



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		KONERU LAKSHMAIAH EDUCATION FOUNDATION
Name of the head of the Institution		Dr. L S S REDDY
Designation		Vice Chancellor
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		0863-2399977
Mobile no.		9441597927
Registered Email		registrar@kluniversity.in
Alternate Email		iqacoffice@kluniversity.in
Address		VADDESWARAM
City/Town		VADDESWARAM
State/UT		Andhra Pradesh
Pincode		522502
<b>2. Institutional Status</b>		

University	Deemed
Type of Institution	Co-education
Location	Rural
Financial Status	private
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)	<a href="https://www.kluniversity.in/IQAC/pdfs/AQAR-2016-17.pdf">https://www.kluniversity.in/IQAC/pdfs/AQAR-2016-17.pdf</a>
<b>4. Whether Academic Calendar prepared during the year</b>	Yes
if yes, whether it is uploaded in the institutional website: Weblink :	<a href="https://www.kluniversity.in/site/acadcal.htm">https://www.kluniversity.in/site/acadcal.htm</a>

### 5. Accreditation 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

<b>6. Date of Establishment of IQAC</b>	10-Oct-2011
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### 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
<b>No Data Entered/Not Applicable!!!</b>		

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**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
PHY	FIST	DST	2018 1,826	11200000
ECM	FIST	DST	2016 1,826	6900000
BIO TECH	FIST	DST	2015 1,826	6700000
CSE	FIST	DST	2014 1,826	4500000
CAS	FIST	DST	2014 1,826	4700000
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**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)**

1. Developed a Quality Management System that clearly defines the processes for assuring the quality.

2. Monthly Audits of all Departments, functionaries and Units have been conducted every month based on the monthly reports submitted by various departments and cells. Corrective actions are initiated for improvement.

3. Developed metrics for measuring different activities and performances.

4. Identified norms for different achievements and used the same for target setting

5. Coordinated and obtained ISO 9001 Surveillance certification for 201819. Conducting quality related workshops and seminars and Training the faculty about the quality system through the activities of Quality Circle.

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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
Developing documentation Standards	Documentation standard for monthly report has been developed and the same is being used by the departments for reporting progress related to various parameters.
Developing standard formats for reporting outcomes	All formats related to academics and research have been developed and informed to all the concerned to use the same.
Coordinating for ISO certification	Coordinated for ISO 9001 and obtained certification.
undefined	undefined
undefined	undefined
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**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Board of Management	27-Jul-2019

**15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?**

Yes

Date of Visit

06-Sep-2018

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

Yes

Year of Submission

2019

Date of Submission

21-Mar-2019

<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>KL ERP is an educational Enterprise Resource Planning software designed and developed by K L University. It automates and streamlines all the processes functioning within 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 motto 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:</p> <ul style="list-style-type: none"> <li>• Deepen student learning with technology</li> <li>• Complete Automation for smarter Decisions</li> <li>• Improve Resource Management</li> <li>• Centralized Data Management</li> <li>• Increase Daily Productivity of the Staff and Faculty</li> <li>• Save time and Reduce faculty workload</li> <li>• Connect multiple departments and Campuses</li> <li>• Employee Satisfaction and High performance</li> <li>• Cost Effective Quicker Management process</li> <li>• Complete Student centric and parents satisfaction ERP Modules:</li> </ul> <ol style="list-style-type: none"> <li>1. Admission Management</li> <li>2. Academic Registration</li> <li>3. Programs</li> <li>4. Courses</li> <li>5. Time Table Management</li> <li>6. Course Handout, QB Examination</li> <li>7. HR Management</li> <li>8. Leave Management</li> <li>9. Employee Profile</li> <li>10. Authorization Management</li> <li>11. Committee Management</li> <li>12. Infrastructure Management</li> <li>13. Inventory Management</li> <li>14. Library Management</li> <li>15. Student Profile</li> <li>16. Hostel Management</li> <li>17. Transport Management</li> <li>18. PHD Scholars</li> <li>19. Research Related</li> <li>20. User Management</li> <li>21. Reports / Dashboard</li> </ol>

**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
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No Data Entered/Not Applicable !!!

