Part A

Data of the Institution

1. Name of the Institution	**KONERU LAKSHMAIAH EDUCATION FOUNDATION**
Name of the head of the Institution	**L S S REDDY**
Designation	**Vice Chancellor**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**0863-2399977**
Mobile no.	**9440263649**
Registered Email	**registrar@kluniversity.in**
Alternate Email	**iqacoffice@kluniversity.in**
Address	**VADDESWARAM**
City/Town	**VADDESWARAM**
State/UT	**Andhra Pradesh**
Pincode	**522502**

2. Institutional Status

University	**Deemed**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr. K. Rama Krishna**
Phone no/Alternate Phone no.	**08632399999**
Mobile no.	**9948131461**
Registered Email	**deanquality@kluniversity.in**
Alternate Email	**iqacoffice@kluniversity.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.kluniversity.in/IQAC/pdfs/AQAR-2018-2019.pdf

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.kluniversity.in/site/acadcal.htm

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	**A**	**3.16**	**2013**	**05-Jan-2013**	**04-Jan-2018**
2	**A++**	**3.57**	**2018**	**02-Nov-2018**	**01-Nov-2023**

6. Date of Establishment of IQAC	**10-Oct-2011**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
2-Day National Conference: Innovative	**06-Mar-2020** **2**	**174**

Mechanisms and Standards for Assuring Quality in Higher Education Institutions (IAQHEI-2020)		
The World Quality Day 2019	28-Nov-2019 1	157
IQAC-KLEF observed vigilance Week during the second fortnight of October 2019	28-Oct-2019 6	100
Quality Assurance and sustenance in Higher Education Institutions	30-Sep-2019 1	39
[View File]()		

8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Electronics & Computer Engineering	Fund for Improvement of S T (FIST)	DST	2016 1,826	6100000
Physics	Fund for Improvement of S T (FIST)	DST	2019 1,826	10700000
Bio Technology	Fund for Improvement of S T (FIST)	DST	2015 1,826	6700000
Electronics & Communication Engineering	Fund for Improvement of S T (FIST)	DST	2019 1,826	10500000
[View File]()				

9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File]()
10. Number of IQAC meetings held during the year :	**4**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File]()

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

For assuring Quality and ensuring progressive performance in various activities, the following mechanisms have been developed and activities are conducted by the cell: 1. Developed a system and procedures for online teaching and evaluation during lockdown period 22 March to 2 June 2020 (72 days). The same procedures are being implemented during the current Academic Year, 202021 too successfully. 2. Conducted the annual Entrance Test for admission, KLEEE2020 using online technique, which was attended by over 50000 students from different parts of the country. The Entrance Test was conducted during the last week of April 2020. Even the admissions took place online. 3. Celebrated World Quality Day 2019 (Theme: 100 years of quality) on the second Thursday of November 2019. Identified and rewarded Faculty, staff and students, who have excelled in terms of academics, research, etc. and contributed for enhancement of quality in the University during the previous year, 201819. 4. Coordinated and obtained ISO 9001:2015 Surveillance Certification for 201920. 5. Conducted one 1day Seminar on Quality Assurance and one 2day National Seminar on Quality Assurance (QAHEI2020), which helped in sharing and disseminating information pertaining to quality assurance, enhancement and sustenance across hundreds of faculty from six different states of the country, with the active support of Quality circles.

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Preparation of Academic Calendar and Auditing Calendar of events once in a month	Auditing of conduction of various events as per the calendar has been undertaken and the non conformances have been reported. This helped in achieving the required outcomes in all tasks pertaining to all functionaries.
Auditing set of elements which are included into a specific report on monthly/quarterly/ half-years basis	All the elements pertaining to NAAC, NIRF, etc. have been included into the monthly report format and were audited; non-conformances have been raised and the same are followed up to ensure that the functionaries have taken up the corrective action.
Implemented Online Learning to all Faculty through Coursera.	The University tied up with Coursera and provided the necessary links for all faculty to complete three courses online (two in the subjects being offered and one on improving English communication skills). This helped in tightening the SRP (Semester Readiness Program), which is already in place at

	this University for effective teaching -learning process.
Review of a set of processes that are related to R & D	Targets have been set up for each quarter (25% of the requirements), half-year and three-quarters of the year. This helped in closer monitoring and helped in achieving best possible outcomes. E. g. Number of publications – Quarterly targets helped in knowing the exact status for initiating necessary corrective action.
Preparation of Standard format for Resume	A Team consisting of senior Faculty has been set up to standardize the Resume format. All the outgoing students have been educated and Resumes have been standardized. This helped in enhanced visibility of KLEF students when they appeared for campus Interviews.
[View File](#)	

14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
BOM	31-Oct-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**No**

16. Whether institutional data submitted to AISHE:	**Yes**

Year of Submission	2020

Date of Submission	20-Feb-2020

17. Does the Institution have Management Information System ?	**Yes**

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	KL ERP is an educational Enterprise Resource Planning software designed and developed by KL University. It automates and streamlines all the processes functioning with in the boundaries of the institution to significantly improve the effectiveness of allocation and operating academic resources better. KL ERP is a well designed web based ERP application which integrates the functions of all the departments in the university.

Technology everywhere is the main moto behind the development of KL ERP. It is a web and mobile based application which features a centralized data storage structure which helps management, students, faculty and parents to access data from anywhere and anytime. The main features of KL ERP are: ? Deepen student learning with technology ? Complete Automation for smarter Decisions ? Improve Resource Management ? Centralized Data Management ? Increase Daily Productivity of the Staff and Faculty ? Save time and Reduce faculty workload ? Connect multiple departments and Campuses ? Employee Satsifaction and High performance ? Cost Effective Quicker Management process ? Complete Student centric and parents satsifaction ERP Modules: 1. Admission Management 2. Academic Registration 3. Programs 4. Courses 5. Time Table Management 6. Course Handout, QB Examination 7. HR Management 8. Leave Management 9. Employee Profile 10. Authorization Management 11. Committee Management 12. Infrastructure Management 13. Inventory Management 14. Library Management 15. Student Profile 16. Hostel Management 17. Transport Management 18. PhD Scholars 19. Research Related 20. User Management 21. Reports / Dashboard

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	001	Bio Technology	10/01/2020
BTech	002	Civil Engineering	05/07/2019
BTech	003	Computer Science and Engineering	05/07/2019
BTech	003	Computer Science and Engineering	10/01/2020
BTech	004	Electronics and Communication Engineering	05/07/2019
BTech	005	Electronics and Computer Engineering	05/07/2019

BTech	006	Electrical and Electronics Engineering	05/07/2019
BTech	007	Mechanical Engineering	05/07/2019
BArch	016	Architecture	05/07/2019
BArch	016	Architecture	10/01/2020
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Bio Technology	05/07/2019	Biosafety Bio ethics(15BT4158)	05/07/2019
BTech	Bio Technology	05/07/2019	Biotechnology Skilling - 3 (Animal Cell Cu lture)(17TS1003)	05/07/2019
BTech	Bio Technology	05/07/2019	Biotechnology Skilling - 4 (Advanced Instr umentation)-(17 TS1005)	05/07/2019
BTech	Bio Technology	05/07/2019	Designing Tools Workshop- I(19ME1103)	05/07/2019
BTech	Bio Technology	05/07/2019	Mathematics for Computing(1 9MT1101)	05/07/2019
BTech	Bio Technology	05/07/2019	Molecular Expression Tech nology(15BT4157)	05/07/2019
BTech	Bio Technology	05/07/2019	Neurobiology(15BT4170)	05/07/2019
BTech	Bio Technology	05/07/2019	Pharmaceutical Biotechnology(1 5BT4162)	05/07/2019
BTech	Bio Technology	05/07/2019	Skilling for Engineers-1(Med ical Lab Techno logy)(18TS1001)	05/07/2019
BTech	Bio Technology	05/07/2019	Skilling for Engineers-2 (Process Engineering Too ls)-(18TS1002)	05/07/2019

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BArch	B. Arch.-19AR2138-Architectural Design Studio -III	05/07/2019
BArch	B. Arch.-19AR1234-Architectural Design Studio -II	05/07/2019
BArch	B. Arch.-19AR1131-Architectural Design Studio -I (Basic Design)	05/07/2019
BArch	B. Arch.-19AR4124A- Architectural Conservation	05/07/2019
BArch	B. Arch.-19AR3221A- Appropriate Building Technologies	05/07/2019
BArch	B. Arch.-19AR4149-Advanced Building Techniques	05/07/2019
MSc	Finance and Control	05/07/2019
MSc	Geology	05/07/2019
Mtech	Energy and Environmental Management	05/07/2019
LLB	LAW	05/07/2019

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Bio Technology	05/07/2019
BTech	Civil Engineering	05/07/2019
BTech	Computer Science and Engineering	05/07/2019
BTech	Electronics and Communication Engineering	05/07/2019
BTech	Electronics and Computer Engineering	05/07/2019
BTech	Electrical and Electronics Engineering	05/07/2019
BTech	Mechanical Engineering	05/07/2019
BTech	Petroleum Engineering	05/07/2019
BArch	Architecture	05/07/2019

BCA	Computer Applications	05/07/2019
BPharm	Pharmacy	05/07/2019
BSc	Visual Communications	05/07/2019
BCom	Commerce (Honors)	05/07/2019
BBA	Business Administration	05/07/2019
Integrated(UG)	BBA-LLB	05/07/2019
BFA	Fine Arts	05/07/2019
BA	Arts	05/07/2019
BSc	Hotel Management	05/07/2019
LLB	Legislative Law	05/07/2019
Mtech	Bio Technology	05/07/2019
Mtech	Structural Engineering	05/07/2019
Mtech	Construction Technology & Management	05/07/2019
Mtech	Energy and Environmental Management	05/07/2019
Mtech	Computer Science and Engineering	05/07/2019
Mtech	Machine Learning and Computing	05/07/2019
Mtech	Computer Science and Engineering (Digital Forensic Cybersecurity)	05/07/2019
Mtech	VLSI	05/07/2019
Mtech	Radar & Communication	05/07/2019
Mtech	Embedded Systems	05/07/2019
Mtech	Power Systems	05/07/2019
Mtech	Power Electronics and Drives	05/07/2019
Mtech	Thermal Engineering	05/07/2019
Mtech	Machine Design	05/07/2019
MBA	Masters in Business Administration	05/07/2019
MSc	Chemistry	05/07/2019
MSc	Applied Mathematics	05/07/2019
MSc	Physics	05/07/2019
MA	English	05/07/2019
MSc	Geology	05/07/2019
MSc	Finance and Control	05/07/2019
PhD or DPhil	Ph.D.-Bio Technology	05/07/2019
PhD or DPhil	Ph.D.-Civil Engineering	05/07/2019
PhD or DPhil	Ph.D. -Computer Science and Engineering	05/07/2019

PhD or DPhil	Ph.D.-Electronics and Communication Engineering	05/07/2019
PhD or DPhil	Ph.D. -Electronics and Computer Engineering	05/07/2019
PhD or DPhil	Ph.D. -Electrical and Electronics Engineering	05/07/2019
PhD or DPhil	Ph.D. -Mechanical Engineering	05/07/2019
PhD or DPhil	Ph.D. -Mathematics	05/07/2019
PhD or DPhil	Ph.D. -Physics	05/07/2019
PhD or DPhil	Ph.D. -Chemistry	05/07/2019
PhD or DPhil	Ph.D. -English	05/07/2019
PhD or DPhil	Ph.D. -Management	05/07/2019
PhD or DPhil	Ph.D. -Law	05/07/2019
BDes	Design	05/07/2019
Mtech	Robotics and Mechatronics	05/07/2019
Mtech	Geo Informatics	05/07/2019
Mtech	Atmospheric Science	05/07/2019

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Exploration of Structural Elements	05/07/2019	106
ADVANCED DATA SCIENCE CAPSTONE	05/07/2019	12
ADVANCED MACHINE LEARNING AND SIGNAL PROCESSING	05/07/2019	7
AI IOT Based Automotive Electronics	05/07/2019	24
APPLIED AI WITH DEEPLEARNING	05/07/2019	9
Applied Machine learning in Python	05/07/2019	98
Aptitude for Advocacy	05/07/2019	7
Athletics	05/07/2019	168
AUTOMATION ANY WHERE	05/07/2019	206
AUTOMOTIVE ELECTRONICS IOT	05/07/2019	202
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships

BTech	Bio Technology	478
BTech	Civil Engineering	342
BTech	Computer Science and Engineering	6120
BTech	Electronics and Communication Engineering	3217
BTech	Electronics and Computer Engineering	536
BTech	Electrical and Electronics Engineering	298
BTech	Mechanical Engineering	960
BTech	Petroleum Engineering	35
BArch	Architecture	17
BCA	BCA	64

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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

