Koneru Lakshmaiah Education Foundation

(Deemed to be University, Estd. U/S. 3 of UGC Act 1956)

Annual Quality Assurance Report (AQAR)

Academic Year: 2016-17

Part – A

I. Details of the Institution

1.1 Name of the Institution

> Koneru Lakshmaiah Education Foundation (Deemed to be University, Estd. U/S. 3 of UGC Act 1956)

1.2 Address Line 1

> Green Fields, Vaddeswaram

Address Line 2

> Kunchanapalli Post

City/Town

> Guntur District

State

> Andhra Pradesh

Pin Code

> 522502

Institution e-mail address

> registrar@kluniversity.in

Contact Nos.

> 0863-2399999(extn:1212)

Name of the Head of the Institution:

> Dr. L.S.S Reddy, Vice Chancellor

Tel. No. with STD Code:

> 0863-2399999(extn:1188)

Mobile:

> +91-9177808050

Name of the IQAC Co-ordinator:

> Dr. K. Rama Krishna

Mobile:

> +91-9948131461

IQAC e-mail address:

iqacoffice@kluniversity.in

1.3 NAAC Track ID *(For ex. MHCOGN 18879)*

APUNGN60003

1.4 NAAC Executive Committee No. & Date:
(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

EC/62/A&A/123, Date:5-1-2013

1.5 Website address:

http://www.klef.edu.in

Web-link of the AQAR:

https://www.klef.edu.in/pdfs/aqar-2016-17.pdf

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	A	3.16	2013	2018 (5 Years)
2	2nd Cycle				
3	3rd Cycle				
4	4th Cycle				

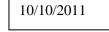1.7 Date of Establishment of IQAC: DD/MM/YYYY

10/10/2011

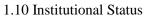**1.8 AQAR for the year** *(for example 2010-11)*

2016-2017

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((*for example AQAR 2010-11submitted to NAAC on 12-10-2011*)

  i. AQAR 2012-13 submitted to NAAC on 24-03-2016 (DD/MM/YYYY)
  ii. AQAR 2013-14 submitted to NAAC on 25-03-2016 (DD/MM/YYYY)
  iii. AQAR 2014-15 submitted to NAAC on 26-03-2016 (DD/MM/YYYY)
  iv. AQAR 2015-16 submitted to NAAC on 01-12-2017 (DD/MM/YYYY)

1.10 Institutional Status

University   State ☐   Central ☐   Deemed √   Private ☐

Affiliated College   Yes ☐   No √

Constituent College   Yes ☐   No √

Autonomous college of UGC   Yes ☐   No √

Regulatory Agency approved Institution   Yes √   No ☐

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution   Co-education √   Men ☐   Women ☐

Urban ☐   Rural √   Tribal ☐

Financial Status   Grant-in-aid ☐   UGC 2(f) √   UGC 12B ☐

Grant-in-aid + Self Financing ☐   Totally Self-financing √

1.11 Type of Faculty/Programme

Arts √   Science √   Commerce √   Law √   PEI (Phys Edu) ☐

TEI (Edu) ☐   Engineering √   Health Science ☐   Management √

Others (Specify)   .   Architecture, Pharmacy

1.12 Name of the Affiliating University *(for the Colleges)*   Not Applicable

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University   Central Government

University with Potential for Excellence   X   UGC-CPE   X

DST Star Scheme	X	UGC-CE	X
UGC-Special Assistance Programme	X	DST-FIST	√
UGC-Innovative PG programmes	X	Any other (*Specify*)	X
UGC-COP Programmes	X		

2. IQAC Composition and Activities

2.1 No. of Teachers   5

2.2 No. of Administrative/Technical staff   4

2.3 No. of students   1

2.4 No. of Management representatives   1

2.5 No. of Alumni   1

2. 6 No. of any other stakeholder and

     community representatives   2

2.7 No. of Employers/ Industrialists   2

2.8 No. of other External Experts   2

2.9 Total No. of members   18

2.10 No. of IQAC meetings held   2

2.11 No. of meetings with various stakeholders: No. 8   Faculty 3

    Non-Teaching Staff Students   2   Alumni 1   Others 2

2.12 Has IQAC received any funding from UGC during the year?   Yes √   No ☐

If yes, mention the amount   **1,00,000/-**

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. 5   International -   National 1   State -   Institution Level 4