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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
No Data Entered/Not Applicable !!!				
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## 1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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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
Mtech	Machine Design	21/03/2018
BTech	Bio Technology	21/03/2018
BTech	Civil Engineering	21/03/2018
BTech	Computer Science and Engineering	21/03/2018
BTech	Electronics and Communication Engineering	21/03/2018
BTech	Electronics and Computer Engineering	21/03/2018
BTech	Electrical and Electronics Engineering	21/03/2018
BTech	Mechanical Engineering	21/03/2018
BArch	Architecture	21/03/2018
BCA	BCA	21/03/2018
BPharm	Pharmacy	21/03/2018
BSc	Visual Communications	21/03/2018
BCom	Bachelor of Commerce (Honors)	21/03/2018
BBA	BBA	21/03/2018
Integrated(UG)	BBA-LLB	21/03/2018
BFA	bfa	21/03/2018
BA	Bachelor of Arts	21/03/2018
BSc	Hotel Management	21/03/2018
Mtech	Bio Technology	21/03/2018
Mtech	Structural Engineering	21/03/2018

Mtech	Construction Technology & Management	21/03/2019
Mtech	Geo Informatics	21/03/2018
Mtech	Computer Science and Engineering	21/03/2018
Mtech	Machine Learning and Computing	21/03/2018
Mtech	Digital Forensics & Cyber Security	21/03/2018
Mtech	Radar & Communication	21/03/2018
Mtech	VLSI	21/03/2018
Mtech	Atmospheric Science	21/03/2018
Mtech	Embedded Systems	21/03/2018
Mtech	Power Systems	21/03/2018
Mtech	Power Electronics and Drives	21/03/2018
Mtech	Thermal Engineering	21/03/2018
Mtech	Robotics and Mechatronics	21/03/2018
MSc	Applied Mathematics	21/03/2018
MSc	Physics	21/03/2018
MSc	Chemistry	21/03/2018
MA	English	21/03/2018
MBA	MBA	21/03/2018
Integrated(PG)	BBA-MBA	21/03/2018
PhD or DPhil	Ph.D. -Bio Technology	21/03/2018
PhD or DPhil	Ph.D. -Civil Engineering	21/03/2018
PhD or DPhil	Ph.D. -Computer Science and Engineering	21/03/2018
PhD or DPhil	Ph.D. -Electronics and Communication Engineering	21/03/2018
PhD or DPhil	Ph.D. -Electronics and Computer Engineering	21/03/2018
PhD or DPhil	Ph.D. -Electrical and Electronics Engineering	21/03/2018
PhD or DPhil	Ph.D. -Mechanical Engineering	21/03/2018
PhD or DPhil	Ph.D. -Mathematics	21/03/2018
PhD or DPhil	Ph.D. -Physics	21/03/2018
PhD or DPhil	Ph.D. -Chemistry	21/03/2018
PhD or DPhil	Ph.D. -English	21/03/2018
PhD or DPhil	Ph.D. -Management	21/03/2018

### 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
<b>No Data Entered/Not Applicable !!!</b>		
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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
<b>No Data Entered/Not Applicable !!!</b>		
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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 are our institutions brand ambassadors, the alumnis feedback is given due consideration. The Alumni Association conducts a formal exit feedback. The consolidated feedback report is forwarded to the Department Academic Committee (DAC) for consideration, which in turn acts up on the feedback. **PARENTS:** The parent feedback is also taken and analyzed as a major stakeholder of this system. Parents feedback parameters include teaching quality, discipline for students, sports facilities, laboratory equipment, examination system, and student support systems such as transportation, library, internet, Wi-Fi etc. **EMPLOYERS:** Employers are one of the stakeholders, whose feedback is relied upon for improving students employability. Their feedback is useful as it offers the foundation for further curriculum enrichment and overall student performance. Feedback from recruiters is forwarded to the Department Academic Committee(DAC) for incorporating the same in curriculum.

**CRITERION II – TEACHING- LEARNING AND EVALUATION**

**2.1 – Student Enrolment and Profile**

2.1.1 – Demand Ratio during the year

Name of the	Programme	Number of seats	Number of	Students Enrolled



Programme	Specialization	available	Application received	
<b>No Data Entered/Not Applicable !!!</b>				
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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
2018	15275	1123	969	82	81

## 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	Number of smart classrooms	E-resources and techniques used
1039	1039	15	240	24	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)