Any institutions growth relies strongly on a feedback scheme that works well. Feedback is gathered at the departmental and institutional level, discussing opinions on the curriculum, teaching learning process, facilities and support facilities for students to take enhancement initiatives. STUDENT: The students feedback on faculty finds a place in the individual faculty members performance assessment scoring system and the same is evaluated for the sanction of increments. Students feedback is received in two stages (preliminary feedback final feedback). FACULTY: The institution has made it a practice to hold all faculty meetings on a regular basis, discussing and analyzing methods and means to improve curriculum, academic discipline, teaching learning process, research and extension activities. The suitable suggestions for execution will be submitted to the corresponding departments. ALUMNI: Since the alumni is discovered to be our institutions brand ambassadors, the alumnis feedback is done with due consideration. Our institution enjoys a powerful and healthy alumni relationship. The Alumni Association frequently conducts a formal exit feedback. The consolidated feedback report is forwarded to the Academic Committee of the Department (DAC) for consideration of the favorable performance and enhancement scope. PARENTS: The parent feedback is also acquired and analyzed as a major stakeholder of this system. Some of the parents feedback parameters include teaching quality, discipline for students, sports facilities, laboratory equipment, examination system, student activities such as transportation, library, internet facilities, Wi-Fi, etc. Student parents whose performance is poor in the ongoing evaluation exam are separately

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Bio Technology	120	4920	120
BTech	Civil Engineering	120	4260	96
BTech	Computer Science and Engineering	1800	49504	1800
BTech	Electronics and Communication Engineering	900	43200	872
BTech	Electronics and Computer Engineering	120	3840	120
BTech	Electrical and Electronics Engineering	60	2512	44
BTech	Mechanical Engineering	300	6504	264
BArch	Architecture	40	267	22
BCA	Computer Applications	60	98	60
BPharm	Pharmacy	100	438	52

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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	15527	1454	1023	110	41

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
1174	1174	15	273	45	18

View File of ICT Tools and resources

View File of E-resources and techniques used

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Student mentoring ensures that every student gets to know the academic structure of the University and utilize maximum opportunities that the institute offers to fulfill their career and personal life goals. The objective of "Student Counseling/Mentoring Service" is to provide friendly support to the students for their well-being during their stay in the campus and for their personal and professional development by 360 degrees . Student counseling promotes the development of students in the following aspects: (A). Academic: It disseminates information about different academic programs of the Institute and provides efficient time management and learning skills. It also addresses academic issues of students, e. g. inadequate academic performance, fall of attendance, lack of basic IT skills and language skills of students, particularly from non-English background. Besides, counselling helps students to take proper direction as they leave the campus, viz. higher education in a specialized field (both in India and abroad), job (different types of career options), entrepreneurship, etc. (B). Co-Curricular Extra-Curricular: It strives to develop talents in students and encourages them to discover their extra-curricular interests/hobbies, viz. sports, fine-arts, etc. (C). Personal: It provides a cushion against homesickness and assists in adjusting to the new environment by providing personalized guidance. The following Orientation/training programs could be organized: (a) Counselling for Academic Excellence - Closely monitoring the Academic Progress of the students (b) Orientation Program for new students to acquaint them with the Institute (c) Awareness on Anti-ragging, gender sensitization, etc. (d) Stress and time management (e) Health care and hygiene (f) Career counselling (g) Motivational lectures by eminent speakers. (D) Swear Analysis: A process to Empower students, faculty and institute – through SWEAR Analysis. .S – Strengths ,.W-Weakness ,.E- Eligibility ,.A- Availability ,.R- Resources Mainly the sweat analysis is divided in to four parts: ? Soft skills: communication, body language. time management. attitude. personality development, adaptability, collaboration, leadership, responsibility, self-motivation , teamwork ,. failure management ? Technical Skills: Problem solving, Analytical, Resilience (capacity to recover from difficulties/toughness) , Aptitude, Arithmetic ? Life skills: Decision-making and problem-solving, creative thinking, lateral thinking and critical thinking interpersonal relationship skills, self-awareness and empathy (ability to understand and share the feelings of another), coping with emotions and coping with stress. assertiveness (quality of being self-assured and confident without being aggressive), goal setting, self-finance management, fulfilling social commitments. ? Professional skills: Programming, design, domain specific or course specific, etc. Counseling service is taken up by a Faculty Member up to a maximum of 1:15 ratio (faculty: students) and ably supported by other Faculty Members, staff and senior students. It should be noted that showing "Concern for Students" is the key. Once the student realizes that his/her mentor has concern for him/her, he/she will fall in line.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
16981	1139	1:14.9

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
1174	1174	Nill	62	568

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies

2020	Nill	Nill	Nill

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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	001-Bio Technology	2019-20 Odd Sem	27/11/2019	06/12/2019
BSc	025-Visual Communications	2019-20 Odd Sem	23/12/2019	01/01/2020
BSc	058-Hotel Management	2019-20 Odd Sem	27/12/2019	05/01/2020
BPharm	018-Pharmacy	2019-20 Odd Sem	28/12/2019	06/01/2019
BFA	056-Fine Arts	2019-20 Odd Sem	23/12/2019	01/01/2020
BCom	052-Commerce (Honors)	2019-20 Odd Sem	28/12/2019	06/01/2020
BCA	017-Computer Applications	2019-20 Odd Sem	23/12/2019	01/01/2020
BBA	054-Business Administration	2019-20 Odd Sem	20/12/2019	29/12/2019
BArch	016-Architecture	2019-20 Odd Sem	26/12/2019	04/01/2020
BA	057-Arts	2019-20 Odd Sem	20/12/2019	29/12/2019

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
11	16981	0.06

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://www.kluniversity.in/site/stuOut.htm

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
001	BTech	Bio	174	163	93.68

		Technology			
002	BTech	Civil Engineering	119	102	85.71
003	BTech	Computer Science and Engineering	1547	1369	88.49
004	BTech	Electronics and Communication Engineering	975	876	89.85
005	BTech	Electronics and Computer Engineering	221	186	84.16
006	BTech	Electrical and Electronics Engineering	120	109	90.83
007	BTech	Mechanical Engineering	371	313	84.37
008	BTech	Petroleum Engineering	10	9	90.00
016	BArch	Architecture	17	14	82.35
017	BCA	Computer Applications	44	42	95.45
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://www.kluniversity.in/SSS-Teaching-Learning/Result.aspx

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Dr.K.Sarat Kumar	KLEF International Fellowship	24/07/2019	MHRD/KLEF
International	Dr B.Jayakumar Singh	KLEF International Fellowship	24/08/2019	KLEF
International	Dr M Kishore Babu	KLEF International Fellowship	24/08/2019	KLEF
International	Dr Md Asdaque	KLEF	24/08/2019	KLEF

International	Dr Shaik Mahamuda	KLEF International Fellowship	24/08/2019	KLEF
International	Dr.P.C Srinivasa Rao	KLEF International Fellowship	24/08/2019	KLEF
International	Dr K.Chandrika	KLEF International Fellowship	02/09/2019	KLEF
International	Dr.Rajesh Pasupuleti	KLEF International Fellowship	01/11/2019	KLEF
International	Dr.Mohammed Ismail B	KLEF International Fellowship	02/12/2019	KLEF
International	Dr.Md.Asdaque Hussain	KLEF International Fellowship	11/11/2019	KLEF
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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
JRF	364	DST-SERB
JRF	364	DST-NRB-DRDO
JRF	183	DST-SEED
SRF	730	DST-CSIR
SRF	730	DST-CSIR
SRF	729	DST-CSIR
SRF	365	DST-SERB
SRF	596	DST-SERB
SRF	365	DST-SERB
SRF	725	DST-SERB
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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Total	1095	DST,SERB,ISRO ,NRB, UGC-DAE, DST-ICMR,DST-NCSTC, MEPMA, INSPIRE, APCOST, Gentox Bioservices, Standard	2147.79	901.26

		Solutions, Precicion Metal Stampings, Nestor Analytics, Energon Petro Products, Optomech Engineers, Nestor Analytics, GK Techno Solutions ect.		
Any Other (Specify)	365	KLEF	200	200
Students Research Projects (Other than compulsory by the University)	365	KLEF	25	25
Projects sponsored by the University	1095	KLEF	265	265
Industry sponsored Projects	365	Gentox Bioservices, Standard Solutions, Precicion Metal Stampings, Nestor Analytics, Energon Petro Products, Optomech Engineers, Nestor Analytics, GK Techno Solutions, Nichebit Softtech, Sunnet Solutions, RV labs, PVP Constructions.	135.1	118.03
Interdisciplinary Projects	1095	DST, NRB, SERB	26.03	3.37
Minor Projects	365	DST, MEPMA, INSPIRE, APCOST	34.44	8.19
Major Projects	1095	DST,SERB,ISRO ,NRB, UGC-DAE, DST-ICMR,DST-NCSTC	1462.22	281.67
		[View File](#)		

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Participation of CIIE at MHRDs Orientation Session on IIC 2.0 ARIIA 2020	Center for Innovation Incubation and Entrepreneurship	02/08/2019
Aspiring Entrepreneur's Meet (AEM)	Center for Innovation Incubation and Entrepreneurship	09/08/2019
She Builds Tech Mentorship Program Organized by Girls-in-Tech Foundation and Department of Youth Services, Government of Andhra Pradesh	Center for Innovation Incubation and Entrepreneurship	10/08/2019
Aspiring Entrepreneur's Meet (AEM)	Center for Innovation Incubation and Entrepreneurship	13/08/2019
Promotion of Clean Energy and Sustainable Energy by Center for Innovation, Incubation and Entrepreneurship (CIIE) and Department of Electrical Engineering in KL University	Center for Innovation Incubation and Entrepreneurship	18/08/2019
Council Meeting held on World Entrepreneurs Day	Center for Innovation Incubation and Entrepreneurship	21/08/2019
Aspiring Entrepreneur's Meet (AEM)	Center for Innovation Incubation and Entrepreneurship	14/09/2019
Start-up Rendezvous19	Center for Innovation Incubation and Entrepreneurship	14/10/2019
Innovation Day 2019	Center for Innovation Incubation and Entrepreneurship	15/10/2019
Entrepreneurs Talk	Center for Innovation Incubation and Entrepreneurship	19/11/2019
Visit of Students to Design Center	Center for Innovation Incubation and Entrepreneurship	01/11/2019
Internship/Practice School by CIIE Start-ups	Center for Innovation Incubation and Entrepreneurship	01/11/2019
Development Programme @	Center for Innovation	02/12/2019

K L on Who is an Entrepreneur Charms of Being an Entrepreneur	Incubation and Entrepreneurship	
Development Programme @ K L on Schemes of Assistance for MSMEs: NSIC, SIDBI, DIC and Other Support Agencies	Center for Innovation Incubation and Entrepreneurship	06/12/2019
Development Programme @ K L on How to Identify Business Opportunities	Center for Innovation Incubation and Entrepreneurship	17/12/2019
Workshop on National Innovation and Startup Policy	Center for Innovation Incubation and Entrepreneurship	19/12/2019
Development Programme @ K L on Soft Skill Development: Communication Information Seeking	Center for Innovation Incubation and Entrepreneurship	22/12/2019
Product Development Phases - Story Telling by Mr. Kingshuk Poddar, CEO of Andhra Pradesh MedTech Zone	Center for Innovation Incubation and Entrepreneurship	01/12/2019
Development Programme @ K L on How to assess Working Capital Requirement for SSI Purchase Technique	Center for Innovation Incubation and Entrepreneurship	27/12/2019
Entrepreneurship Development Programme(EDP) - Session on Social Innovation and Entrepreneurship by Mr.M.A.V.L Narasimha Rao	Center for Innovation Incubation and Entrepreneurship	01/12/2019
Speaker Series: Pro-Talk on 'Artificial Intelligence in Digital Marketing	Center for Innovation Incubation and Entrepreneurship	10/01/2020
Workshop on Design Thinking	Center for Innovation Incubation and Entrepreneurship	11/01/2020
Concept and PoC presentation by Students	Center for Innovation Incubation and Entrepreneurship	20/01/2020
Development Programme @ K L Working Capital Management	Center for Innovation Incubation and Entrepreneurship	24/01/2020
Development Programme @ K L Product Costing and Cost Consciousness	Center for Innovation Incubation and Entrepreneurship	28/01/2020
Internal Smart India	Center for Innovation	05/02/2020

Hackathon Event	Incubation and Entrepreneurship	
Development Programme @ K L Break Even Point	Center for Innovation Incubation and Entrepreneurship	05/02/2020
Development Programme @ Cash flow, Profitability Balance Sheet	Center for Innovation Incubation and Entrepreneurship	10/02/2020
National Science Day	Center for Innovation Incubation and Entrepreneurship	28/02/2020
Speaker Series: Pro-Talk on 'Automotive Electronics'	Center for Innovation Incubation and Entrepreneurship	03/03/2020
Speaker Series: Pro-Talk on 'Industry Internet of Things (IIOT)'	Center for Innovation Incubation and Entrepreneurship	10/03/2020
Speaker Series - Pro Talk and hands on session in KL University on "Cloud Computing using Artificial Intelligence and Machine Learning"	Center for Innovation Incubation and Entrepreneurship	10/03/2020
Awareness Session on Intellectual Property Rights (IPR) and Intellectual Property Management for Innovators and Startups in KL University	Center for Innovation Incubation and Entrepreneurship	10/03/2020
Demo Day - Exhibition cum Mentorship Session for Innovators / Student Entrepreneurs in KL University	Center for Innovation Incubation and Entrepreneurship	10/03/2020
Speaker Series - Pro Talk in KL University on "Network Software Security and Malware Analysis"	Center for Innovation Incubation and Entrepreneurship	10/03/2020
Speaker Series - Pro Talk in KL University on "The Innovative Management Principles: Work 2.0"	Center for Innovation Incubation and Entrepreneurship	11/03/2020
Speaker Series - Pro Talk in KL University on "Web Analytics"	Center for Innovation Incubation and Entrepreneurship	11/03/2020
Session on "How to plan for Start-up and legal and Ethical Steps"	Center for Innovation Incubation and Entrepreneurship	12/03/2020