(ii) Themes   a).Quality Assurance, Sustenance and Improvement in:
  ➢ Curriculum Design and Teaching-Learning practices
  ➢ Outcome Based Education and Evaluation
  ➢ Quality of Research
  ➢ All-round development of students
  ➢ Strategic Planning in making world class Higher Education Institutions
  ➢ Ranking and Certification methodologies
  ➢ Leadership and Good governance

b). Enhancing the quality of a product / service / process / activity

c). Quality policy

d). Implementing quality through Quality Circles

e). Need for norms and metrics

2.14 Significant Activities and contributions made by IQAC

For assuring Quality and ensuring progressive performance in various activities, the following mechanisms have been developed and activities are conducted by the cell:

1. Audited Calendar of events every month.
2. Reviewed a set of processes that are related to academics and R & D.
3. Refined Standard formats
4. Refined checklists for auditing Elements included in Monthly reports
5. Refined documentation standards
6. Organized IQAC meetings with different stake holders.
7. Coordinated ISO 9001 Surveillance
8. Developed a framework related to NAAC benchmarks
9. Developed metrics for measuring different activities and performances
10. Developed of norms for different achievements and use the same for target setting
11. Conducting quality related workshops and seminars
12. Obtained memberships of national and International Quality related associations
13. Obtained funding from NAAC for conducting National Workshops

Regular or periodical tasks undertaken by IQAC

1. Audit is conducted every month based on the monthly reports submitted by various departments and cells. Corrective actions are initiated for improvement.
2. Review of the documentation standards.
3. Undertaking the performance analysis in relation to the norms and targets.
4. Meetings with stake holders.
5. Designing and development of standards.
6. Recommending the required improvements in the processes and procedures.
7. Training the faculty about the quality system.
8. Preparing quality data as per NIRF

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

S.No.	Plan of Action	Outcome
1.	Auditing set of elements which are included into a specific report on monthly basis	The elements that are included into the monthly report have been audited, non-conformances have been raised and the same are followed up to ensure that the functionaries have taken up the corrective action.
2.	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.
3.	Review of a set of processes that are related to academics and R&D	8 processes have been reviewed for correctness and inaccuracies have been traced and change requests have been raised and follow-up is carried with respective functionaries for ensuring that the changes have been carried out.
4.	Refining Standard formats for reporting outcomes	Refined outcome reporting formats
5.	Refining Documentation Standards	Refined Documentation Standards
6.	Implementation of LMS system (MOOCS)	LMS Implemented System
7.	Coordinating ISO surveillance	Coordinated and obtained ISO 9001 Surveillance certification.
8.	Developing framework for NAAC related benchmarks	NAAC bench marks have been shortlisted and a framework for the same has been designed

(Academic Calendar of the year is placed as Annexure-A).

2.15 Whether the AQAR was placed in statutory body   Yes [√]   No [ ]

Management [√]   Syndicate [ ]   Any other body [ ]

Provide the details of the action taken

The Management has directed the following after reviewing the AQAR report submitted for the year 2016-17.

1. Develop single KLU related quality framework that Integrates NIRF, ISO and NAAC
2. Study the New NAAC system and get geared up to streamline systems and processes in tune with the new systems
3. Implement modern Learning systems in to the delivery of academic system
4. Become members of the International quality related bodies
5. Develop quality related benchmarks and use the same for assessing the performance of different elements

IQAC has implemented the above directions.

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	13	0	13	13
PG	20	1	20	20
UG	18	2	18	18
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	51	3	51	51

Interdisciplinary	11	0	11	11
Innovative	51	3	51	51

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options
    (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	51
Trimester	-
Annual	-

1.3 Feedback from stakeholders*   Alumni √   Parents √   Employers √ Students √
    (On all aspects)

        Mode of feedback   :   Online √ Manual √ Co-operating schools (for PEI) X

Analysis of feedback is placed as Annexure-B

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.
    1. Revised the syllabus of all programs with more emphasis on Industrial requirement and stakeholders feedback.
    2. Number of value added courses are introduced.
    3. A course of C Programming & Data Structures (15 CS 1001) is replaced with 2 courses namely 'C Programming' and 'C & Data Structures'.
    4. Number of courses based on recommendations of BOS is introduced.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

     1. Department of Arts

     2. Department of Pharmacy

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of
permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
637	414	130	93	-

2.2 No. of permanent faculty with Ph.D.

253

2.3 No. of Faculty Positions
Recruited (R) and Vacant (V)
during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
82	0	18	0	17	0	0	0	117	0

2.4 No. of Guest and Visiting faculty and Temporary faculty

-		2		289

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	60	1521	0
Presented papers	60	1521	0
Resource Persons	19	44	0

2.6 Innovative processes adopted by the institution in Teaching and Learning:

The following processes that were adopted by the University in 2015-16 have been continued in 2016-17.