1. The HOD will allot 15 Students once admitted into a program to a Faculty with allocation priority commencing from professors and onwards. The faculty concerned will be called counsellor 2. One hour will be allocated preferable between 4PM to 5 PM for the counsellor to meet the students and counsel them on academic related aspects 3. The counsellor will maintain a separate sheet to record academic performance and also different kinds of counselling undertaken 4. Counsellor shall acquire backlog data and record the same into the counselling sheets 5. Counsellor will acquire data about the attendance and performance in the internal evaluation and record them into the counselling sheet. 6. Counsellor shall counsel the students regularly when the performance of the student is found be un-satisfactory 7. Counsellor shall communicate with parents through mail, email, SMS and also through telephonic conversations. The communication undertaken shall be recorded in a separate register. 8. The counselling sheet shall be submitted to the Principal for verification and approval. 9. At the end of the semester a recommendation will be sent to Associate Dean (Registration and certificate courses) for enabling the student to register for certain number of courses. 10. The counsellor will maintain a separate sheet to record career progression and also the kind of counselling undertaken on the student 11. Counsellor shall acquire the data related to performance of the students in all the soft and communication courses and also the placement related courses record the same into the career counselling sheets 12. Counsellor will acquire data about the attendance and performance of the students during all the placement drives conducted by KLU and records the same into the counselling sheet. 13. Prior to the placement activity the counselor shall conduct a counselling sessions to the allotted students. 14. Department shall conduct a psychometric tests to the students in order to assess the levels of the knowledge and communication skills . 15. Counselling cell shall conduct a session on awareness of job market and try to figure out the probable jobs vacancies in and around the domain areas 16. The counselling sheet shall be verified by DEAN (Academics) and corrective actions if any will be initiated 17. Recommendations if any for improving the performance of the students shall be sent to HEAD(CSS) 18. Counsellor shall acquire data pertaining to psychological status of the students and record the same into the counselling sheets 19. Counsellor should identify the need of any therapy is required. 20. Once it is identified in consultation with the counsellor, arrange the separate counseling sessions according to the psychological status of the student. 21. Counsellor should maintain the progression level of the student periodically. 22. Counselor shall recommend the students to the counselling cell and counselling sessions in the department 23. Counselor shall identify the activities which are happening in the department 24. If the activities are not happening according to the schedule, taking corrective actions to ensure the counselling shall be done as per expected schedule.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
16398	1097	14.94

## 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
111	111	0	111	66

### 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
2018	Dr. Deepti Kolli	Assistant Professor	Young Scientist Award
2018	Dr. K.L. Narayana	Dean	Member, Task Force, Higher Education Department
2018	Dr. V. Ranga Rao	Professor	Member, External Advisory (Task Force) Committee, APPCB, APCRDA
2018	Dr. V. Ranga Rao	Professor	Member, Tender Evaluation Committee APCRDA
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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
No Data Entered/Not Applicable !!!				
<a href="#">View File</a>				

### 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	28572	0.04

## 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
<b>No Data Entered/Not Applicable !!!</b>					
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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
National	Dr.Arunmetha Sundaramoorty	NPDF	01/07/2018	SERB-DST
National	Dr. kiran kumar A	NPDF	01/07/2018	SERB-DST
International	Dr. Monima Sarma	PDF	07/12/2018	National Taiwan University
International	Dr. N Rajesh	PDF	25/11/2018	Tel Aviv University
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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
<b>No Data Entered/Not Applicable !!!</b>		
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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
Any Other (Specify)	365	KLEF	121.11	110.09
Students Research Projects (Other than compulsory by the University)	365	KLEF	82.1	76.36
Projects	1095	KLEF	222.01	214.42

sponsored by the University				
Industry sponsored Projects	365	LAKSHMI TOOL TECH, J R GOTECH ACCUMULATORS	11	11
Interdisciplinary Projects	1095	DST, NRB, SERB	156.9	34.83
Minor Projects	365	DST, MEPMA, INSPIRE, APCOST	31.49	27.32
Major Projects	1095	DST, SERB, ISRO, NRB, UGC-DAE, DST-ICMR, DST-NCSTC	886.22	280.95
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### 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
No Data Entered/Not Applicable !!!		
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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
No Data Entered/Not Applicable !!!				
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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
No Data Entered/Not Applicable !!!					
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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	2
Civil Engineering	5
Computer Science And Engineering	5
Electronics And Communication Engineering	12
Electrical And Electronics Engineering	5
Mechanical Engineering	3
Chemistry	4
English	4
Mathematics	3

Physics	3
Business School	3

### 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)
<b>No Data Entered/Not Applicable !!!</b>			
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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
<b>No Data Entered/Not Applicable !!!</b>	
<a href="#">View File</a>	

### 3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

### 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
<b>No Data Entered/Not Applicable !!!</b>						
<a href="#">View File</a>						

### 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
<b>No Data Entered/Not Applicable !!!</b>						
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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	151	195	12	63
Presented papers	232	75	0	0
Resource persons	4	49	8	27
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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)
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

### 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
<b>No Data Entered/Not Applicable !!!</b>				
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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
<b>No Data Entered/Not Applicable !!!</b>			
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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
Usage of Plastic - A Natural Disaster	Public Service Excellence Award	The International Association of Lions Club. Dist. 316-H	15000
Entrepreneur Development	Service of Excellence Award	APSSDC	5000
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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 activities	Number of students participated in such activities
<b>No Data Entered/Not Applicable !!!</b>				
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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
<b>No Data Entered/Not Applicable !!!</b>			
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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	Name of the	Duration From	Duration To	Participant
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	linkage	partnering institution/ industry /research lab with contact details		
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**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
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**No Data Entered/Not Applicable !!!**