Field/Exposure Visit to Incubation Unit by Startups Student Innovators of KL University	Center for Innovation Incubation and Entrepreneurship	13/03/2020
Development Programme @ Product Planning Product Mixing Strategy	Center for Innovation Incubation and Entrepreneurship	14/03/2020
Development Programme @ Negotiation and Networking, Delegation of Authority and Work Effort, Leadership Modes, Efficiency Orientation and Systematic Planning	Center for Innovation Incubation and Entrepreneurship	15/03/2020
Workshop-Business Model Canvas (BMC)/Business Plan Competition Inviting Innovative Business Models from Students in KL University	Center for Innovation Incubation and Entrepreneurship	16/03/2020
Interactive session on 'Hangout with successful Start-ups' (Entrepreneurs in Campus) in KL University	Center for Innovation Incubation and Entrepreneurship	20/03/2020
National Innovation and Startup Policy for Students and Faculty 2019 - A Guiding Framework for HEIs for Implementation	Center for Innovation Incubation and Entrepreneurship	28/04/2020
Role and Importance of Pre-Incubators, Incubators and Accelerators in HEIs - Harnesing Innovation and Entrepreneurial Potential of Students and Faculties at Early Stage	Center for Innovation Incubation and Entrepreneurship	29/04/2020
Role of Network Enablers in driving I E in HEIs - A Case of TiE, India	Center for Innovation Incubation and Entrepreneurship	01/05/2020
Hangout with Successful Startup Founder and Design thinking Approach for Hardware Innovation	Center for Innovation Incubation and Entrepreneurship	04/05/2020
Entrepreneurship, Business Idea and Business Model Canvas	Center for Innovation Incubation and Entrepreneurship	05/05/2020
How to Identify Right Problem and Solution using the Double Diamond	Center for Innovation Incubation and Entrepreneurship	06/05/2020

Approach in Design		
Understanding Angel and Venture Capital Funding - What is there for Early Stage innovator Entrepreneurs	Center for Innovation Incubation and Entrepreneurship	08/05/2020
Innovating Self- Screen and Identify right opportunities	Center for Innovation Incubation and Entrepreneurship	13/05/2020
Understanding Role and Application of Marketing Research at Idea to Start up Stage - Foundation Level	Center for Innovation Incubation and Entrepreneurship	14/05/2020
Innovation Risk Diagnostic - Product Innovation Rubric (PIR)	Center for Innovation Incubation and Entrepreneurship	15/05/2020
Market Research for Startups – Advance Level	Center for Innovation Incubation and Entrepreneurship	20/05/2020
Frugal Innovations and Social Entrepreneurship	Center for Innovation Incubation and Entrepreneurship	21/05/2020
Hangout with Emerging Innovator Entrepreneurs Supported through MIC AICTE	Center for Innovation Incubation and Entrepreneurship	22/05/2020
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Recognition as Resource Person for MSME Entrepreneurship Development Programme	Dr. K Raja Sekhar	National Institute for Micro, Small and Medium Enterprises(EDP)	09/12/2019	Faculty
Special Recognition as Innovation Ambassador by MHRD Innovation Cell	Dr. K Raghava Rao	MHRDS Innovation Cell(AICTE)	07/02/2020	Faculty
Award of Recognition by ni-msme, Ministry of MSME for four weeks Entrepreneurship Development Programme(EDP)	V Daya Sagar Ketaraju	National Institute for Micro, Small and Medium Enterprises(Ni-MSME)	30/12/2019	Faculty

Award of Recognition by ni-msme, Ministry of MSME for four weeks Entrepreneurship Development Programme(EDP)	Pinupolu Prasad	National Institute for Micro, Small and Medium Enterprises(Ni-MSME)	30/12/2019	Student
WinnerAward For Startup Pitch During Startup Rendezvous19	Bhuvan Kumar	Startup Rendezvous19 Event, K L E F University, Vaddeswaram.	15/10/2019	Student
Runner Up-IAward For Startup Pitch During Startup Rendezvous19	Bharath Simha Reddy	Startup Rendezvous19 Event, K L E F University, Vaddeswaram.	15/10/2019	Student
Winner -I, Internal Panel from Smart India Hackathon 2020	A Roshan Chandra	External Panel from Smart India Hackathon 2020	28/02/2020	Student
Winner - II, Internal Panel from Smart India Hackathon 2020	Meghana	External Panel from Smart India Hackathon 2020	28/02/2020	Student
Runner Up-I, Internal Panel from Smart India Hackathon 2020	Siddu Eswar	Internal Panel from Smart India Hackathon 2020	02/02/2020	Student
Runner Up - II, Internal Panel from Smart India Hackathon 2020	B. Rohit	Internal Panel from Smart India Hackathon 2020	02/02/2020	Student
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Koneru Lakshmaiah Technology Incubators Foundation (KLTIF)	Koneru Lakshmaiah Technology Incubators Foundation (KLTIF)	Jointly by Koneru Lakshmaiah Education Foundation (KLEF)and Ministry of Electronics Information Technology	Iuthink Educare Private Limited	Ecosystem Enablers	12/12/2019

Koneru Lakshmaiah Technology Incubators Foundation (KLTIF)	Koneru Lakshmaiah Technology Incubators Foundation (KLTIF)	(MeitY) – TIDE 2.0 under public private partnership			
Koneru Lakshmaiah Technology Incubators Foundation (KLTIF)	Koneru Lakshmaiah Technology Incubators Foundation (KLTIF)	Jointly by Koneru Lakshmaiah Education Foundation (KLEF)and Ministry of Electronics Information Technology (MeitY) – TIDE 2.0 under public private partnership	Yacnee Technologies Pvt. Ltd.,	Manufacture of radio,Communication Equipment	12/07/2019
Koneru Lakshmaiah Technology Incubators Foundation (KLTIF)	Koneru Lakshmaiah Technology Incubators Foundation (KLTIF)	Jointly by Koneru Lakshmaiah Education Foundation (KLEF)and Ministry of Electronics Information Technology (MeitY) – TIDE 2.0 under public private partnership	Clasp Box (Brue Tech Pvt. Ltd.	Online selling of accessories in USA	01/08/2019
Koneru Lakshmaiah Technology Incubators Foundation (KLTIF)	Koneru Lakshmaiah Technology Incubators Foundation (KLTIF)	Jointly by Koneru Lakshmaiah Education Foundation (KLEF)and Ministry of Electronics Information Technology (MeitY) – TIDE 2.0 under public private partnership	Genminds Skill Trainings And Technological Services Private Limited	Training and Development	15/08/2019
Koneru Lakshmaiah Technology Incubators Foundation (KLTIF)	Koneru Lakshmaiah Technology Incubators Foundation (KLTIF)	Jointly by Koneru Lakshmaiah Education Foundation (KLEF)and	Multe Arts Private Limited	Training and Competency Development	07/09/2019

		Ministry of Electronics Information Technology (MeitY) - TIDE 2.0 under public private partnership			
Koneru Lakshmaiah Technology Incubators Foundation (KLTIF)	Koneru Lakshmaiah Technology Incubators Foundation (KLTIF)	Jointly by Koneru Lakshmaiah Education Foundation (KLEF)and Ministry of Electronics Information Technology (MeitY) - TIDE 2.0 under public private partnership	Spectamatrix Solutions Pvt. Ltd.,	Home Automation product and services	24/09/2019
Koneru Lakshmaiah Technology Incubators Foundation (KLTIF)	Koneru Lakshmaiah Technology Incubators Foundation (KLTIF)	Jointly by Koneru Lakshmaiah Education Foundation (KLEF)and Ministry of Electronics Information Technology (MeitY) - TIDE 2.0 under public private partnership	Ecoherun AD Power Solutions Pvt. Ltd.,	Solar Panel Services	15/10/2019
Koneru Lakshmaiah Technology Incubators Foundation (KLTIF)	Koneru Lakshmaiah Technology Incubators Foundation (KLTIF)	Jointly by Koneru Lakshmaiah Education Foundation (KLEF)and Ministry of Electronics Information Technology (MeitY) - TIDE 2.0 under public private partnership	Fivedust Technologies Pvt. Ltd.,	Web Development IT Services	19/10/2019
Koneru Lakshmaiah	Koneru Lakshmaiah	Jointly by Koneru	SVIC SOC Pvt.Ltd.,	Cyber Security	20/10/2019

Technology Incubators Foundation (KLTIF)	Technology Incubators Foundation (KLTIF)	Lakshmaiah Education Foundation (KLEF)and Ministry of Electronics Information Technology (MeitY) – TIDE 2.0 under public private partnership		Advisory, Security Services	
Koneru Lakshmaiah Technology Incubators Foundation (KLTIF)	Koneru Lakshmaiah Technology Incubators Foundation (KLTIF)	Jointly by Koneru Lakshmaiah Education Foundation (KLEF)and Ministry of Electronics Information Technology (MeitY) – TIDE 2.0 under public private partnership	Aqua Solutions	Smart monitoring and measuring devices for Acqua Culture.	23/12/2019

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Bio Technology	3
Computer Science And Engineering	11
Electronics And Communication Engineering	26
Electrical And Electronics Engineering	1
Mechanical Engineering	6
Chemistry	8
English	6
Mathematics	6
Business School	6

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Bio Technology	23	3.24
National	Bio Technology	8	1.92
International	Civil Engineering	161	3.24

National	Civil Engineering	6	1.92
International	Computer Science And Engineering	458	3.24
National	Computer Science And Engineering	66	1.92
International	Electrical And Electronics Engineering	118	3.24
National	Electrical And Electronics Engineering	7	1.92
International	Electronics And Communication Engineering	424	3.24
National	Electronics And Communication Engineering	91	1.92
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Computer Science And Engineering	535
Electronics And Communication Engineering	403
Electrical And Electronics Engineering	84
Mechanical Engineering	139
Civil Engineering	140
Physics	37
Chemistry	48
Mathematics	107
English	64
Bio Technology	116
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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
PHYSIOLOGICAL DATA MONITORING AND NOTIFICATION SYSTEM AND METHOD EMPLOYED THEREOF	Published	201841002292	26/07/2019
PCA-LSTM DEEP LEARNING METHOD FOR HYBRID FORECASTING OF IONOSPHERIC DELAYS	Published	201941003447	02/08/2019

GEOPOLYMER CONCRETE USING GROUND GRANULATED BLAST FURNACE SLAG (GGBS) AND METAKAOLIN (MK	Published	201941024995	12/07/2019
APPLICATION OF LI-FI TECHNIQUE IN HOMAUTOMATION AND SECURITY PURPOSES	Published	201941024517	12/07/2019
CUCKOO SEARCH BASED METHOD FOR FRACTAL IMAGE COMPRESSION	Published	201941024392	12/07/2019
OBJECT RECOGNITION SYSTEM AND METHOD THEREOF	Published	201931025787	12/07/2019
SYSTEM AND METHOD FOR PLANT PATHOLOGY IN IMPROVING CROP DISEASE RESISTANCE	Published	201841001453	19/07/2019
SYSTEM AND METHOD FOR USING BIOMETRIC DATA FOR PROVIDING SECURITY AND IDENTIFICATION	Published	201841001452	19/07/2019
METHOD FOR RISK MANAGEMENT OF WEB BASED INFORMATION	Published	201841001454	19/07/2019
IMPLANTABLE MEDICAL DEVICE ACTUATED BY PIEZOELECTRIC EFFECT	Published	201841002291	26/07/2019

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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Design and analysis of CMOS RF receiver front-end of LNA for wireless applications	Mudavath M., Kishore K.H., Hussain A., Boopathi C.S.	Microprocessors and Microsystems	2020	14	Koneru lakshmaiah education foundation (Deemed to be university)	8
Career	Sasi	Internat	2019	15	Koneru	6

guidance through TIC-TAC-TOE game	Bhanu J., Sastry J.K.R., Sunitha Devi B., Chandra Prakash V.	ional Journal of Emerging Trends in Engineering Research			lakshmaiah education foundation (Deemed to be university)	
Intelligent control strategy for energy management system with FC/battery/SC	Sai Chandan R., Sai Kiran T.L., Swapna G., Vijay Muni T.	Journal of Critical Reviews	2020	16	Koneru lakshmaiah education foundation (Deemed to be university)	13
Energy management in a DC microgrid with energy storage system	Muni T.V., Varma P.S., Priya S.K., Bhavya J., Rajasekhar S.	Journal of Advanced Research in Dynamical and Control Systems	2020	19	Koneru lakshmaiah education foundation (Deemed to be university)	14
IoT based smart battery station using wireless power transfer technology	Vijay Muni T., Satya Pranav A., Amara Srinivas A.	International Journal of Scientific and Technology Research	2020	21	Koneru lakshmaiah education foundation (Deemed to be university)	19
Thermomechanical reliability assessment of solder joints in a photovoltaic module operated in a hot climate	Jiang N., Ebadi A.G., Kishore K.H., Yousif Q.A., Salmani M.	IEEE Transactions on Components, Packaging and Manufacturing Technology	2020	22	Koneru lakshmaiah education foundation (Deemed to be university)	15
Design and verification of Asynchronous FIFO with novel architecture using verilog	Yadlapati A., Kakarla H.K.	Journal of Engineering and Applied Sciences	2019	30	Koneru lakshmaiah education foundation (Deemed to be university)	15