1. The student need assessment is made before the commencement of the class work.
2. Bridge courses are conducted for students as per the need assessment.
3. Competency based syllabus is designed.
4. Emerging technologies are introduced through electives in Specialization streams.
5. Multi-disciplinary knowledge is provided through open electives.
6. Course based academic registrations.
7. Usage of active learning methods for course delivery.
8. Conducting remedial classes for weak students.
9. ICT based course delivery.

10. All students are exposed to industrial environment through industrial training for weeks.

11. Teaching research components at UG level.

12. Students are made to implement emerging technologies through Mini projects and Term papers.

13. Tool/Skill based learning.

14. Simulation tool based verification of practical and theoretical learning.

15. Continuous assessment of teaching and learning process based on student feedback.

16. Faculty development through subject based workshops, orientation programs, seminars and conference programs, technology based workshops etc.

17. Recognizing and rewarding the faculty for their best performance and innovation in teaching and learning.

18. Project based labs.

19. Lab taken into class rooms.

20. Some courses are offered as open electives in online mode to encourage self-learning in learners.

In addition, the following new processes have been adopted by the University in 2016-17.

1. LMS based Opens source Moodle platform has been introduced to facilitates continues evaluations and other best practices in teaching and learning

2.7   Total No. of actual teaching days

during this academic year

187

2.8   Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

The following Reforms have been initiated by the institution

1. Transparent evaluation system.
2. Hybrid grading having both absolute and relative grading.
3. Computerization of examination system.
4. Elimination of evaluation party by making single faculty to correct the answer of all the students for the same question.
5. Declaration of results within 15 days of conducting the end semester examination and issue of grade certificates within 3 weeks from the date of conducting of the end semester examinations.
6. Absolute grading on relative scale.
7. Enhanced transparency of evaluating by providing Xerox copy of End semester answer booklet to the student.

8. Revaluation of Every Answer booklet is verified and approved before release of revaluating grades.

9. Auditing of entire question bank and random evaluated answer booklets by the team of experts.

10. Rubrics were introduced in all evaluations such as Lab, Seminar, Term paper, Project, Practice School.

11. Introduced an Internal evaluation component for assessing active learning of the students in the class rooms.

12. Question paper banks have been collected and one of paper out of a set available is selected as a question paper for the examination

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

226	226	226

2.10 Average percentage of attendance of students

90%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no of Students Appeared	Division				
		Distinction	I %	II %	III %	Pass %
B.Tech - Bio Technology	64	18.75	53.13	12.50	0.00	84.38
B.Tech - Civil Engineering	184	16.85	37.50	32.07	0.00	86.41
B.Tech -Computer Science and Engineering	528	39.20	43.94	11.74	0.00	94.89
B.Tech -Electronics and Communication Engineering	550	53.45	34.36	9.82	0.00	97.64
B.Tech -Electronics and Computer Engineering	67	23.88	38.81	23.88	0.00	86.57
B.Tech -Electrical and Electronics Engineering	168	30.95	47.02	13.69	0.00	91.67
B.Tech - Mechanical Engineering	533	28.52	47.28	21.58	0.00	97.37
BHM	19	21.05	78.95	0.00	0.00	100.00
B.Com.(Hons)	38	84.21	5.26	0.00	0.00	89.47
BBA	93	45.16	27.96	5.38	0.00	78.49
BBA-MBA	13	92.31	7.69	0.00	0.00	100.00
B.Sc.(Visual Communications)	16	43.75	18.75	0.00	0.00	62.50
M.Tech - Bio Technology	1	100.00	0.00	0.00	0.00	100.00
M.Tech -Structural Engineering	34	52.94	32.35	14.71	0.00	100.00

M.Tech-Construction Technology & Management	15	80.00	20.00	0.00	0.00	100.00
M.Tech - Computer Science and Engineering	12	66.67	33.33	0.00	0.00	100.00
M.Tech - Computer Networks and Security	6	83.33	16.67	0.00	0.00	100.00
M.Tech-Cloud Computing	6	83.33	16.67	0.00	0.00	100.00
M.Tech - Communication and Radar Systems	11	81.82	18.18	0.00	0.00	100.00
M.Tech - VLSI	12	66.67	33.33	0.00	0.00	100.00
M.Tech - Power Electronics and Drives	2	100.00	0.00	0.00	0.00	100.00
M.Tech - Power Systems	9	77.78	22.22	0.00	0.00	100.00
M.Tech - Embedded Systems	13	92.31	7.69	0.00	0.00	100.00
M.Tech-Wireless Communication & Sensor Networks	0	0.00	0.00	0.00	0.00	0.00
M.Tech - Thermal Engineering	8	75.00	25.00	0.00	0.00	100.00
M.Tech - Mechatronics	1	100.00	0.00	0.00	0.00	100.00
M.Tech-Cyber Security & Digital Forensics	5	80.00	20.00	0.00	0.00	100.00
M.Tech-Space Technology & Atmospheric Science	1	0.00	100.00	0.00	0.00	100.00
MBA	192	60.94	15.10	3.13	0.00	79.17

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

The following processes that were adopted by the University in 2015-16 have been continued in 2016-17.