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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
1915	2575

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Newly Added
Laboratories	Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Existing
Video Centre	Existing
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
Classrooms with Wi-Fi OR LAN	Newly Added

[View File](#)

### 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 partially)	Version	Year of automation
KOHA	Fully	18.05	2018

4.2.2 – Library Services

Library	Existing	Newly Added	Total
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Service Type						
Text Books	124268	50761848	14010	9421472	138278	60183320
Reference Books	27263	11581152	454	514528	27717	12095680
e-Books	3138166	363401	160000	432148	3298166	795549
Journals	487	1412637	2	8366	489	1421003
e-Journals	0	0	35199	3524024	35199	3524024
Digital Database	0	0	4	1521338	4	1521338
CD & Video	10802	42000	297	0	11099	42000
Library Automation	2	264000	2	340860	4	604860
Others (specify)	0	0	1	13570	1	13570
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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
No Data Entered/Not Applicable !!!			
<a href="#">View File</a>			

#### 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	4565	52	10240	52	20	27	18	10240	0
Added	780	3	0	3	2	0	0	0	0
Total	5345	55	10240	55	22	27	18	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
Go Pro Kit	<a href="https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4">https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4</a>
Sony NX Cam	<a href="https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4">https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4</a>
Manfroto heavy duty tripod	<a href="https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4">https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4</a>
Go Pro Kit hero 5	<a href="https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4">https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4</a>



	<a href="#">dia-Laboratory.mp4</a>
heavy duty light Stands	<a href="https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4">https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4</a>
650 Watt Lights	<a href="https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4">https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4</a>
1000 Watt Lights	<a href="https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4">https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4</a>
Slider Set	<a href="https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4">https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4</a>
Dolly	<a href="https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4">https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4</a>
Track	<a href="https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4">https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4</a>
Green Matt Suits	<a href="https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4">https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4</a>
Cord Less Mics	<a href="https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4">https://www.kluniversity.in/AOAR1819/Media-Laboratory.mp4</a>

#### 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 incurred on maintenance of physical facilities
418	406	916	985

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 E-journals 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 Health-check 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://kluniversity.in/AQAR1819/Procedures-and-policies-P&D.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	13390	297935875
Financial Support from Other Sources			
a) National	National	27	2847000
b)International	International	68	23130246

[View File](#)

#### 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
<b>No Data Entered/Not Applicable !!!</b>			

[View File](#)

#### 5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling	Number of students who have passedin the comp. exam	Number of studentsp placed
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			activities		
2018	Guidance for Competitive Examinations	877	3658	273	218
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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
16	16	4

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
No Data Entered/Not Applicable !!!					
<a href="#">View File</a>					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					
<a href="#">View File</a>					

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	25
GMAT	5
CAT	5
GRE	76
TOFEL	1
Any Other	161
No file uploaded.	

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

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
<a href="#">View File</a>		

## 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
<b>No Data Entered/Not Applicable !!!</b>						
<a href="#">View File</a>						

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

KL College of Engineering established in the Academic year 1980-81. Attained autonomous status in the year 2006 and in February 2009, the Koneru Lakshmaiah

Education Foundation Society was recognized as Deemed to be University with a mission to impart quality higher education and to undertake research and extension with emphasis on application and innovation that cater to the emerging societal needs through all-round development of students of all sections enabling them to be globally competitive and socially responsible citizens with intrinsic values The K L University Alumni Association (KLUA) has been functioning from 1985 at the University campus. As a registered body from 2013 with six local chapters in India and one in USA with main aim of the Association is to maintain the link between University and Alumni having more than 28,500 registered alumni members who are one of the main stakeholders of the University as they contribute immensely to the development of the university in multiple dimensions like development of Labs, Research Centers, Research Fellowships, Medals and Awards to students etc. Alumni have also contributing non-financially by being the members of BOS and DAC, delivering Guest lectures, Conducting mentoring sessions to students and faculty, offering Internships, Placement assistance, organizing Industry visits and also assisting students to get admissions into reputed universities abroad. Alumni working at reputed institutes located globally are helping students, faculty and research scholars in their research and through faculty development programs to faculty. Alumni are helping to develop quality standards that could be used for enhancing and raising high quality of delivery of educational system Alumni of the university are providing mentoring services to the students of the university by holding one to one interaction with the students. They have become influential in making the students understand the industry institute gap and also the way to plan and shapeup one's own career in right direction. Alumni from local chapters maintaining rich alumni database with all the details that have been influential in making the students to understand various business opportunities and providing all the support required for preparing the students to become entrepreneurs and to know the current dynamics of the industry. The university is conducting alumni based events for each of the batch which has completed 25 years after their graduation. During the events, the Alumni are showcasing their profiles and the way they have grown up to the ongoing students. Alumni are influential in introducing the outcome based education in the University making the students valued based and industry ready. The mission of the Association is to foster strong bonds between alumni, students and the Institute, to keep alumni informed, and create a network enabling them to remain engaged with their alma mater and help shape its future through the KLU Alumni Associations programmes and services. The universitys alumni are its lasting legacy and strongest voice. Finding new ways to build an engaged membership base is an integral task of the Association.

