for Flexible Electronics	Dr. P S Srinivasa Babu	ECE	SDC Block 5 th Floor	https://www.kluniversity.in/iqac-files/SSR-2023/c3/3.1.1/CFE.pdf
10	Embedded Systems and IoT	Dr. S. Arunmetha	ECE	R&D Block 3rd Floor	https://www.kluniversity.in/iqac-files/SSR-2023/c3/3.1.1/ESIOT.pdf



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11	Computer Networks & Security Research Center	Dr. K V D Kiran	CSE-H	CSE Block Ground Floor	https://www.kluniversity.in/iqac-files/SSR-2023/c3/3.1.1/CNSR.pdf
12	Quantum Computing Research Center	Dr. K Bhanu Prakash	CSE	CSE First Floor	https://www.kluniversity.in/iqac-files/SSR-2023/c3/3.1.1/QCRC.pdf
13	Structural Engineering Research Center	Dr. M Achyutha Kumar Reddy	CE	CE01	https://www.kluniversity.in/ce/pdfs/serglab.pdf
14	Mechanical Engineering FIST Lab	Dr. Priya Ranjan Sarma	ME	M006	https://www.kluniversity.in/me/coe.aspx
15	FAB Lab	Dr Mangesh	ME	Opposite to Himalaya boys Hostel	https://www.kluniversity.in/me/pdf/Center%20of%20Excellence%20FAB%20Lab.pdf
16	Drug Discovery and Development	Dr. Manikanta Murahari	Pharmacy	R510	https://www.kluniversity.in/iqac-files/SSR-2023/c3/3.1.1/pharma.pdf
17	Climatology Lab	M. Venkateswara Rao	Architecture	E203	https://www.kluniversity.in/iqac-files/SSR-2023/c3/3.1.1/CARC.pdf
18	LEGALIS INQUISITOR	Dr. G. Vinodini Devi	Law	S605	https://www.kluniversity.in/iqac-files/SSR-2023/c3/3.1.1/Lawlab.pdf
19	Soil and Seed Testing lab	Dr. P. Avinash	Agriculture	S302	https://www.kluniversity.in/iqac-files/SSR-2023/c3/3.1.1/SST.pdf

KLEF R&D – List of Equipment

S.No	Name of the Research Laboratory	Equipment name	Cost of the Equipment	YEAR
1	CARE	Keysight Signal analyser (10Khz to 7GHz) Serial number MY63440455(N9010B-507)	1306928	2023-24
2	CARE	Noise figure measurement Application (N9069Emoe)	505609	2023-24
3	CARE	Spectrum Analyser (FPC1500)	3200000	2023-24
4	CARE	Vector Signal Generator (4KHz to 7.125 GHz) (SMCV100B)		2023-24
5	Organic chemistry R&D lab	MSME 3D Printer Workstation	245000	2023-24
6	Organic chemistry R&D lab	BLUE STAR Refrigerator	25000	2023-24
7	Organic chemistry R&D lab	BROTHER Laser Printer B/W	13000	2023-24
8	Organic chemistry R&D lab	BROTHER DCP-T710W	13700	2023-24
9	TBI-R&D LAB	Microscope	2610785	2023-24
10	Organic chemistry R&D lab	Pre-Filter and Water Softner (DDW Unit)	65000	2022-23
11	Organic chemistry R&D lab	EPSON Color Inkjet Printer	13250	2022-23