1. Auditing records.

2. Process audit.

3. Reviewing the documents.

4. Analysing the statistical data and reporting.

5. Analysing the progress in terms of LAG and LEAD times.

6. Analysing the deviations from the benchmarks and reporting.

7. Analysing the data inconsistency and reporting.

8. Analysing the data incompleteness and reporting.

9. Analysing the deviations in the conduct of activities as per the plan.

10. Identifying the new processes and recommending the same for improving the quality.

11. Identifying the new records and recommending the same for improving the quality.

12. Developing the metrics and informing to all the way the metrics are going to be used.

13. Analysing the targets set and informing the concerned for improvement of the same keeping in view of Goals and Objectives.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	*Number of faculty benefitted*
Refresher courses	151
UGC – Faculty Improvement Programme	-
HRD programmes	75
Orientation programmes	890
Faculty exchange programme	-
Staff training conducted by the university	537
Staff training conducted by other institutions	77
Summer / Winter schools, Workshops, etc.	680
Others	0

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	771	0	0	0
Technical Staff	241	0	0	0

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

Several processes, procedures, systems and standards have been recommended for implementation to enhance the quality of research being undertaken. The following recommendations have been made and the same have been considered and implemented by R&D division:

➤ Encourage publishing the papers in the UGC recognised Journals

3.2   Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	7	61	6	16
Outlay in Rs. Lakhs	209.94	1958.99	129.75	1216.45

3.3   Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	352	35	387	423
Outlay in Rs. Lakhs	330.18	32.82	363	545

3.4   Details on research publications

	International	National	Others
Peer Review Journals	1105	176	32
Non-Peer Review Journals	52	0	0
e-Journals	168	0	0
Conference proceedings	60	1521	0

3.5 Details on Impact factor of publications:

Range 0–8.867   Average 0.943   h-index 26   Nos. in SCOPUS 1033

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned(Rs. Lakhs)	Received (Rs. Lakhs)
Major projects	2016-17	DST, SERB, MOEF, ISRO, UGC.	1874.73	468.80
Minor Projects	2016-17		13.50	13.50
Interdisciplinary Projects	2016-17	SERB, YS	87.16	47.40
Industry sponsored	2016-17	AUM Microwave	28.96	28.96

Projects sponsored by the University/ College	2016-17	KLEF	358	340.10
Students research projects *(other than compulsory by the University)*	2016-17		5.00	3.98
Any other(Specify)	2016-17			
Total	2016-17		2367.35	902.74

3.7 No. of books published   i) With ISBN No.   10   Chapters in Edited Books   4

ii) Without ISBN No.   14

3.8 No. of University Departments receiving funds from

UGC-SAP   0   CAS   0   DST-FIST   6

DPE   0   DBT Scheme/funds   0

3.9 For colleges   Autonomy   -   CPE   -   DBT Star Scheme   -

INSPIRE   -   CE   -   Any Other (specify)   -

3.10 Revenue generated through consultancy   1,62,47,452/-

3.11 No. of conferences

organized by the Institution

Level	International	National	State	University	College
Number	2	13	0	0	0
Sponsoring agencies	IEEE DST	DST SERB	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons   148

3.13 No. of collaborations   533   International   66   National   467   Any other   -

3.14 No. of linkages created during this year   198

3.15 Total budget for research for current year in lakhs :

From Funding agency   2102.24   From Management of University/College   500.00

Total   2602.24

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	7
	Granted	0
International	Applied	4
	Granted	1
Commercialised	Applied	0
	Granted	0

3.17 No. of research awards/ recognitions   received by faculty and research fellows
     Of the institute in the year

Total	International	National	State	University	Dist	College
27	5	22	-	-	-	-

3.18 No. of faculty from the Institution
     who are Ph. D. Guides

326

     and students registered under them

493

3.19 No. of Ph.D. awarded by faculty from the Institution | 51 |

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF | 3 | SRF | 0 | Project Fellows | 20 | Any other | 81 |