5.4.2 – No. of registered Alumni:

24599

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

5094000

5.4.4 – Meetings/activities organized by Alumni Association :

- Alumni silver jubilee celebrations for batch of 1989-93 on 15-12-2018. •
- Mentor -mentee program is also launched with 30 mentors along with 30 mentees on 15-12-2018. • Alumni guest lecture by mr.ratnakar.k on 03-01-2019. • Alumni guest lecture by mr.s.srinivas on vlsi tool verify in the dept of ECM on 5-01-2019. • Mentor-mentee initiative - for 100 first year students. • Alumni workshop by mr. D.sai satish on awareness on ethical hacking on 8-01-2019 to 10-01-2019 . • Alumni workshop on concepts and role of digital film making video making by mr. P. Manohar reddy by the department of fine arts on 08-01-2019. • Alumni interactive session by mr.sravan .e mr. E.kranthi kumar

department of mechanical on 09-01-2019. • Alumni interactive session by mr.agnimitra on air breathing propulsion turbomachinery in department of mechanical on 10-01-2019. • Alumni guest lecture by mrs. Aruna kumari on cyber security art of living for the dept of cse on 10-01-2019. • Alumni guest lecture by mr. Aakash.t on success mantra for good IELTS scores art of living for in the ME on 12-01-2019 • Alumni guest lecture by mr.Hanuman on uses of bioanalytical techniques in industries in BT on 04-02-2019. • Alumni guest lecture by mr.k.samuel prajwal on knowledge sharing in EEE on 09-02-2019. • Alumni guest lecture by Dr.t.srinivas on road safety awareness in CE on 09-02-2019. • Alumni guest lecture by mr. Raviteja on automatic transmission in hybrid electrical vehicle in EEE on 15-02-2019. • Alumni guest lecture ms.A.sri devi mr.p.sai kiran on social media marketing in MBA on 16-02-2019. • Alumni guest lecture ms.sarda on advances in bio processing engineering in BT on 23-02-2019 • Alumni guest lecture mr.vamsi on genetic engineering in BT on 23-02-2019 • Alumni all batch get to gather batch of 1980-2018 in banglore on 22-02-2019 • Alumni guest lecture mr.tarun kakani on entrepreneur ship in ECE on 23-02-2019. • Alumni guest lecture mr.Venkat charan on it solution for industrial make over in ECM department on 28-02-2019. • Alumni guest lecture mr. Galwin gilroy on overview of offshore drilling operation in ME department on 06-03-2019. • Alumni guest lecture mr.N.viswakant interactive session in CE department on 07-03-2019. • Alumni guest lecture by mr. Vekata ramana on how to prepare for competitive exams in ECE department on 08-03-2019. • Alumni guest lecture mr.Hari krishna on vlsi designs in ECE department on 09-03-2019. • Alumni interactive session by mr.karthik in CE department on 09-03-2019. • Alumni guest lecture mr.s.Siddharthaon real time concepts used in aerospace industry in ECM department on 12-03-2019. • Alumni guest lecture mr.sai satish on hacking workshop in BCA department on 13-03-2019. • Alumni all batch get to gather for batch of 1980-2019 in hyderabad on 22-04-2019. • Alumni guest lecture mr.Khadarbasha interactive session in ME department on 05-05-2019 • Alumni all batch get to gather for batch of 1980-2019 in chennai on 27-06-2019.

## **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 synchronises 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
Human Resource Management	<p>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 either 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</p>

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 ICT : ICT to all the classrooms, seminar halls and other places where this technology is mostly needed is adopted. This Provides access to wide range of up-to-date learning materials and enriches learning through a combination of audio, video, images, text and animation. 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.

Teaching and Learning

K.L.E.F. offers a total of 51 programs in the year 2018-19 comprising Engineering, Arts, Science, Management, Architecture, Law 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 2018-19 to actively involve the students in the process of teaching-learning.