HDL						
Enhancement of power quality in a grid connected UDE based PV inverter	Muppavarapu M., Rajasekhar G.G., Muni T.V., Prakash R.B.R.	Journal of Critical Reviews	2020	14	Koneru lakshmaiah education foundation (Deemed to be university)	12
Trust-Based Intrusion Detection and Clustering Approach for Wireless Body Area Networks	Anguraj D.K., Smys S.	Wireless Personal Communications	2019	13	Koneru lakshmaiah education foundation (Deemed to be university)	13
Multi constraints applied energy efficient routing technique based on ant colony optimization used for disaster resilient location detection in mobile ad-hoc network	Malar A.C.J., Kowsigan M., Krishnamoorthy N., Karthick S., Prabhu E., Venkatachalam K.	Journal of Ambient Intelligence and Humanized Computing	2020	13	Koneru lakshmaiah education foundation (Deemed to be university)	9
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
An Optimal Information Hiding Approach Based on Pixel Value Differencing	Sahu A.K., Swain G.	Wireless Personal Communications	2019	22	19	KONERU LAKSHMAIAH EDUCATION FOUNDATION (Deemed to be University)

and Modulus Function						
A deep learning process for spine and heart segmentation using pixel-based convolutional networks	Saikumar K., Rajesh V., Ramya N., Ahammad S.H., Kumar G.N.S.	Journal of International Pharmaceutical Research	2019	23	14	KONERU LAKSHMAIAH EDUCATION FOUNDATION (Deemed to be University)
A low power 8-bit current-steering DAC using CMOS technology	Ramakrishna P., Nagarani M., Hari Kishore K.	International Journal of Innovative Technology and Exploring Engineering	2019	23	14	KONERU LAKSHMAIAH EDUCATION FOUNDATION (Deemed to be University)
Rf front-end design of inductorless cmos lna circuit with noise cancellation method for iot applications	Mudavath M., Kishore K.H.	International Journal of Innovative Technology and Exploring Engineering	2019	23	14	KONERU LAKSHMAIAH EDUCATION FOUNDATION (Deemed to be University)
Fast acting mppt controller for solar pv with energy management for dc microgrid	Vijay Muni T., Lalitha S.V.N.L.	International Journal of Engineering and Advanced Technology	2019	23	20	KONERU LAKSHMAIAH EDUCATION FOUNDATION (Deemed to be University)
Experimental studies on engine performance and emission characteristics using castor biodiesel as fuel in	Arunkumar M., Kannan M., Murali G.	Renewable Energy	2019	28	25	KONERU LAKSHMAIAH EDUCATION FOUNDATION (Deemed to be University)

CI engine						
QoS-aware cloud service composition using eagle strategy	Gavvala S.K., Jatoth C., Gangadharan G.R., Buyya R.	Future Generation Computer Systems	2019	32	28	KONERU LAKSHMAIAH EDUCATION FOUNDATION (Deemed to be University)
A review: On path planning strategies for navigation of mobile robot	Patle B.K., Babu L G., Pandey A., Parhi D.R.K., Jagadeesh A.	Defence Technology	2019	35	19	KONERU LAKSHMAIAH EDUCATION FOUNDATION (Deemed to be University)
Design and verification of Asynchronous FIFO with novel architecture using verilog HDL	Yadlapati A., Kakarla H.K.	Journal of Engineering and Applied Sciences	2019	36	19	KONERU LAKSHMAIAH EDUCATION FOUNDATION (Deemed to be University)
Trust-Based Intrusion Detection and Clustering Approach for Wireless Body Area Networks	Anguraj D.K., Smys S.	Wireless Personal Communications	2019	38	27	KONERU LAKSHMAIAH EDUCATION FOUNDATION (Deemed to be University)

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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	239	1515	23	78
Presented papers	108	209	1	Nill
Resource persons	32	86	32	33

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Computer Science And Engineering	Developing a software tool for image classification	ARETE IT SERVICE--	38940
Electronics And Communication Engineering	High gain flexible liquid crystal polymer based printed antenna for millimetric wave applications	Aiboz RD Pvt. Ltd	40000
Bio Technology	Quality Test-Mushroom cultivation and packing	Amudhu Agro Farm,Nammakal, Tamilnadu	31000
Electronics And Computer Engineering	Design and Development of System for Monitoring Conserving Energy in Movable and Immovable Objects	Aqura Infotech,Visakhapatnam	40000
Computer Science And Engineering	Mobile Sms spam filter techniques using machine learning techniques	Bcube Hitech City S S Constructions,Hyderabad	119500
Mechanical Engineering	How disclosure laws impact market efficiency - with special reference to SEBI and LODR regulations	BSE-IPF	80000
Electronics And Communication Engineering	Design and analysis of circularly polarized quad band antenna for WLAN/LTE/ISM band applications	Jawaharlal Nehru Govt. Engineering College Sundernagar, Distt. Mandi (H.P.)-175018 Department of Electronics and Communication Engineering	2000
Chemistry	Synthesis of organic molecules	Chaitanya Enterprises,Hyderabad	41300
Electronics And Communication Engineering	Design and development of metamaterial inspired conformal triband antenna for Microwave sensing applications	Chandrakala Scan Systems	40000
Computer Science	A systematic	Creative Experts	500000

| And Engineering | approach for data hiding using cryptography and steganography | Pvt. Ltd.,Hyderabad | | |

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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Business School	Leadershio Excellence: An Alternate Approach	Safe Environ, Devi Industries, Hindustan Coca-cola Beverages, Jasper Automobiles (P) Ltd.	185000	28
Business School	Hands on Analytivs for young Professionals	ECS Software, Health 2 Home, RR Wealth Services, Mohan Spintex, Redesign, ealth fitness.	156000	30
Business School	Analytics for Strategic decision making	Sree Anantha Lakshmi Spinning Mills, Manipal Hospital, MARSCO, Hyderabad.	162000	24
Business School	Effective Sales and Marketing Skills	Prashanth Hospital, Ramesh Hospital, Konacc ECS Software.	165000	23
Business School	CRM for profitability	Health 2 Home, RR Wealth Services, Mohan Spintex, Redesign Health fitness, Sree Anantha Lakshmi.	152000	20
Business School	Finance for Non-Finance	Hil Ltd Kondapalli, Kusalava Hyundai, prashanth hospital, Sangam Milk Producer, Gudlavalleru	217200	38

Business School	Optimal Resource allocation to increase the profitability	Konacc Diagnostics, First Choice investments Advisory Services, IKYA, Redesign Wellness.	198650	26
Business School	Building Powerful Leadership	Colgate-Palmolive India, The Hindustan Automobiles, Prakash Group of Constructions, Infosys, Atma Lubricants.	180162	32

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3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Rain Water Harvesting	KLEF-CEA	2	52
Organ Donation Camp	KLEF-CEA	2	441
Sishubodhana	KLEF-CEA	2	21
Awareness on Importance of Plantation Of Saplings	KLEF-CEA	3	41
Kargil Vijay Diwas	KLEF-CEA	2	79
Distribution of Clay Ganesh Idols	KLEF-CEA	6	80
Seasonal Diseases Awareness Campaign	KLEF-CEA	5	62
Awareness on Cyber Crimes	KLEF-CEA	18	1200
Tech Speak-2.0	KLEF-CEA	14	147
Wellbeing out of Waste	KLEF-CEA	7	258

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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Blood Donation Camp(YRC)	Appreciation	Government General Hospital, Vijayawada	132
Blood Donation Camp, NSS	Appreciation	Lions Club Vijayawada	62
Special Camp	Appreciation	Prathuru Grama Panchayat	50
Blood Donation Camp, NSS	Appreciation	Government General Hospital, Vijayawada	300
National Credit Corps	NCC - Combined Annual Training Camp III, IV,V	NCC	70
National Credit Corps	NCC - Advanced Leader ship Camp-III	NCC	1
National Credit Corps	NCC - "B" Certificate	NCC	38
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Awarness Programme	KLEF-CEA	Rain Water Harvesting	2	52
Awarness Programme	KLEF-CEA	Organ Donation Camp	2	441
To educate the children of Daily wage workers	KLEF-CEA	Sishubodhana	2	21
Awarness Programme	KLEF-CEA	Awareness on Importance of Plantation Of Saplings	3	41
Tribute to Kargil Soldiers	KLEF-CEA	Kargil Vijay Diwas	2	79
Protecting the nature through clay idols	KLEF-CEA	Distribution of Clay Ganesh Idols	6	80
Awareness Campaign	KLEF-CEA	Seasonal Diseases Awareness Campaign	5	62
Awareness	KLEF-CEA	Awareness on	18	1200

Programme		Cyber Crimes			
Recycling awareness programme	KLEF-CEA	Wellbeing out of Waste	7	258
Awareness on Internet use in Villages	KLEF-CEA	Awareness on Usage of Internet in Villages	3	53

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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Collaberative Patent publications -201931025787	Dr. Rabinarayan Satpathy, Dr. Srinivas Prasad , Dr. D Haritha	Koneru Lakshmaiah Education Foundation(Deemed to be university)	190
Collaberative Patent publications -201941021599	S. NAZEER HUSSAIN, Dr. D. VISHNU VARDHAN , Dr. K. HARI KISHORE , Dr. B. ABDUL RAHEEM , Dr. SURESH KALLAM , Dr. SHAIK BAJIDVALI	Koneru Lakshmaiah Education Foundation(Deemed to be university)	210
Collaberative Patent publications -201931024838	Dr. Rabinarayan Satpathy, Dr. Srinivas Prasad , Pragnyaban Mishra	Koneru Lakshmaiah Education Foundation(Deemed to be university)	210
Collaberative Patent publications -201941032402	Dr. Jayapandian.N, Mr. Ganesan Dhandapani , Dr. T.Samraj Lawrence , Dr. Faritha Banu J , Dr. Smitha Chowdary Ch , Dr. M. Mary Sujatha , Mr. R. Deenadhayalan	Koneru Lakshmaiah Education Foundation(Deemed to be university)	210
Collaberative Patent publications -201941034928	Dr.Kolla Bhanu Prakash, Dr.S.Balamurugan , Ms.K.Meghana , Dr.Amarendra Kothalanka	Koneru Lakshmaiah Education Foundation(Deemed to be university)	240
Collaberative Patent publications -201931034352	Dr.G.Sreeram, Dr.P.Valarmathie , Dr.K.Parthiban , Dr.Pradeep Sunkari , Dr. Nikhat Parveen , Ms. Arpita Roy	Koneru Lakshmaiah Education Foundation(Deemed to be university)	240
Collaberative	Dr. MOHAMMED ALI	Koneru Lakshmaiah	240

Patent publications -201941036573	HUSSAIN, Dr. K. SWATHI , Dr. D. KAVITHA , RAMINENI VIJAYA , T.KRANTHI KUMAR , V.RAHUL	Education Foundation(Deemed to be university)	
Collaberative Patent publications -201941033063	DR. R SUNDER, SITANATH BISWAS , DR. NIKHAT PARVEEN , DR. NILU SINGH , DR. A. JOHN , DR. ENIREDDY VAMSIDHAR	Koneru Lakshmaiah Education Foundation(Deemed to be university)	240
Collaberative Patent publications -201941038177	Dr. Kamalapuram Khaja Baseer, Virkam Neerugatti , V. Uday Kumar , Gurukumar Lokku , K. Sathish	Koneru Lakshmaiah Education Foundation(Deemed to be university)	240
Collaberative Patent publications -201941038130	Dr.Malladi Srinivas, Dr.Kolla Bhanu Prakash , Dr.S.Balamurugan , Dr.T.Pavan Kumar , Dr.Malladi Ravi Sankar	Koneru Lakshmaiah Education Foundation(Deemed to be university)	240
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					
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3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
IMAGINXP	04/12/2019	UX Integrated Program for BE /Btech	60
ANU HOSPITALS	10/12/2019	Internships, medical camps, research activities	5
SAS SOLUTIONS, GUNTUR	03/01/2020	Research collaboration, faculty student trainings	19

YONSEI UNIVERISTY	29/11/2019	Exchange of students, Research collaboration, Promotimg academic programs, Organization of symposia, conferences and meeting	Nill
NORTHERN ILLINOIS UNIVERSITY, USA	01/12/2019	Faculty Excahnge, Student Exchange, Joint workshop	2
CENTRE OF EXCELLENCE IN MARITIME SHIPBUILDING (CEMS)	17/07/2019	Faculty training, student training, research, skill development programs	20
ANDHRA PRADESH SATE SKILL DEVELOPMENT CORPORATION (APSSDC)	26/07/2019	Faculty training, student training	204
PIXENTIA SOLUTIONS	30/07/2019	Curriculum design, Industrial training and visits, Internships placement of students, Research Development activities, skill development programs, guest lectures, faculty development programs	3
KELTRON	20/09/2019	Internships, hands on training, FDP	60
VALUE THOUGHT IT SOLUTIONS PVT. LTD.	25/10/2019	Preparing course content, Faclitate RD, Training students in Drone technology	30
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
6727	7195