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12	Organic chemistry R&D lab	Electrophoresis Unit	39946	2022-23
13	TBI-R&D LAB	Beckman Blood Counter	206000	2022-23
14	TBI-R&D LAB	Spray Dryer	3090569	2022-23
15	TBI-R&D LAB	LC-MS	12776500	2022-23
16	ALRC	Dielectric Probe Measurement Setup	10,000,00	2022-23
17	ALRC	COMSOL-2022	1200000	2022-23
18	Organic chemistry R&D lab	Bench Top Centrifuge	176000	2021-22
19	Organic chemistry R&D lab	Vortexer, Magnetic Stirrer, WaterBath, Gel Rocker, Digital pH meter	55000	2021-22
20	Organic chemistry R&D lab	Microsoft Surface Pro 6	120000	2021-22
21	Organic chemistry R&D lab	ASUS Mobile Workstation	265000	2021-22
22	EMRL-R & D	Hei-Vap Expert Control	700000	2020-21
23	Organic chemistry R&D lab	Hei-Vap Expert Control(Rotary Evaporator)	700000	2020-21
24	Organic chemistry R&D lab	Inverted microscope	56640	2020-21
25	Organic chemistry R&D lab	Magnetic stirrer with hot plate	12980	2020-21
26	Organic chemistry R&D lab	Cup sealer	23000	2020-21
27	Organic chemistry R&D lab	Hot air oven	31989	2020-21
28	Organic chemistry R&D lab	Microwave oven	11999	2020-21
29	Organic chemistry R&D lab	Milk cream separator	12980	2020-21
30	Organic chemistry R&D lab	Heating mantle	1785	2020-21
31	Organic chemistry R&D lab	Analytical Balance	59640	2020-21
32	Organic chemistry R&D lab	Muffle furnace	33390	2020-21
33	Organic chemistry R&D lab	Continous band sealer	15499	2020-21
34	Organic chemistry R&D lab	Electrical centrifuge	6136	2020-21
35	Organic chemistry R&D lab	Vacuum sealer	7140	2020-21
36	Organic chemistry R&D lab	Induction bottle cap sealer	19995	2020-21
37	Organic chemistry R&D lab	Digital refractometer	68250	2020-21
38	Organic chemistry R&D lab	Incubator shaker	157500	2020-21
39	Organic chemistry R&D lab	BOD incubator	86100	2020-21
40	Organic chemistry R&D lab	ICMR DEL Desktop Optiplex 7070 MT XCTODESKTOP	80000	2020-21
41	Organic chemistry R&D lab	ICMR Workstation	320000	2020-21
42	Instrumentation Center	Master Abrasive Cutter with coolant supply	89250	2020-21
43	Instrumentation Center	Metallurgical Microscope	273000	2020-21
44	Instrumentation Center	Wear Tester-Pin on Disc / Tribometer	840000	2020-21
45	Instrumentation Center	Master Abrasive Cutter with coolant supply	89250	2020-21
46	Instrumentation Center	Metallurgical Microscope	273000	2020-21



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47	IR- R & D	Inverted Phase contrast microscope (CKX53)	934500	2019-20
48	IR- R & D	Vertical Electrophoresis system	20648	2019-20
49	EMRL-R & D	FTIR	1330875	2019-20
50	STAR- R & D	Ionospheric Monitoring GNSS Receiver and Accessories	1572000	2019-20
51	Organic chemistry R&D lab	Water Bath	10400	2019-20
52	Organic chemistry R&D lab	Vacuum Pump	5310	2019-20
53	Organic chemistry R&D lab	UV Cabinet	5000	2019-20
54	ALRC	CST-2019	450000	2019-20
55	ALRC	Ansys ELECTRONICS DSKTOP	750000	2019-20
56	ALRC	My Signals HW Complete Kit	200000	2019-20
57	ALRC	Network analyzer Keysight-Fieldfox-15 GHz	1400000	2019-20
58	Instrumentation Center	Electro-Chemical Work Station-Corrosion Tester	1256580	2019-20
59	Instrumentation Center	Micro-Hardness Tester	455752	2019-20
60	Instrumentation Center	Dual Polisher Cum Grinder Supplier	42000	2019-20
61	Instrumentation Center	Weighing Balance	98415	2019-20
62	Instrumentation Center	Electro-Chemical Work Station-Corrosion Tester	1256580	2019-20
63	Instrumentation Center	Micro-Hardness Tester	455752	2019-20
64	Instrumentation Center	Dual Polisher Cum Grinder Supplier	42000	2019-20
65	ALRC-R&D	Anechoic Chamber	2400000	2018-19
66	Advanced Materials Research Lab	1/4 Monochromator with detectors, Lasers and optical accessories	3100000	2018-19
67	IR- R & D	IR Lens for Camera	720000	2018-19
68	ALRC	Aniritsu Combinational Analyzer (1-15 GHz)	1300000	2018-19
69	ALRC	Chemical Etching Station	100000	2018-19
70	ALRC	Horn Antenna-18 GHz	150000	2018-19
71	ALRC	Analog Microwave Source (13 GHz)	1200000	2018-19
72	ALRC	PCB Prototype Machine-Nvis	450000	2018-19




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