Curriculum Development

In the academic year 2018-19 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 NPTEL, EDX etc.

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.

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

	indexed journals only. 2) Faculty are also instructed to publish in Scopus and Web of science indexed journals only.
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
Admission of Students	1. Admission is based on an All India Entrance Examination conducted by the University in various states of the country. 2. Academic percentage (102 level) is given due weightage in the admission process. 3. Performance in National level competitive examinations like JEE and State level examinations like EAMCET are also considered in the admission process. 4. Reservations are followed in the admission process including reservation for girl students. 5. Admissions are given under the Sports and extracurricular activities category to the deserving students.

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

E-governance 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 or 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 E-Governance 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.

Administration

KLU has an exclusive ERP developed by Serosoft with a separate module 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 leave 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 B.O.M. for its remarks and approvals. The financial balance sheet, income and expenditure is also maintained through the financial module in ERP.

Finance and Accounts

KLU 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 financial year 2018-19.

Student Admission and Support

KLU conducts online entrance examination in the name of KLU-EEE every year during the month of April. The necessary applications for admission for entrance examination is made available through KLU 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 counselling 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
<b>No Data Entered/Not Applicable !!!</b>				
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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)
<b>No Data Entered/Not Applicable !!!</b>						
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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
<b>No Data Entered/Not Applicable !!!</b>				
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
111	111	107	107

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, Sanctioning of Paid Leaves, Education Fee waiver for self education	Provident Fund, ESI Facility, Group Gratuity Facility, Group Savings Linked Insurance (GSLI), Medical and Group Insurance, Reimbursement of Medical Expenses, Sanctioning of Paid	Free counseling to all the students, Dispensary and ambulance facility, Fitness centers with state of the art equipment, Yoga and Sports, Hobby Clubs, Medical Insurance.

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.

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.

#### 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 five 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	2030145	Student communities engage with NGOs and Philanthropists for donations
No file uploaded.		

6.4.3 – Total corpus fund generated

191018445

#### 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 , NIT Professor	Yes	Dean Quality
Administrative	Yes	ISO, NAAC Assesor	Yes	Dean Quality

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

Not Applicable.

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

1. Feed back on circulate updation 2. suggestions for improvement in canteen food hygiene and quality. 3. Escalating on campus accommodation for Girls students. 4. cooperation for NSS activities in neighboring villages.

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

1. Three-day Workshop on "ABC of Spoken English Organised" by Academic Staff

College From 06th to 08th June, 2019 2. A One-Day Workshop on Faculty Development Program (FDP) on "Fire Extinguisher Demonstration" Organized by Academic Staff College On 12.04.2019. 3. A two-day workshop on "Formal Drafting Skills in English" organised by Academic Staff College, KLEF on 29 th and 30th March 2019. 4. One-day Employee development Programme on "Customer Delight" 23.02.2019. 5. Two-day Workshop on "Microsoft Excel Tips Tricks" from 11.02.2019 to 12.02.2019. 6. Two-day Workshop on "Human Values and Professional Ethics" From 29.11.2018 to 30.11.2018. 7. One day MS Word/ Excel training on "Preparation of Office Statements" on 25.07.2018.

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

1. Introduction online courses with credits. 2. Introduction of bar coding for coding and decoding of answer scripts. 3. Implementing effective maintained by scheduling it well in advance.

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	No

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
2018	Effective TIME management and productivity enhancement	19/09/2018	19/09/2018	19/09/2018	26
2018	Need for Quality and Context in Engineering and Sciences Research	29/09/2018	29/09/2018	29/09/2018	104
2018	Quality: A question of trust (World Quality Day'18)	19/11/2018	19/11/2018	19/11/2018	124
2019	Workshop on Quality Audit Procedures and Outcome based Education	29/01/2019	29/01/2019	29/01/2019	30
2019	National Conference on Innovative Mechanisms and	22/03/2019	22/03/2019	23/03/2019	60

Standards  
for Assuring  
Quality in  
Higher  
Engineering  
Education

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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
Health awareness camp on skin care	26/07/2018	26/07/2018	115	157
Open Discussion on women as a leader on Independence Day	15/08/2018	15/08/2018	165	189
Kondavedu Fort Trekking	26/08/2018	26/08/2018	200	100
Essay writing competition on woman as a teacher on Teachers' Day	05/09/2018	05/09/2018	78	102
women in engineering	15/09/2018	15/09/2018	163	150
Importance of Gender equality with referance to early marriage of Girl child on the day of Gurazada Appa Rao Jayanthi	21/09/2018	21/09/2018	150	150
Computer Education Programme for rural area women and girl students	27/09/2018	27/09/2018	20	30
Health awareness camp	10/12/2018	10/12/2019	50	50
Walk for Healthy Heart	29/10/2018	29/10/2018	50	100