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added

Campus Area	**Existing**
Class rooms	**Existing**
Laboratories	**Existing**
Seminar Halls	**Existing**
Classrooms with LCD facilities	**Existing**
Seminar halls with ICT facilities	**Existing**
Video Centre	**Newly Added**
Value of the equipment purchased during the year (rs. in lakhs)	**Newly Added**
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	**Newly Added**
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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
KOHA	**Fully**	**19.05**	**2019**

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	**138278**	**60183320**	**4448**	**3522376**	**142726**	**63705696**
Reference Books	**27717**	**12095680**	**687**	**1285707**	**28404**	**13381387**
e-Books	**3298166**	**Nill**	**Nill**	**795549**	**3298166**	**795549**
Journals	**472**	**Nill**	**Nill**	**1531560**	**472**	**1531560**
e-Journals	**31982**	**Nill**	**Nill**	**2751570**	**31982**	**2751570**
Digital Database	**4**	**Nill**	**Nill**	**492822**	**4**	**492822**
CD & Video	**11099**	**42000**	**448**	**Nill**	**11547**	**42000**
Weeding (hard & soft)	**Nill**	**Nill**	**Nill**	**Nill**	**Nill**	**Nill**
Others(specify)	**1**	**13570**	**1**	**37805693**	**2**	**37819263**
Library Automation	**4**	**604860**	**3**	**413000**	**7**	**1017860**
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 4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr Vijay Babu	CPU Organization	http://www.kluonline.edu.in/	01/07/2019
Dr A Anuradha	Introduction to Business Organization	http://www.kluonline.edu.in/	01/07/2019
Dr Abhilasha Ambatipudi	Performance Management	http://www.kluonline.edu.in/	01/07/2019
Dr Ch Balaji	Demand Analysis	http://www.kluonline.edu.in/	01/07/2019
Dr J Venkata Ramana	Measures of Central Tendency	http://www.kluonline.edu.in/	01/07/2019
Dr K Rajya Lakshmi	Simple Interest and Compound Interest	http://www.kluonline.edu.in/	01/07/2019
Dr K V B Ganesh	Factors Effecting on Business Environment	http://www.kluonline.edu.in/	01/07/2019
Dr M S Narayana	Generalization In Research	http://www.kluonline.edu.in/	01/07/2019
Dr RSV Rama Swathi	Delegation and Decentralization	http://www.kluonline.edu.in/	01/07/2019
Dr. C M Sheela Rani	Propositional Logic	http://www.kluonline.edu.in/	01/07/2019
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	5345	55	10240	130	22	320	325	10240	0
Added	100	0	0	0	0	0	0	0	0
Total	5445	55	10240	130	22	320	325	10240	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

10240 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Video centre and media laboratory-1	https://www.kluniversity.in/iqac-files/agar2019-2020/pnd/Media-Centre-1.mp4
Video centre and media laboratory-2	https://www.kluniversity.in/iqac-files/

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
499.33	494.84	1025.02	1010.77

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

KLEF Maintenance Management System is subdivided as Physical, Academic and Support facilities. PHYSICAL FACILITIES:Maintenance and Construction inspectors conduct check buildings, landscape, equipment, etc. INFRASTRUCTURAL FACILITIES: Course-work Facilities: Class rooms, Labs, Seminar Halls, Library SUPPORT FACILITIES: Canteen, Transport, Hostels, Guest House, Bank and Post Office UTILITIES: Electricity, Water, Communication WELFARE FACILITIES: Refreshing Rooms, First-Aid, Transport KLEF MMS follows standard procedures like Maintenance request-Service-Satisfaction and feedback cycle for all repairs and services undertaken. Physical facilities comprise General maintenance, Environmental services, Building trades, Horticulture, Electrical maintenance etc. Directives and Procedures in force Capital Planning and Implementation Procurement and Purchase Inventory Disposal of Surplus Furniture and Equipment Item Request Raise and Allotment Steps Shifting and Lock and Key Control Maintenance Request Procedure Satisfaction and Feedback Report The additional special services include Shifting and Moving, Life Safety Services. The Central Library has following procedures in place Providing and employing suitable tools for the display of library books 1. OPAC 2. Implementation of ERMP for Ejournals 3. Operating Library Website ICT deployment in library 1. Library Automation 2. Development of Institutional Repository 3.Stock verification Software Maintenance:All software is purchased through Associate Dean IT with a support and maintenance contract. Computers, Servers and Network Management: Servers and Systems, Virus Detection, User Access Management, Systems Development and Maintenance. GROUNDS CUSTODIAL SERVICES: Classrooms, Lecture Halls and Conference Rooms: services in Daily : Cleaning, Floors dust mop, wet mop, High and low dusting Graffiti removal Emptying wastebaskets and replacing liners. OFFICES services in weekly basses: Cleaning, Walls and doors, Empty wastebasket, Furniture dusted, Floors or carpet(dust mop and wet mop or vacuum) and by request Carpet cleaning/shampooing Cleaning of stair walls Handrails, Steps and landings sweep and wet mop high and low dusting done on Weekly. RESTROOMS services in daily basses: Checking Dispensers fully supplied and operating properly, Disinfecting all Washbasins and restrooms, Cleaning Mirrors, Partition doors and walls, Toilets and urinals, Refuse emptied and liner replacement, High and low dusting. In weekly basses Strip and re-seal floor. In LABORATORIES services in weekly: Dust mop and wet mop floor, High and low dusting, Bi-weekly: Empty wastebaskets, Disinfected daily: Student Healthcheck rooms, By request: Window, Carpet cleaning. GROUNDS SERVICES in weekly: Mow lawns, cleaning walkways. Fortnightly: Prune foundation shrubs, Edge lawns. Scheduled to meet plant needs, repairs as needed: Irrigation, Checked Monday thru Friday, liners replaced daily or thrice a week: Exterior refuse-containers including refuse component of recycle clusters. BUILDING MAINTENANCE SERVICES when needed: Heating, ventilating and air-conditioning equipment. As needed: Replacing light bulbs, switches, circuit-breakers, fixtures, wiring, Plumbing fixture repairs, Repairs to doors windows, ceiling, floor tiles, Roof repairs, Elevator maintenance. on request: Window washing,

Interior painting, Exterior pavement pressure washing. As required by equipment: Safety Equipment. Inspected monthly: Wall-mounted fire-extinguishers. ENTRANCE LOBBIES, HALLWAYS AND ELEVATORS Daily: Cleaning entrance doors, glass, handles, frame and mats, Cleaning floors, wastebins, elevators. Bi-weekly: Floors wet- mopping, As needed: Walls free of dust and soil.

https://www.kluniversity.in/IQAC-FILES/AQAR2019-2020/4.4.2.PDF

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	From institution	12996	334943441
Financial Support from Other Sources			
a) National	National	33	3869800
b)International	International	64	22348281
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Soft skill development	01/07/2019	1983	KLEF
Life Skills (Yoga and Meditation)	01/07/2019	720	KLEF ,HEARTFULNESS,RAMA KRISHNA MISSION
Language Communication Skills	01/07/2020	2731	KLEF ,CAMBRIDGE PRESS
Guidance for competitive examinations,	01/07/2019	479	KLEF,GATE ACADEMY,MANYA
Career Counselling	01/07/2019	3613	KLEF , EXPERTS FROM INDUSTRY
Awareness on trends in technology	01/07/2019	6531	KLEF , DEPARTMENT MOUS WITH INDUSTRY
Personal Counselling	01/07/2019	2214	KLEF
Remedial coaching	01/07/2019	4867	KLEF
Bridge courses	01/07/2019	2689	KLEF
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the	Number of	Number of	Number of	Number of

scheme	benefited students for competitive examination	benefited students by career counseling activities	students who have passedin the comp. exam	studentsp placed
2019 **Guidance for Competitive Examinations and career counselling**	**1047**	**9394**	**305**	**2567**

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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
26	**26**	**4**

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Servicenow	**55**	**4**	**Agarwal Foundaries PVT LTD**	**16**	**1**

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	**Nill**	**Nill**	**Nill**	**Nill**	**Nill**

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	**17**
GRE	**91**
TOFEL	**184**
GMAT	**2**
CAT	**1**
Any Other	**10**

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Femflare	National Level	2000
All India Inter University Target ball Women Tournament	National Level	288
KL Memorial Trophy	National Level	491
South Zone Inter University Table Tennis Women Tournament	National Level	240
NAATAK-20 (Online mono acting competitions)	National Level	28
Nrithya -20 (Online Dance Competitions)	National Level	45
MOVIE MAGIC-20 a National level short film competitions	National Level	95
Youth Empowerment and Entertainment Programme "Young Tarang" Association with TANA	National Level	240
Raaga-20 a National level music competitions	National Level	114
SAMYAK-19	National Level	3752
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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	1st Prize, 3rd Place-Chess	International	3	Nill	194240001	D.Bala Chandra Prasad
2019	1st Prize-Kabaddi	International	1	Nill	190031633	T.Hari Kalyan
2019	3rd Place-55kg-Karate,Kumite	International	2	Nill	190570034	Sk.Sahil Ahmed
2019	2nd Place-Rifle Shooting	National	1	Nill	180030426	D.Kavya Supriya
2019	1st Place-55kg-Karate (kumite)-55kg, 3rd Place-55kg-Karate (ka	National	2	Nill	190570034	Sk.Sahil Ahmed

2019	1st Place Karate - Kumite, 3rd Place - Kumite	National	2	Nill	160040679	P.Aditya Sai Ram
2019	2nd Place Kumite, 2nd Place Karate - Kumite	National	2	Nill	190040027	A.Bhargava Prasanna Kumar
2019	1st Place Shot-put, 1st Place Shot-put, 1st Place Shot-put, 1st Place Shot-put, 2nd Place Shot-put, 1st Place, Discus Throw,1st Place, Discus Throw	National	7	Nill	190040308	Manikanta.D
2019	1st Place in 400 Mt Running, 2nd Place in 200 Mts and Shot-put, 3rd Place in 200 mt-2times 400 mt-800 mt-100 mt -800 mt-4x100 Mts Relay-Athletics 400 mts Running-Long Jump	National	12	Nill	160041025	R.Anvesh
2019	2nd Place-Inline Hockey (Senior Men)	National	1	Nill	170030466	J.Abhishek
			[View File](#)			

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

STUDENT COUNCIL KLEF University has a student council comprising 20 student representatives (10 each of boys girls).Of these 10 members are selected on the basis of academic performance as well as various literary competitions. The other ten members are nominated by the respective Heads of the Departments. Student Council is a central body which monitors the academic, co curricular and cultural events like Samyak, Surabhi, NSS and NCC and all the other events organised in and around the university campus. The Student Council plays an active role in scheduling and implementing these programmes and also in mobilizing the infrastructural and manpower requirements for the conduct of various state-level or National-level festivals. Apart from the Student Council, the University has various committees with adequate student representation. BOARD OF STUDIES : Committee members including student and Alumni nominees meet once every semester. Experts from Academia, and the Industry, Professors in the Department, Professor from a national university, student members and alumni of the department finalize the curriculum for the coming academic year based on the feedback and suggestions of the Expert Committee. The student nominees play an important role in providing the feedback from the students on such aspects as the length and duration of the syllabus, the relevance of the topics, the need to include any new topics, etc. The Board of Studies is supported by feeder committees with the DAC (Departmental level academic council) and the DDC (Departmental Level Development committee). These bodies have adequate representation of students who provide feedback on the syllabi and implementation. LIBRARY ADVISORY COMMITTEE: The Library Advisory Committee members meet once every month to discuss availability of books, periodicals and journals and procurement of new titles. Students representing all branches are made members. Opinion of the students on matters related to adequacy and availability of books, e-resources, new titles and other facilities are considered. HOSTEL ADVISORY COMMITTEE (BOYS GIRLS): The Boys' and Girls' Hostels have separate committees. The members including student representatives meet once a month to discuss issues as per agenda and initiate remedial actions. The various sub-committees in each of these hostels are Food Committee, Maintenance Committee, Discipline Committee, etc. TRANSPORT ADVISORY COMMITTEE: (Girls Boys) The Transport Advisory Committee including student representatives meet once a month to sort out the grievances like adequacy of seating, timings, extension of service, providing additional stops ,etc. SPORTS ADVISORY COMMITTEE: Members of the committee, including student representatives, meet once a month and take up agenda items like existing facilities, forthcoming tournaments, scheduling of practice timings to various departments, coaching facilities, etc. CANTEEN AND CAFETERIA COMMITTEE: Members of the committee including student representatives meet once a month to discuss various points related to food quality, taste, hygiene levels, pricing of items, etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

YES we have registered Alumni Association formed in 2013 with seven local chapters in India and one in USA, Alumni are one of the main stakeholders of the University as they contribute immensely to the development of the university in multiple dimensions. Every chapter is provided with an administrative setup to provide interface with the alumni of all local chapters and University. Alumni of the university are providing mentoring services to all department students of the university this became influential in making the students understand the industry institute gap and also the way to plan and

shapeup their career in right direction. and making the students to understand various business opportunities and providing all the support required for preparing the students to become industry ready or to make as entrepreneurs by knowing the current dynamics of the industry. The university is conducting many alumni based events like online virtual meets, Reunions, Silver jubilees celebrations for each of the batch which has completed 25 years after their graduation, Mentoring sessions, Guest lectures and knowledge sharing sessions, During the events, the Alumni are sharing their success stories to the ongoing students. Alumni are influential in introducing the outcome based education in the University making the students valued based and making students industry ready through mentor-mentee programs by assigning alumni to each student across departments starting from second year of their degree and from first year for non engineering departments. Alumni are invited for participating in their respective BoS for curriculum updates and in reviewing the syllabi, bridging the gap between industry requirements and academics by restructuring the syllabi. They could bring the need for tool-based learning, conducting project-based labs and hackathons. The faculty centric learning has been moved to student centric learning through flipped classroom model. Alumni have deliberated on concentrating on industry-based research projects and undertaking consultancy based on the expertise of the faculty and the kind of research labs supported by the university. They have helped the University in bringing in funding from non-governmental organizations. The Alumni working at reputed institutes located globally are helping research scholars in their research and developmental activities, through faculty development programs to faculty and supporting in developing Start-Up eco system for students in campus. Alumni are helping to develop quality standards that could be used for enhancing and raising high quality of delivery of educational system. Alumni have helped the university in developing different software's and Apps that are helpful in the administrative and functional assistance. The cloud-based computing was setup in the university under the knowhow and expertise of the University. From this semester we are giving 'Professional Recognition Awards' and 'Life Time Achievement Award' to our beloved alumni, based on their achievements and their services rendered to the society through proper scrutiny by experts by forming committee awardees will be selected and all these prominent alumni will be inspiration and role models to present students.