3.21 No. of students Participated in NSS events:

University level | 0 | State level | 5771 |

National level | 0 | International level | 0 |

3.22 No. of students participated in NCC events:

University level | 0 | State level | 0 |

National level | 0 | International level | 0 |

3.23 No. of Awards won in NSS: University level | 0 | State level | 0 |

National level | 0 | International level | 0 |

3.24 No. of Awards won in NCC: University level | 0 | State level | 0 |

National level | 0 | International level | 0 |

3.25 No. of Extension activities organized

University forum | 60 | College forum | 0 |

NCC | 0 | NSS | 58 | Any other | 0 |

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

1. Technology oriented Training in ZPHS.
2. Blood Donation Camp & Blood Grouping
3. Blood Donation Camp
4. Swachh Bharath
5. Plantation
6. Collection of Rice and distribution
7. Awareness on technology
8. Awareness on health and Hygiene
9. Mosquitos repelling in the congested areas
10. Management of waste in the neighbourhood
11. Awareness on Conservation of Electricity
12. Awareness on ----- using ABAY APP
13. Distribution of books to the Poor (Pustka Dhan)
14. Implementing Drones
15. Creation of Child aid foundation
16. Program on use of ICT for school teachers
17. Awareness program on Vigilance
18. Awareness on online banking
19. Awareness program on Road safety
20. Awareness on Women Molestation√
21. Distribution of things and clothing
22. IOT for Krishna Pushkarams
23. Help Desk for Krishna Puskarams
24. Transforming Vijayawada campaign
25. Awareness program on Role of Youth in Nation building
26. Pink Ribbon rally – Brest Cancer Awareness
27. SBI training on Cashless Economy

Criterion – IV
4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	43.56 acres	-	-	43.56 acres
Classrooms	175	65	Internal	240
Laboratories	180	2	Internal	182
Seminar Halls	8	10	Internal	18
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	215	54	Internal	269
Value of the equipment purchased during the year (Rs. in Lakhs)	1636.02	792.59	Internal	2428.61
Others(Rs. in Lakhs)	1248.41	290.03	Internal	1538.44

4.2 Computerization of administration and library

Computerisation of Administrative Functions

The administrative functions of the following administrative divisions of the University have been automated using an ERP system which provides integrated management information system.

1. HR System

2. Finance Systems

3. Academic System

4. R and D System

5. Student Information System

6. Faculty Management System

Computerisation of Library Computerisation

Automation and Online Resources

All the library services are computerized. A separate website is provided through which all the library services are made available. Library implements On-line Public Access Catalogue System (OPAC) for on-line enquiries. Information related to Books, Journals, Periodicals, and Electronic CDs etc. is accessible using a Web Interface (Web-OPAC). Automation system provides statistics on usage, editions, missing volumes and provides annual ledgers.

Library automation system provides authenticated and authorized access to students, staff and faculty even when they are off –campus. Library Information System supports the reservation and tracking system which reminds the book borrowers in case of inadvertent delays.

The University has computerized all the services related access to digital libraries through their respective digital library websites. The University has subscribed for DELNET and presently the service is being used for borrowing books that are scarce and not readily available, online access to union and other catalogue, etc.

1. The Central Library of the University is fully automated through RFID Security and Surveillance Systems. Check-in, searching for titles, issues and check-outs are automated with RFID Library Management System.
2. Lifts are available, connecting all the floors of the Library. Besides, smoke alarm, automated sprinklers in case of fire accidents and emergency exits are also provided.
3. CDs and DVDs are maintained separately for easy access.
4. NPTEL Lecture and Web courses are accessed through dedicated IP address.
5. Qualified and trained staff members are available for assisting the students in searching databases.
6. OPAC facility can be viewed throughout the campus through LAN. Users can view the availability and status of books through Library Web Portal also.
7. Circulars are also sent through intranet about the deployment of new services and systems.
8. Central Library extends the borrowing facilities, to the users, from other libraries in the country with the help of DELNET.
9. In additional to all general services, the Central Library provides various value added services including

   a. Circulation Service through RFID
   b. Reference Service
   c. Web OPAC (Online Public Access Catalogue)
   d. Multimedia Resource Service
   e. Digital Library Service
   f. Photocopying Service
   g. Resource Sharing (Inter Library Loan) Service
   h. NPTEL E-Learning Services
   i. Institutional Repository
   j. Patents Information
   k. Standards Information
   l. User Education Program.