Seminar for creating awareness about Importance of Swatch Bharat for both boys and girls and their role	29/10/2018	29/10/2018	50	100
National Unity Day	31/10/2018	31/10/2018	100	250
Seminar on the history of Nirbhaya Act	28/10/2018	28/10/2018	185	155
"Election on Successful women Sakuntala Devi (human computer) on Mathematics Day"	22/12/2018	22/12/2018	156	215
"Awareness about How the Name (Mech girls) Nirbhaya has come"	11/11/2018	11/11/2018	162	0
"Awareness program on Gender diversity in educational institutes"	12/01/2019	12/01/2019	125	136
program on Gender diversity in politics on Republic Day	26/01/2019	26/01/2019	400	200
Counselling session to girl students on Gender equality	01/02/2019	01/02/2019	228	0
Group discussion Role of women in Swatch Bharat	12/02/2019	12/02/2019	200	300
"Workshop on safety security & threat awareness training for girls students"	23/02/2019	23/02/2019	126	98
workshop on opportunities for women for	07/03/2019	07/03/2019	243	0

career growth				
Fem flare event on "Balance for the Best"	08/03/2019	08/03/2019	152	186
Women in Engineering Miss Hackers Hack Camp	04/04/2019	04/04/2019	156	0
Women enterpenuer start up "risr your potential"	11/04/2019	11/04/2019	180	120
Program on Women Empowerment	12/02/2019	12/02/2019	120	115
Awareness program on women rights	10/02/2019	10/02/2019	110	95
Seminar on Career and Personal Development For Professional Women"	23/03/2019	23/03/2019	160	172
Importance of woman education in the present world	24/03/2019	24/03/2019	175	182
Talk on Geneder sensitization by Smt.Bharateeyam Satyavani	11/01/2019	11/01/2019	163	158
Antidiscriminat ion Talk by Murali prabhu	30/03/2018	30/03/2018	72	88
career Guidance by Aruna Kumari	31/03/2018	31/03/2018	108	101

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	20
Provision for lift	Yes	20
Ramp/Rails	Yes	20

Braille Software/facilities	Yes	20
Rest Rooms	Yes	20
Scribes for examination	Yes	15
Special skill development for differently abled students	Yes	20
Any other similar facility	Yes	20

#### 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
<b>No Data Entered/Not Applicable !!!</b>							
<a href="#">View File</a>							

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

Title	Date of publication	Follow up(max 100 words)
Code of conduct	01/04/2018	<a href="https://www.kluniversity.in/AQAR1819/COC.pdf">https://www.kluniversity.in/AQAR1819/COC.pdf</a>

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

#### 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 tranquility. 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. 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. 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 1: 1. Title of Practice: Smart Village Revolution Program towards Sustainable Rural Development. 2. Goal: To Educate for the self employment of Village people and to create the health and hygienic awareness among the people in the village. For the holistic development of villages, the following 20 categories activities have been conducted •Skill based activities had taken for Creation of more than 25 jobs in each villages. •Helping local schools to achieve 12th Result 100 and their enrolment in Higher/ Technical /Vocational Education. •Preparing an actionable DPR for Doubling the village Income. •Devolving Sustainable Water Management system. •Motivating and achieving a target of reverse trend of around 5 youth in a year from City to Village. •Developing and implementing Low Cost Sanitation facilities. •Tourism Promotion Innovative Approaches. •Promotion of Three Appropriate Technologies. •Per Capita reduction in Energy Consumption by at least 25. •Skill to 100 (Minimum 30 Girls) People Resulting into Rs. 6,000 Job. •Developing localized techniques for up to 50 Reduction in Housing Cost. •Facilitating 100 Digitized money transactions. •Setting of Information imparting club for women leading to contribution in social and economic issues. •Developing and managing efficient garbage disposable system. •Eradicating Malnutrition in the Target group ( Pregnant, Lactating mothers, Preschoolers, dolescents) •Implementing Kitchen Garden in every house with regard to maintain nutritive food. •Implementing modern tools to test B.P and sugar by themselves and promoting mobile hospitals. •Implementing traditional methods of organic farming. •Interacting and involving with KVK or Agricultural officers to the farmers better yielding. •Implementation of any three modern technologies in agriculture. 3. The Context: Smart village revolution (SVR) is an initiative undertaken by KLEF and adopted 5 Mandals which consist of 108 villages with primary focus on harness the benefits of technology learned in the classroom for the rural folks. The initiative is a community effort to mobilize the collective strengths of faculty, students and people from various streams and integrate it with technology to provide benefits to the rural community . Need for smart village revolution The village communities are little republics, having nearly everything that they want within themselves, and almost independent of any foreign relations. In the development process, there will be many changes in the demand and supply of various needs, as rural population will pass through the process of change. At present, one of the major challenges in India is growing population and rapid urbanization. This urban growth to certain extent is unavoidable as the economic pursuits and aspirations of the population do change and evolve. This needs to be reversed and suitably managed through a balance between rural and urban quality of life. The concept of "Smart Village" will address the multiple challenges faced for sustainable development of rural India. A "Smart Village" will provide long-term social, economic, and environmental welfare activity for village community, which will enable and empower enhanced participation in local governance processes, promote