5.4.2 – No. of registered Alumni:

35412

5.4.3 – Alumni contribution during the year (in Rupees) :

2687000

5.4.4 – Meetings/activities organized by Alumni Association :

1. Alumni silver jubilee celebrations for batch of 1990-94 on 08-03-2019. 2. Surabhi Alma was conducted on 19th 20th September, 2020. 3. Alumni guest lecture by Mr. CH. Ajay Babu on "Supply Chain Management" in the department of Mechanical Engineering on 7th November, 2019 4. Alumni guest lecture by Mr. Sai Jagadish on "DEVOPS" in the department of Computer Science and Engineering on 20th July, 2019 5. Alumni guest lecture by Ms. Divya on "Bioinformatics" in the department of Biotechnology on 20th July, 2019 6. Alumni guest lecture by Mr. Vijay Kumar on "Importance Of Bioinformatics In Gentic Enginnering" in the department of Biotechnology on 20th July, 2019 7. Alumni guest lecture by Mr.G. Chakravarthy on "Artifical Intelligence and Development" in the department of Electronics and Computer Engineering on 29th July, 2019 8. Alumni guest lecture by Mr. G. Sarath Chandu on "Artifical Intelligence and Development" in the department of Electronics and Computer Engineering on 29th July, 2019 9. Alumni guest lecture by Mr. S. Shanmukh on "Virtulization and Cloud Security" in the

department of Bachelor of Computer Application on 30th July, 2019 10. Alumni guest lecture by Mr. Gopi Raja on "Drone Design Piloting" in the department of Electrical and Electronics Engineering on 31st July, 2019 11. Alumni guest lecture by Mr. Porna Sai Ram on "How to Develop Career Development Skills" in the department of Bachelor of Hotel Management on 8th May, 2019 12. Alumni guest lecture by Mr. R. Sudheer on "Data Science Engineer" in the department of Computer Science and Engineering on 8th June, 2019 13. Alumni guest lecture by Mr. Sai Siva Kumar Burra on "Computer Networks and Preparation for core industry" in the department of Electronics and Communication Engineering on 8th June, 2019 14. Alumni guest lecture by Mr. P. Naheen Khan on "Data Science Engineer" in the department of Computer Science and Engineering on 8th June, 2019 15. Alumni guest lecture by Mr. DJP Kiran on "Sharing his Experience" in the department of Bachelor of Commerce on 8th July, 2019 16. Alumni guest lecture by Ms. Mounika on "Opportunities for Petroleum Students in Higher Studies at Aborad" in the department of Petroleum Engineering on 11th August, 2019 17. Alumni guest lecture by Mr. George Lin Prince on "Recent Trends in Automobile Industry" in the department of Mechanical Engineering on 18th August, 2019 18. Alumni guest lecture by Mr. Majeti Prasad on "Career Sustainability" in the department of Mechanical Engineering on 18th August, 2019 19. Alumni guest lecture by Mr. G Praphul Krishna on "Techniques of Commercial Photography" in the department of Fine Arts on 23rd August, 2019 20. Alumni guest lecture by Mr. Siva Gangadhar Rao Venna on "Applications of Power Electronics" in the department of Electrical and Electronics Engineering on 30th August, 2019 21. Alumni guest lecture by Mr.Nagur Vali SK on "Role of HR as A Leader" in the department of Master of Business Administrat

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

KLEF University has a well laid practice of decentralization and participative management. Different committees, boards, councils, forums and cells are constituted viz., Board of Management, Academic Council, Board of studies,Research Board, etc. The roles and responsibilities of office bearers and authorities and the structure of such organisational units are defined at the time of formation as per the UGC regulations. The members of various organisational units are nominated from different disciplines basing on their individual interests, preferences and competencies observed. Students are also nominated to the departmental and university level units to contribute and participate in the discussions related to various academic and administrative issues and matters. The necessary actions to be taken are deliberated further. Planned and scheduled working, coordinated discussions, agenda based discussions, recording resolutions, entrusting responsibility and follow up with actions to be taken etc., are practised in the organisational units. Every member is free to express views and opinions within the laid boundary line. However, the decision of the chairperson of the organisational unit remains final and binding. A case study showcasing the practice of decentralization and participative management in KLEF University is discussed below. To ensure the realisation of vision and mission of the university the design and development process of curriculum is initiated with need analysis that takes into consideration the stated customer needs, implied needs, overall goals of the university and statutory requirements of bodies like AICTE, UGC MHRD, etc. Dean Academics provides a general framework of curriculum for each of the programmes. He considers the recommendations of the statutory bodies, student workload, all round development and competitiveness of the students, active learning methods, global, regional and local needs, evaluation patterns etc. The same is appraised to the HoD of departments. Every department in the

university takes into cognizance the feedback of all the stakeholders such as students, parents, employees, peers, course instructors, course coordinators and invites suggestions and modifications. Two committees are constituted at department level, DAC (Department Level Academic council) and DDC (Department Level Development Council). Based on the deliberations of DAC DDC new requirements are identified and a statement of changes required for updating curriculum is prepared. DAC gives these inputs and the infrastructural requirements to Board of Studies (BOS) for consideration and approval of changes. The BOS deliberates the same and forwards it to the Dean Academics for further action. The Dean Academics reviews the submission and synchronizes into the university framework such as the limit of teaching hours, credits for the programme etc., The Dean Academics with necessary suggestions reverts the same to the department in case of mismatch with university stipulation for further changes. The BOS again deliberates on the recommendations suggested and incorporates necessary changes. The BOS recommendations are once again forwarded to Dean Academics for versioning, monitoring and placing the same in Academic Council (AC) for approval. The same is forwarded to the BOM for final approval and implementation.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	1. Scholarships are offered to SC/ST OBC students and also merit students under marks ranks of boards. 2. Using Digital marketing strategies the applications are accessed by the students from different locations in India and also other countries. 3. The KLEF offers several flexibility for students at both Undergraduate (B.Tech other UG programs) and post graduate (M.Tech, MBA M.Sc level). This includes acceleration deceleration of degree programme, minor degree, degree with specialization, withdrawal and substitution etc. 4. The KLEF is having different colleges and schools, like college of Engineering, Business school, school of Architecture, college of Law, college of Pharmacy..etc. The KLEF offering various UG and PG programs in different areas, this may attract the students from different regions includes foreign to join in the institute.
Industry Interaction / Collaboration	1. Industrial visits are organized for students. 2. Students are sent for one month internship to various reputed industries after the 2nd year B. Tech during their summer break. 3. Students are sent for 6 months monitored internship to various industries during

	their final year engineering. (PRACTICE SCHOOL) 4. Management students are sent for 3 months internship to various reputed industries. 5. Guest lectures are organized with Industrial experts. 6. Workshops are conducted involving Industrial experts. 7. The suggestions of Industrial experts are duly considered in the process of developing curriculum. 8. Certificate courses are conducted which are in accordance with the needs of the industry that enhance the related skills of the students. 9. Campus placements in various reputed companies are provided to all the eligible students. 10. Active M.O.Us are entered with number of industries 11. Started new management program in tie-up with TIMES-PRO
Research and Development	1) To improve the quality of research publications, all the research scholars are recommended to publish their research articles in web of science and Scopus indexed journals only. 2) Faculty are also instructed to publish in Scopus and Web of science indexed journals only.
Examination and Evaluation	To ensure Quality and accountability, Controller of Examinations appoints a panel of external experts to review and give feedback on the Quality of Question Papers and Evaluation. KLEF introduced in campus, time constrained open book examination that allows students to refer to either class notes, textbooks, or other approved material while answering questions. The main premise for open book exams is that teachers can devise questions that require students to answer in more critical and analytical ways thus encouraging high-order thinking skills in their students. Open book system is implemented for a few core and advanced courses of the curriculum. Online proctored exams were practiced for the very first time successfully through the ERP/LMS platforms. The evaluations of these exams were also done online by the teachers and results were published in time.
Teaching and Learning	K.L.E.F. offers a total of 57 programs in the year 2019-20 comprising Engineering, Arts, Science, Management, Architecture, Law and Pharmacy. Subjects are allotted to the faculty depending upon their research

	specialization well before the commencement of semester. During semester break detailed course handouts are prepared with courses outcome indicators, mapping of COs POs, lesson plan, class work schedule etc. Experts in respective subject areas are chosen either from internal faculty or requested from reputed outside organizations to conduct orientation classes under semester readiness program. Entire course content, along with video lectures, animation, PPTs, PDF documents are hosted on KLU-ERP. The classroom delivery adopts both chalk and talk methods and active learning methods, seminars, discussions, quizzes etc which is perfectly student centric methods adopted to involve the students and make the teaching-learning pedagogy an interesting and effective one. PEER learning and flipped classroom learning methods are also introduced in the year 2019-20 to actively involve the students in the process of teaching and learning. Teachers have adopted Online Teaching learning process effectively and made it effective for the learners through their interactive lectures.
Curriculum Development	In the academic year 2019-20 to make the choice-based system more affective many courses are offered with variable credits for the students to choose based on their learning style. Skill based courses are also introduced with a minimum of 4 hours hands-on practice per week carrying one credit. Based on the feedback given by industrial experts the curriculum is designed and syllabus in the core courses is changed according to their needs. A number of certificate courses are introduced as per the industry needs which are being offered at pre-final and final year level for 30 to 40 hours taught by industrial experts. Students opting for full semester internship at far off places are permitted to do the course work through online by choosing equivalent courses from Coursera, NPTEL, EDX etc. Industry run courses were introduced on a pilot basis for a set of students based on the latest trends like UI/UX design.
Human Resource Management	The University maintains Quality in recruiting the HR by following a

	systematic and sequential approach. The various strategies adopted for Quality improvement in HR are The teaching learning process is made e-centric which encourages students to be more learning prone. The institute maintains a central air-condition library in addition to several department libraries. The central library hosts a rich collection of books, international offline and online journals, magazines etc. to promote academic and research work. The entire campus is connected with a thorough hybrid internet (LAN Wire) literally in every part of the University classrooms, sports complex or hostel is connected with Wi-Fi, enabling the faculty and students work in efficient manner. By maintaining standard faculty more than 54 doctorates and faculty-student ratio of less than 1:15 enables optimal sharing of workload among the faculty. The outcome result of research in terms of paper publications, books sanctioned project is duly acknowledged by awarding the respective faculty with price money. Thus, motivating them for more Quality research work. The institute regularly organizes National and International Conferences and also sponsors the faculty to attend outside the campus thereby enabling them to gain latest knowledge in their domain. MOUs are signed with number of foreign Universities for faculty exchange and to undertake collaborative research. Several research centres are established to help the staff to do their Quality research in their interested areas. The above initiatives are taken by the institute with reference to HR management suitable for Quality improvement.
Library, ICT and Physical Infrastructure / Instrumentation	Library: KLU central library is fully automated using Koha, barcode technology, RFID technology, Self – Check-in services, Remote access facility, Mobile App service and Wi-Fi services. ICT : KLEF adopted this information and communications technology(ICT) to all the classrooms, seminar halls and other places where this technology is mostly needed. With this technology the following factors are implemented. - Promotes Learning by doing approach - Enables self-paced learning - Provides access to wide

range of up-to-date learning materials - Enriches learning through a combination of audio, video, images, text and animation - Enhances learning through interaction and collaboration ICT always been used to improve the quality of teacher training as to ensure the teachers could predominate the skills of ICT which in turn can teach the students to help them improving their academic performance. Physical Facilities: As part of development of existing infrastructure normal class rooms are converted into smart class rooms. Technology enhanced classrooms that foster opportunities for teaching and learning by integrating learning technology are created.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Planning and Development	University has developed an ERP for monitoring the PD activities with the following modules. • Infra Amenities meta • Infra room type meta • Infra room amenities meta • Infra room category meta • Infra building meta The Department HOD's after having deliberations in BOS will raise indent for new equipment through ERP. Similarly the maintenance problems either related to furniture r ICT facilities provided in the class rooms are brought to the notice of Planning and Development(PD). through the specific module designed in ERP. The maintenance team receive indent through online and attend the same and report the rectification status in online. Similarly the purchase of new equipment, the indent received are forwarded to higher authorities and finance section. After making through scrutiny by Dean(PD). Based on the strategic plan approved in the BOM the Dean (PD) proposes the purchase of new equipment, infrastructure and new programmes with detailed report through online to the concern authorities and implementation at the beginning of every semester.
Examination	KLEF has established a full-fledged Systems and Technologies (SYTE) department for its IT related activities. All efforts are made to modernize the system of governance