4.3 Library services:

	Existing		Newly Added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	116368	34885275	10204	6359275	126572	41244550
Reference Books	27763	11581152	454	1414528	28217	12995680
e-Books	3138166	363401	160000	432148 (Renewal)	3298166	432148 (Renewal)
Journals	519	1406726	40	1412637 (New +Renewal)	489	1412637 (New +Renewal)

e-Journals	21487	7241350	14175	7070031 (New +Renewal)	35662	7070031 (New +Renewal)
Digital Database	7	2510728	1	2899289 (New +Renewal)	8	2899289 (New +Renewal)
CD & Video	9972	32000	88	10000	10060	42000
Others (Specify)	DELNET, NPTEL - 128 Courses, INFLIBNET	116500	DELNET (Renewal)	11500	128	111500

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	2778	39 Labs	1.3GBPS	Entire Campus and Hostels are Wifi Enabled	15	24	16	8
Added	527	6 Labs	1.855 GBPS	Entire Campus and Hostels are Wifi Enabled	3	3	2	0
Total	3305	45 Labs	3.155 GBPS	Entire Campus and Hostels are Wifi Enabled	18	27	18	8

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

The following lists of training programmes are arranged for teachers and students to upgrade their skills on e-learning.

1. Use of Internet

2. Hands on with Tools

3. Using ICT Gadgets

4. Hybrid Networking

5. E-learning

6. Using Computers for Automation

7. Use of In-House Cloud

8. USE of LMS through Moodles

4.6 Amount spent on maintenance in lakhs :

i) ICT

| 22.07 |

ii) Campus Infrastructure and facilities

| 497.58 |

iii) Equipments

| 161.64 |

iv) Others

| 268.86 |

Total :

| 950.15 |

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

1. Recommended to constitute student committees at the department level in the beginning of the academic year for each of the support services like Transport, Hostels, and Sports etc. and to conduct periodical meetings to find out any issues related to the Support Services.

2. Recommended to constitute Central Level Committees in the beginning of the academic year for each of the support services like Transport, Hostels, Sports etc. headed by a Prof-In-charge for each of the committees. These Central Level Committees take the inputs from the department level committees, analyse the issues and initiate the corrective steps as per the need.

3. Developed a system to audit the functioning of all the department level and central level committees and to initiate the corrective steps based on non compliance.

4. Recommended to conduct in-house training programs for the students appearing for competitive examinations like TOEFL, GRE and GATE.

5. A system is developed to audit the curriculum and quality of faculty for training the students related to placements and competitive examinations and to initiate the corrective steps based on non compliance.

6. Recommended to form a separate cell for training the students exclusively for civil services examinations

5.2 Efforts made by the institution for tracking the progression

1. In-house training programs are conducted for training the students for competitive examinations like GRE, GATE, CAT, GMAT, IELTS etc.

2. The senior faculty of the University issued letters of recommendations to the students to apply for PG programs abroad

3. The faculty of the University have liasioned with the professors of the foreign University for financial support of the students who intend to pursue higher studies in foreign institutions

4. Implemented credit transfer system.

5. Implemented Twinning programs

6. Conducted industry focussed rigorous Campus placement related training programs.

7. Developed and implemented a Tracking System to monitor the progress of placement of each of the student

8. University has established a "ALUMNI RELATIONS CELL" with a full time Director to the cell

9. Tracked the progression of the students who have gone for higher studies as well as for working in the Industry trough Alumni Relation cell and placement cell.

10. One major "SILVER JUBILEE" interactive event is conducted every year for ALUMNI by which tracking the progression is taking place effectively

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
12514	674	493	0

(b) No. of students outside the state

1140

(c) No. of international students

141

Men

No	%
9096	68.97

Women

No	%
4092	31.03

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
8668	284	38	2458	9	11457	9977	334	62	2803	12	13188

Demand ratio   1:11.91   Dropout % 1.56

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

Centre for Competitive Exams, K L University is offering coaching for GATE, GRE, TOEFL, and IELTS & IAS e in K L University, in collaboration with trainers drawn from top notch training Academies.

GATE training

The Main Features of GATE include:

- ❖ Offered to students of EEE,ECE,MECH&CSE Branches
- ❖ Senior faculty offer GATE coaching
- ❖ Courses cover basics of all technical subjects
- ❖ Comprehensive and latest study material prepared by experts
- ❖ Periodic tests on GATE pattern to enhance 'individual' learning
- ❖ Individual guidance to all student on the basis of their specific interest.
- ❖ Timetable is programmed according to University curriculum
- ❖ Periodic performance evaluation and Extended help in preparation of SOPs and LORs.
- ❖ Training classes only during Weekends (Saturday and Sunday)

GRE, TOFEL IELTS training

In an effort to impart quality training to students planning to go abroad for higher studies, the Centre for Competitive Exams is offering coaching for **GRE, TOEFL and IELTS.**
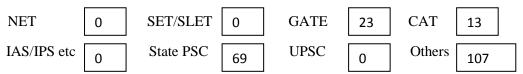
Students are free to choose Long term or Short term coaching as per their convenience.