entrepreneurship and build more resilient communities. At the same time, a "Smart Village" will ensure proper sanitation facility, good education, better infrastructure, clean drinking water, health facilities, environment protection, resource use efficiency, waste management, renewable energy etc.

Based on various programs undertaken by Central and state governments along with further technological Initiatives, the Smart Village can achieve SMART infrastructure, SMART service delivery, SMART technology and innovation, SMART institutions along with optimal mobilization and Utilization of available resources, leading to a faster and more inclusive growth. This "Smart Village Revolution" will Encompass a sustainable and inclusive development of all sections of the village community, so that they can enjoy a high Standard of living. Achievements: After 2 years of rapid work at adopted 5 Mandals which consist of 108 villages , state Government representatives ( MP, MLA, District Collector) had visited those mandals and considered 10 villages immediately to State Government Aadarsha village nomination

The Practice 1. Dr.Sumathi, Psychologist explained in every village about the importance of human values. 2. Ms.Usha Rani, ASC explained the importance of tapping Gov. Policies for the development of the villages. 3. Mr. Shyam Prasad, Associate Dean, Centre for excellence explained to the villagers about the importance of education, girl child education and motivated school dropouts to continue their education. 4. Ms.Hema Malini explained about the importance of nutrition during pregnancy and lactation, and consequences of mal nutrition. 5. Medical camps were conducted with the collaboration of the NRI doctors and VASAN eye care to identify the chronic and acute diseases in the villages which are prevailed, and medicines were supplied. 6. Veterinary medical camp and awareness sessions were conducted with the concerned doctors in the Sabjapadu village

PLANTATION: Tree plantation creates instant forests, we do this by growing tall tree seedlings in the shortest time possible .for this we Provide fast growing trees fruit trees, nut trees etc. In dry tropical areas where rainfall is low ,grasses for seeding animal are seasonally scare and low in quality feeder tree plantation contain import feed items (nutrients) that grasses sometimes do not have. In village roadside plantation is carried out and where the space is empty we can plant tree which helps to make environment friendly i.e. eco-environment. Evidence of Success The success of the above practice is best shown through the pictures taken before and after smart village campaign. and are provided in the web site with given below link <https://www.kluniversity.in/AQAR1819/SV.pdf> Best Practices 2: Utilization of alternates for natural sand: In the absence of natural sand (due to current crisis in AP) for the construction purpose, the campus construction department started utilizing the alternative like M-Sand in the concrete. The practice not only save the natural recourse like river sand but also found to be a good waste management strategy. Manufactured sand (M-Sand) is a substitute of river sand for concrete construction. Manufactured sand is produced from hard granite stone by crushing. The crushed sand is of cubical shape with grounded edges, washed and graded to as a construction material. The size of manufactured sand (M-Sand) is less than 4.75mm. Due to crisis of river sand in A.P., the demand for sand has increased tremendously, causing deficiency of suitable river sand in most part of the word. Due to the depletion of good quality river sand for the use of construction, the use of manufactured sand has been increased. Another reason for use of M-Sand is its availability and transportation cost. Since manufactured sand can be crushed from hard granite rocks, it can be readily available at the nearby place, reducing the cost of transportation from far-off river sand bed. Thus, the cost of construction can be controlled using manufactured sand as an alternative material for construction. The other advantage of using M-Sand is, it can be dust free, the sizes of m-sand can be controlled easily so that it meets the required grading for the given construction.

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/AOAR1819/BP.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 self-discipline 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://kluniversity.in>

### 8.Future Plans of Actions for Next Academic Year

1. Online correction of answer scripts 2. Plastic free environment. 3. Green certification. 4. Increasing staff quarters on campus. 5. QS rating certification 6. NBA accreditation of few programs. 7. Aiming at below 50 rank in NIRF. 8. Publication of research articles 3 per faculty per year. 9. trapping more research grant from govt organisations.