	through the implementation of EGovernance using ERP. In-House developed ERP is providing complete support for on-line student course registration, examination fee management, internal marks uploading, question bank management, Question paper vetting, question paper generation, hall ticket generation and result processing. Bar Coded Answer Booklet (Front page) with all security features are used for scanning of marks that enables coding and decoding of answer scripts electronically. Marks are bubbled in OMR sheet and the sheet is scanned for result processing. During the online exams, the entire process of registration to results were handled through ERP and the exams were conducted smoothly.
Administration	KLEF has an exclusive ERP developed by its own with separate modules for Governance, maintenance and administration. The equipment and infrastructure details are monitored by the Dean (PD) through online. The faculty details, service records, research publications of faculty, feedback analysis and their performance appraisal sheets are under the custody of registrar office and maintained in electronic form. Day-to-day monitoring of faculty affairs is done through online by Dean (Faculty Staff Affairs).Registrar governs the entire University by maintaining the list of students, admission data, category of reservation, gender ratio and the foreign students list through the ERP modules. The faculty leaves approvals salary payment and advance payment etc are also done through online. The registrar also maintains the result analysis of different programs which is available in online and place before the BOM for its remarks and approvals. The financial balance sheet, income and expenditure are also maintained through the financial module in ERP.
Finance and Accounts	KLEF has a separate ERP with finance module to monitor account for daily transactions, faculty wages, student fees, student fines, budget allocation, regarding maintenance of vehicles and the infrastructure index raised for procuring a new equipment, release of advance and payments for faculty

	attending seminars, conferences, workshops and going for foreign trips under foreign exchange etc are completely monitored through online. Every financial year one external audit is held to identify and rectify the anomaly's arising in the balance sheet. Internal audit is a regular practice which happens through online every month. The University has adopted cashless transactions from the Last financial year .
Student Admission and Support	KLEF conducts online entrance examination in the name of KLEEE every year during the month of April. The necessary applications for admission for entrance examination are made available through KLEF website for online submission by the aspirants. The question paper, examination conduction, result declaration is given to third party for transparency and authenticity in the process of admission. In general within a fortnight results are declared and placed on website along with ranks obtained by the candidates. During the counseling the seats are allocated for different branches based on their merit and reservation category through the admission ERP developed by the University. After the admission the academic calendar, timetable, the choice of selecting the subject and teacher are all made available through the teaching-learning module in the ERP. Details of courses, course handouts, examination procedure, evaluation procedure etc. are all hosted in academic learning platform in ERP.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	ADHIKESAVALU PRIYA	RSU nattinal and international research conference	Nill	1500
2019	Mr.YOGESH J PAREKH	Workshop on NBA accredation	Nill	3000
2019	Ms. B N	"NATIONAL	Nill	3000

Year					
	KEERTHY NAIDU	EDUCATION POLICY: FEATURES AND PROSPECTS IN HIGHER EDUCATION			
2019	Mr.BONDA KIRAN KUMAR	COA TTP Architectural Design Pedagogy	Nill		3000
2019	Ms.D LAKSHMI DURGA YAMINI	COA TTP Architectural Design Pedagogy	Nill		3000
2019	Ms.HARSHITHA KUNTAMUKKALA	COA TTP Architectural Design Pedagogy	Nill		3000
2019	Mr.MITALI MADHUSMITA	Workshop on QS ranking	Nill		3000
2019	Mr.D VENKAT MANVITH	"NATIONAL EDUCATION POLICY: FEATURES AND PROSPECTS IN HIGHER EDUCATION	Nill		3000
2019	Mr. SIDDHARTHA NADADHUR	COA TTP Architectural Design Pedagogy	Nill		3000
2019	KOLACHANA RAVI SANKAR	COA TTP Integrated Approach towards Pedagogy of the Design Studio	Nill		1000
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6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020	One-day National Webinar on Programmes and Funding Opportunities from ICSSR ICSSR-SRC	Nill	12/06/2020	12/06/2020	40	Nill

2020	One-day National Webinar on Machine Leaning: Trends and Applications	Nill	06/06/2020	06/06/2020	300	Nill
2020	One-day National Webinar on Writing Good Technical Paper – A Necessary Skill Development	Nill	30/05/2020	30/05/2020	85	Nill
2020	One-day national webinar on ELT and the Divergence Grammar: Phonology and Phonetics	Nill	27/05/2020	27/05/2020	120	Nill
2020	One-day national webinar on "A Postmodern Exploration of Indian English Literature	Nill	14/05/2020	14/05/2020	120	Nill
2020	One-day webinar on "Intellectual Property Rights: A Tool for Enhancing Academic Integrity"	Nill	24/04/2020	24/04/2020	147	Nill
2020	One-day Workshop on "Evaluation Patterns of COURSERA Courses"	Nill	13/03/2020	13/03/2020	60	Nill

2020	One-day Workshop on "Intell ectual Property Rights (IPR)"	Nill	09/03/2020	09/03/2020	30	Nill
2020	One-Day Workshop on "SWEAR Analysis and Effective Student Co unselling"	Nill	03/03/2020	03/03/2020	40	Nill
2020	One-Day Workshop on "The Power of Questions and Higher Order Thinking"	Nill	18/02/2020	18/02/2020	70	Nill
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Two-week workshop on "New Technology Tools for Design Thinking for Innovation"	40	21/08/2019	03/09/2019	14
One-day Workshop on "High Impact Teaching Practices"	30	31/08/2019	31/08/2019	1
One-Day Orientation Lecture on Quantitative Techniques"	120	16/10/2019	16/10/2019	1
A Three – Days Workshop On "Data Science Using R Programming"	45	03/12/2019	05/12/2019	3
One-week FDP Student	65	10/12/2019	16/12/2019	7

Induction Programme on Universal Human Values by AICTE				
One-week Induction Programme on "Instructional Design and Delivery System"	40	06/01/2020	11/01/2020	6
Two-day Workshop on "Universal Human Values" – a programme in continuation of the AICTE sponsored FDP on Universal Human Values under Student Induction Programme	30	06/02/2020	07/02/2020	2
One-day Orientation Lecture on "Active Learning Pedagogies"	120	26/08/2019	26/08/2019	1
One-day Orientation Lecture on "Project Based Learning"	50	23/08/2019	23/08/2019	1
One-day workshop on "Writing Good Research Papers"	75	09/08/2019	09/08/2019	1
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
97	97	55	55

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Provident Fund, Group Savings Linked Insurance (GSLI), Medical and Group Insurance, Reimbursement of Medical Expenses,	Provident Fund, ESI Facility, Group Gratuity Facility, Group Savings Linked Insurance (GSLI), Medical and Group	Free counseling to all the students, Dispensary and ambulance facility, Fitness centers with state of the art

| Sanctioning of Paid Leaves, Education Fee waiver for self education and children education in KLEF, Transportation Fee Concession, Subsidized accommodation charges for Staff Accommodated at Hostels, Loan Facility a) For Purchase of Laptop b) Personal Loan Facility. | Insurance, Reimbursement of Medical Expenses, Sanctioning of Paid Leaves, Education Fee waiver for self education and children education in KLEF, Transportation Fee Concession, Subsidized accommodation charges for Staff Accommodated at Hostels, Loan Facility a) For Purchase of Laptop b) Personal Loan Facility. | equipment, Yoga and Sports, Hobby Clubs, Medical Insurance. |

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

KLEF is conducting both internal and external audits on all the financial transactions that it conducts every year. Internal audits are conducted by a separate cell created within the finance department. The cell conducts audits once in every quarter. M/S Ramana Murthy and Co., Vijayawada has been appointed as external auditors and has been rendering their services for the last eight years. External audit is conducted once in 6 months.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NGOs-Philanthropists	2375550	Student communities engage with NGOs and Philanthropists for donations
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6.4.3 – Total corpus fund generated

285670819

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	ISO	Yes	Dean Quality
Administrative	Yes	ISO	Yes	Dean Quality

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

NIL

6.5.3 – Activities and support from the Parent – Teacher Association (at least three)

1. Feedback on curriculum revision. 2. Suggestions for improvement in Hostel food hygiene and quality. 3. Encouraging on campus accommodation by their wards. 4. Enhanced internet facilities to support online teaching learning. 5. Increased access to e-resources for supporting students to learn online. 6. Decreasing own transport by junior students.

6.5.4 – Development programmes for support staff (at least three)

> **1. One-day Workshop on "Digital Filing: Methods and Approaches, 20-participants, on 17.03.2020. 2. One-week training session on "Fire Extinguisher Demonstration and Safety Methods", 150-Participants, during 12.03.2020 to 18.03.2020. 3. Three-Day Workshop on "Effective Usage of Excel", 70-Participants, during 07/11/19 to 09-11-2019. 4. One-Day workshop on "Formal Drafting Skills in English", 30-Participants, on 17.09.2019. 5. One-Day workshop on "Fire Extinguisher Demonstration, 25-Participants, on 08.08.2019.**

6.5.5 – Post Accreditation initiative(s) (mention at least three)

> **1. Introduction online distance education programs. 2. Introduction of online evaluation of answer scripts. 3. Development of central fabrication lab. 4. Deputing the faculty to universities in abroad.**

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

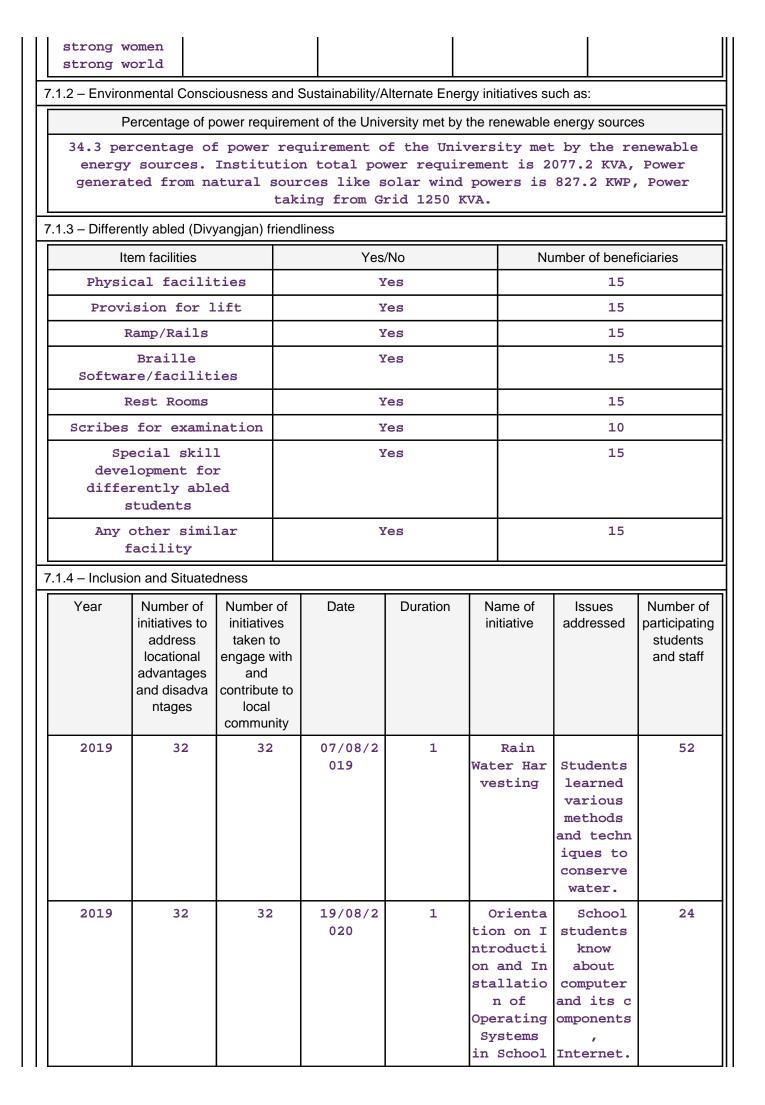### 6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2020	2-Day National Conference on IAQHEI-2020-Innovative Mechanisms and Standards for Assuring Quality in Higher Education Institutions (IAQHEI-2020)	06/03/2020	06/03/2020	07/03/2020	174
2019	Organizing Seminar on Quality related issues-Quality Assurance and Sustenance in Higher Education Institutions – Roll of Teachers"	30/09/2019	30/09/2019	30/09/2019	39
2019	Organizing Vigilance Week during	28/10/2019	28/10/2019	02/11/2019	100

| 2019 | Conducting Wold Quality Day on 14 November 2019 (2nd Thursday in November)-The World Quality Day 2019 | 28/11/2019 | 28/11/2019 | 28/11/2019 | 156 |

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Open Discussion on women as a leader on Independence Day	15/08/2019	15/08/2019	176	167
Essay writing competition on woman as a teacher on Teachers' Day.	05/09/2019	05/09/2019	181	176
Women in engineering	12/09/2019	12/09/2019	123	181
Importance of Gender equality with reference to early marriage of Girl child on the day of Gurazada Appa Rao Jayanthi	21/09/2019	21/09/2019	131	125
Health awareness camp on skin care	28/09/2019	28/09/2019	121	125