The Main Features of GRE TOEFL IELTS include:

- ❖ Offered for students of all branches.
- ❖ Highly experienced faculty and master trainers are involved in coaching
- ❖ Training is aimed cover fundamentals and basic concepts.
- ❖ Exhaustive material, books, online resources etc. are made available.
- ❖ Periodic tests on the latest pattern are held to enhance individual learning skills.
- ❖ Periodic performance evaluation and extended help in preparation of SOPs and issue of LORs
- ❖ Timetable is programmed according to university curriculum

No. of students beneficiaries 212

5.5 No. of students qualified in these examinations

NET	0	SET/SLET	0	GATE	23	CAT	13
IAS/IPS etc	0	State PSC	69	UPSC	0	Others	107

5.6 Details of student counselling and career guidance

1. Allocation of one Faculty member for every 15 to 20 students.
2. Interaction of the counsellor with the students once in a week.
3. Interaction of the counsellor once in a week over phone or through message.
4. Interaction of the Psychologists with identified students for addressing the psychological issues.
5. Career guidance to the students once in a month through career guidance cell.

No. of students benefitted 13188

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
282	2419	1977	Nil

5.8 Details of gender sensitization programmes

1. Health awareness camp for women students.

2. SAHELI conducted a programme on "Nirbhaya Act".

3. Conducting workshops and seminars related to women's legal rights, empowerment etc.

4. Flem Fare for girl students

5. Health awareness program on obesity

6. Group discussion held on "Present educational system in India"

7. Elocution competition organised on "Menace in the present society in case of women"

8. Essay writing competition held on "Role of Women in Science and Engineering"

9. "Awareness programme on self-defence" was organised.

10. Extension program on Importance of "Nutrition Food for Pregnant Women"

11. A public Talk on "Inspiring Women in India" was held.

12. Extension Programme held on 'Chiguru Orphanage' located at Tadepalli to create awareness on health and self-protection

13. My feminine self (drawing competition)

14. A public talk on "Respect for Women in our Culture"

5.9 Students Activities

5.9.1   No. of students participated in Sports, Games and other events

State/ University level   706   National level   550   International level   12

No. of students participated in cultural events

State/ University level   1295   National level   80   International level   0

5.9.2   No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level   45   National level   31   International level   7

Cultural: State/ University level   40   National level   54   International level   0

5.10 Scholarships and Financial Support

Type of financial support	Number of students	Amount (Rs)
Financial support from institution	9667	243583000/-
Financial support from government	57	5831500/-
Financial support from other sources	16	289500/-
Number of students who received International/ National recognitions	2	-

5.11   Student organised / initiatives

Fairs   : State/ University level | 71 | National level | 4 | International level | 0 |

Exhibition: State/ University level | 30 | National level | 0 | International level | 0 |

5.12   No. of social initiatives undertaken by the students | 101 |

5.13 Major grievances of students (if any) redressed: NIL

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision: To be a globally renowned University.

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.

6.2 Does the Institution has a management Information System

1. The University has implemented state of the art ERP system. All the faculty at different levels in their positions are defined with proper access rights, which enables them to access the required information.
2. The ERP system is built with intelligence to aggregate, summarise the information and provide the details required as per the level of the employee within the organization.
3. All the departments and cells prepare the monthly reports based on various activities organized by them and the report goes to the Management for information.
4. IQAC sends its audit reports covering compliance of various activities to the management for information periodically.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

1. Feedback on curriculum is taken from various stakeholders including parents, alumni, industry, academic peers and various students.
2. A study is conducted to find the emerging technologies and societal needs
3. Industry persons have provided inputs related to their requirements
4. Program objectives and student outcomes are extracted
5. Courses are selected that match the expected outcomes.
6. The relationship among the courses are identified and structured according to the order of learning.
7. Practice sessions that relate to a topic are also identified
8. Syllabus is reviewed periodically by the Department Curriculum Development Committee in which all the feedback points given by various stakeholders are analysed. Necessary suggestions are incorporated.
9. B.O.S (Board of Studies) meeting is conducted twice in the academic year in which outside academic peers are also involved. Syllabus as per the requirement of industry and societal needs is upgraded and is sent to the Academic Council of the University for approval.

10. After getting the approval of the Academic Council, the syllabus is released for implementation.

6.3.2 Teaching and Learning

1. Highly qualified and experienced faculty are recruited and retained.

2. The faculty are encouraged to upgrade their knowledge by deputing them to participate in workshops, conferences, seminars, industrial training etc.

3. Numbers of training programs are conducted through self-financed "Academic Staff College" of the University for enhancing the skills of the faculty.