Kondavedu Fort Trekking	04/10/2019	04/10/2019	135	107
Seminar on the history of Nirbhaya Act	12/10/2019	12/10/2019	118	97
Awareness program on gender equity	17/10/2019	17/10/2019	203	115
Women Empowerment program	21/10/2019	21/10/2019	189	154
Elecution on Successful women Sakuntala devi (Human computer) on Mathematics Day	21/12/2019	21/12/2019	168	145
Awareness program on Disha act	24/12/2019	24/12/2019	128	191
Drug Awareness Programme by district Collector and Excise officers	02/01/2020	02/01/2020	132	112
Seminar on "How to behave with women in work Environment".	08/01/2020	08/01/2020	128	103
Seminar on "Strengthen women's leadership capacity using participatory strategies".	11/01/2020	11/01/2020	195	120
Program on Aspire women as a leader	21/01/2020	21/01/2020	134	153
Awareness program on Gender diversity in educations institutes	23/01/2020	23/01/2020	167	164
Importance of woman education in the present world	25/01/2020	25/01/2020	150	172
Talk on Gender	29/01/2020	29/01/2020	164	120

sensitization				
Antidiscrimination Talk	04/02/2020	04/02/2020	165	142
One day campaign in rural areas about the importance of Primary Education for Children and Women	07/02/2020	07/02/2020	186	150
Importance of woman education in the present world	07/02/2020	07/02/2020	178	165
Seminar on present opportunities and carrier opportunities for girl student	07/02/2020	07/02/2020	184	125
Workshop on safety security & threat awareness training for girls students	08/02/2020	08/02/2020	147	165
Program on Women Empowerment	12/02/2020	12/02/2020	189	154
Awareness program on women rights	15/02/2020	15/02/2020	168	147
Seminar on Career and Personal Development for Professional Women	17/02/2020	17/02/2020	198	145
Seminar on protect women health for protecting family wealth	24/02/2020	24/02/2020	178	195
Workshop on self motivation to the girl students	10/02/2020	10/02/2020	164	102
Career Guidance	13/02/2020	13/02/2020	185	142
Seminar on	17/02/2020	17/02/2020	164	123

strong women strong world				

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
34.3 percentage of power requirement of the University met by the renewable energy sources. Institution total power requirement is 2077.2 KVA, Power generated from natural sources like solar wind powers is 827.2 KWP, Power taking from Grid 1250 KVA.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	15
Provision for lift	Yes	15
Ramp/Rails	Yes	15
Braille Software/facilities	Yes	15
Rest Rooms	Yes	15
Scribes for examination	Yes	10
Special skill development for differently abled students	Yes	15
Any other similar facility	Yes	15

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	32	32	07/08/2019	1	Rain Water Harvesting	Students learned various methods and techniques to conserve water.	52
2019	32	32	19/08/2020	1	Orientation on Introduction and Installation of Operating Systems in School	School students know about computer and its components, Internet.	24

2019	32	32	23/08/2019	1	Awareness and Importance of Plantation of Saplings	Planting helps us to get lesser pollution and long life.	41
2019	32	32	06/09/2019	1	Awareness on Usage of Internet in Villages	Usage of Internet and its applications that will be helpful in their daily life.	53
2019	32	32	09/09/2019	1	Eye Dental Camp	Benefitted by eye and dental checkup , medicine distribution	28
2019	32	32	13/09/2019	1	Menstrual Hygiene	Awareness on girl/women, problems	25
2019	32	32	14/09/2019	1	Seasonal Diseases Awareness Campaign	Awareness on seasonal diseases and how to keep their surroundings clean.	62
2019	32	32	19/09/2019	1	Awareness Rally for Prevention of Dengue and Chikungunya	School children spread awareness on prevention of diseases Dengue and Chickungunya	56
2019	32	32	19/09/2019	1	Campaign for not	Students understoo	56

2019	32	32	20/09/2019	1	Awareness on Literacy	The Importance of Literacy to read and write effectively or acquires the basic math skills	42

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Human Values and Professional Ethics Code of conduct	01/07/2019	https://www.kluniversity.in/IQAC-FILES/AQAR2019-2020/7.1.5.PDF

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Organ Donation Camp	13/08/2019	14/08/2019	441
Wellbeing Out Of Waste	14/08/2019	14/08/2019	258
Distribution of Clay Ganesh Idols	30/08/2019	30/08/2019	80
Awareness Rally for Prevention of Dengue and Chikungunya	19/09/2019	19/09/2019	56
Campaign for not to use Plastic	19/09/2019	19/09/2019	56
Awareness on Literacy	20/09/2019	20/09/2019	42
Rice Bowl Challenge	19/09/2019	27/09/2019	48
Pusthakdhan	01/01/2020	03/01/2020	45
Human Rights	06/01/2020	06/01/2020	40

Awareness Campaign			
Awareness On Cashless Transactions	31/01/2020	31/01/2020	52

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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

The following steps were launched by the institution towards creating environmental consciousness and make the campus eco-friendly. 1. Students, staff using Bicycles, Public Transport and Pedestrian friendly roads Around 6000 students and faculty commute by 66 college buses. All vehicles are confined to open space parking zones, leaving avenues and buildings pedestrian – friendly and pollution -free. The trees from a virtual canopy of bright green verdure cordoning off the academic blocks in an enclave of tranquillity. 2. Plastic-free campus Use of plastic is strictly prohibited on the campus. There are circulars released on regular basis to all the sections of campus with potential use of plastic to strictly prohibit the plastic use. Only steel utensils are used in the college canteen instead of plastics ones and also the snacks items are served in biodegradable leave made plates only. A LED display is arranged to display the notices to avoid the banners. 3. Paperless office All of the office work in the campus (up to 70) is handled in ERP portal. The learning management system (LMS) system installed in the campus will help in managing all the academic work like teaching materials, tutorials, assignments, interactive content, quizzes and active learning methodologies ALMs though online. KLU tv- broadcasting system is using to display all the circulars to all the students and staff. 4. Green landscaping with trees and plants The University grants substantial funds for the maintenance of a campus rich with greenery and some rare and well-groomed trees. Lawns, garden and avenue trees are maintained on a daily schedule. Despite the ongoing construction work, maintenance staff are deployed to clean construction residues promptly. Trees of 25'-40' line the main avenues and trees of 10'-15' and shrubs are planted on both sides of roads connecting various blocks. The trees lining the avenues are over 35 years old reaching a height of 60'. Rare, Well-groomed lawns and gardens are reared professionally. The upkeep of greenery shows that the love of green is as inherent to the soil as to the minds. 5. Awareness Campaigns Campaigns like Green Brigade, you can make a difference, SAY-NO-TO-PLASTIC were organized. Various environmental awareness camps are organized regularly by student groups headed by the faculty. The following awareness camps are organized regularly. • Green Brigade, you can make a difference. • Say 'No' to plastic. • Switch off when not in use. • Clean and Green • Carbon foot print.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practices-I 1. Title of the Practices • Establishment of Professor Centric Research Labs : To provide the required infrastructure facilities and establish research lab based on professors expertise and experience 2. Objectives of the Practice: • Establish niche area research labs. • Provide new technologies leaning habitats for UG, PG and Doctoral students under the guidance of professors. • Infrastructure in focused research areas harnessing the expertise of professors. 3. The Context: • Establishment of professor centric research labs creates research habitats under the able supervision of experienced professors in core thrust areas. 4. The Practice: • Fourteen professor centric labs are in practice at KLEF S.NO Name of Lab --Name of Faculty 1 Advanced Functional Material Research Lab --Dr.A.Venkateswara Rao 2 Space Technology and Atmospheric Science Research Center --Dr.D Venkataratnam, Dr.G.China Satyanaraya. 3 Infrared Image Canter --Dr.G.V SubbaRao 4 Applied Signal

Processing Research Center --Dr.S.Koteswara Rao, Dr.K.S.Ramesh 5 Biomechanics Vision Computing Research Center--Dr.P.V Kishor 6 MSME Research Center --Dr.K.Srinivas Rao 7 RF Microwave Research Center --Dr.K Sarat Kumar ,Dr.K.ChSrikavya 8 Antennas Liquid Crystals Research Center --Dr.B.T.P Madhav, Dr.K Kumar Naik 9 Power Electronics Power Research Center --Dr. J Somlal, Dr P.S Varma. 10 Center for System Dynamics and Conditional Monitoring --Dr.K.V Ramana, Mr.V.A Rama Sastry. 11 Center Instrumentation Center--Dr. B.T.P Madhav 12 Bio Materials Testing Lab--Dr. K.L Narayana 13 Structural Biology Lab--Dr. Burra V.L.S Prasad. 14 Food Technology Lab--Dr. M.Sudhamani. 5. Evidence of Success • Focused research in thrust area. • Quality output of publications. • Major innovations turned into patents leading to startups and spinoff companies. • Growth in translational research. • Research output led to quality project proposals attracting more external research funding. 6. Problems encountered and resources required • New lab space to be created. • Experience faculty availability. • Equipment and infrastructure is expensive. Best Practices-II 1. Title of the Practices: • Deputation of faculty for a semester in foreign universities promoting collaborative research: To promote and establish collaboration research by deputing faculty to identify departments of foreign universities. 2. Objectives of the Practice: • Promoting international collaborations. • Enhancing the faculty research skills. • Promoting new research domains and advanced learning to faculty. 3. The Context: • Providing opportunities for collaboration with international research labs. • Utilizing the domain expertise and latest equipment and infrastructure available. • Promoting quality research. 4. The Practice • Faculty are deputed for a semester to identify universities for promoting collaborative research and for higher studies. S.NO Name of Faculty --Department --University Visited --Duration 1 Dr. Mohammed Ismail B --CSE --Northern Illinois University, USA. --6 months 2 Dr. Md.Asdaque Hussain--CSE --Purdue University, USA.--6 months 3 Dr. Rajesh Pasupuleti--CSE--Northern Illinois University, USA.--6 months 4 Dr. P.C Srinivasa Rao--CSE --Purdue University, USA.--6 months 5 Dr. K.Sarat Kumar--ECE --Asian Institute of Technology, Thailand.--4 months 5. Evidence of Success • Collaborative research established. • Faculty trained in latest technologies. • Quality of publications enhanced • Faculty prospective towards research and teaching is changed. 6. Problems encountered and resources required • Acceptance of foreign universities for collaborations. • Availability of funds for travel and stay. • Retaining the faculty after returning from foreign Universities.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://www.kluniversity.in/IQAC-FILES/AQAR2019-2020/7.2.1.PDF

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Research Culture at KLEF The culture of research provides a supportive context, in which research is universally expected, discussed, produced and valued. The university is committed to transferring empirical knowledge to applicable reliable practices, replacing individual brilliance with collective, corroborative, societal utility. "With perceptive practice hobbies transform and canonize themselves in to a culture". The university is a conduit for higher education, a launch pad for social enlightenment, a gym for selfdiscipline and a virtual progenitor of all research. A fledgling university, KLEF had to review and redeploy its strengths as well as replenish itself with a number of supporting practices which have a vital role in this ambitious endeavour. The university identified the necessary infrastructural and intellectual resources for Academic Research, Sponsored Research,

Consultancy and Extension. RESEARCH CENTRES Setting pace for research KLEF has established seven research centres : • Centre for RF Microwave • Centre for Robotics Mechatronics • Centre for Advanced Energy Studies • Centre for atmospheric Studies • ESP labs • Wipro Mission 10 X Learning centres • MEMS – Micro Electro Magnetic Systems The multi-faceted intervention by the RD has helped in formalizing the research curriculum. APPOINTMENT OF FULLTIME STAFF All the research centres have experienced faculty who introduce concepts, new areas of research, framing of research questions, and provide seed money for deserving projects. Each centre, headed by a Professor emeritus, is allotted 10 to 15 young faculty as mentees, who work in diverse specialized research areas facilitating continuous transfer of skills and expertise, enhancing the overall research capability. RD provides support, directions and incentives so that publications take a quantum step towards quality improvement. Awards and incentives are announced for publications in quality journals. A series of workshops were organised on intellectual property rights. With the objective of making research a thrust area the concept of mini-projects has been introduced early in the curriculum. Students can augment project reports with publication in a reputed international journal. SPONSORED RESEARCH Faculty executes funded projects worth more than Rs. 2.5 crores have been sanctioned by various funding agencies like UGC, SAP, FIST which has been used to procure high-end equipment for research centers. Rs. 29.96 crores have been sanctioned by various government agencies towards individual Research projects. INCENTIVES KLEF has announced 7 lakh worth incentives to faculty receiving State/National/ International awards. The processes that have been put in place have been of immense value and augur well for the RD wing .The group dynamics that have been introduced in forming groups adds a genuine professional dimension which eliminates intellectual segmentation and sedimentation.

Provide the weblink of the institution
https://www.kluniversity.in/IQAC-FILES/AQAR2019-2020/7.3.1.PDF

8.Future Plans of Actions for Next Academic Year

1. Curriculum up-dation in line with industry 4.0 2. Plastic free environment. 3. Green Audit. 4. QS ranking. 5. NBA accreditation of few programs. 6. Aiming at below 50 rank in NIRF. 7. Trapping more research grant from govt organisations.