4. Laboratories are periodically upgraded with the latest equipment for ensuring the effective exposure of students and faculty.

5. Industry oriented special laboratories are established.

6. Lesson plans are prepared for uniform coverage of syllabus.

7. Appointment of Course Co-ordinators to ensure uniform course delivery.

8. e-learning sites are updated with the presentations by the faculty which are accessible to the students online.

9. Simulation tools are effectively used.

10. Students are trained in using software tools on their own laptops.

11. Numbers of academic flexibilities are offered to the students.

12. Effective counselling mechanism is adopted for counselling the students.

13. Slow learners are identified and advised them during the process of course selection.

14. Student centric learning related initiatives are implemented in the class rooms.

15. Self and active learning is inculcated among students through assignments and tutorials.

16. Internship program in monitored through PRACTICE SCHOOL by the way of training in industry.

17. Term papers, mini projects are introduced for effective application of concepts.

18. Foreign faculty are invited to deliver specified courses.

19. ICT enabled class rooms are provided.

20. Students are exposed to "All India Virtual Class Room" initiated by MHRD.

21. Subject based workshops and seminars are conducted.

22. Renowned academicians and industrial experts are invited to deliver guest lectures.

23. Industrial skills focussed certificate courses are conducted.

24. "Project based Laboratories" are implemented with which a project is developed in each and every core laboratory by the students individually.

25. "Lab taken to Class (LTC)" is implemented with which effective understanding and application is ensured.

26. Subject based Forums and Blogs are formed for each class for facilitating discussions.

27. On-line mode open electives are offered to improve self-learning capabilities of the students.

28. Continuous Learning through LMS

29. Subject based Seminars

30. Subject based Group discussions

31. Online continuous evaluation using LMS

32. Conduct of webinars as part of 24/7 teacher-student interaction.

33. Development of video content for lectures to support flipped learning

34. Online monitoring of peer learning and evaluation activities through LMS workshops.

6.3.3 Examination and Evaluation

1. Continuous evaluation system in the form of Tests, Assignments, Seminars, viva-voce and end semester final examination.
2. Lab component is embedded with theory component for the evaluation of complete "COURSE".
3. Implemented Hybrid system of Absolute and Relative grading system.
4. Elimination of evaluation party by making single faculty to correct the answer of all the students for the same question.
5. Introduced a system of checking and counter checking of the valuation system.
6. Ensuring the declaration of results within 2 to 3 weeks' time.
7. Conduct of summer term courses for detained students and also for the students who wants to improve their grading.
8. Use of different methods of testing the students for internal evaluation keeping in view of expected outcomes
9. Practicing is given 25% weightage both in Internal and External evaluation
10. Question papers are set by experts which are innovative and creative
11. OBE based evaluation is completed soon after completion of the Internal and external evaluation is done and the extent to which the outcomes are assessed.

6.3.4 Research and Development

1. Grouping faculty into various "Research Groups" based on their research interests to facilitate concentrated effort towards exploring various research problems.

2. Exploring research through students by making them solve research problems within the scope of different courses, term papers and student projects.
3. Making high bandwidth available for those who undertake cutting edge research.
4. Subscribed to SCOPUS for facilitating the faculty to search for high cited and indexed articles in the similar areas of research being conducted by the research groups.
5. Making the students to take up concept based and innovative projects through internal funding.
6. Enhanced the library with quite a number of e-resources.
7. Conducted Conferences and workshops in around the focussed areas of research.
8. Deputed faculty to the conferences which are related to focussed area of research.
9. Introduced incentives to foster research and publishing the same in indexed journals.
10. Faculty have applied for sponsored projects in prominent areas identified by Government of India.
11. Have developed innovative centre where the research investigations are incubated and same are used for high level testing.
12. Organised courses for scholars which are focussed to the research being conducted by the scholars.
13. Pre-Ph.D papers have been standardised and quality assessed by eminent professors and the same have been used for the pre-Ph.D examinations
14. Involving students also along with the faculty in various research groups.
15. Enabling the Academic departments to apply for "Funding Projects" to various funding agencies including for FIST sponsored funding of DST.
16. Enabling the faculty to apply for the prestigious "UGC Research Awards".
17. Enabling the faculty to give high quality projects to the students from the research areas.
18. Enabling the faculty to publish their research findings in high impact factor journals including SCOPUS indexed journals.
19. Enabling the students to convert their project outcomes in to paper publications.
20. Enabling the library to subscribe for number of standard National and International journals.
21. Enabling the library to enhance the e-resources facilities.
22. Enabling the faculty to registrar for Ph.D if they were not registered earlier.
23. Enabling the faculty to apply for "in house research funding".

6.3.5 Library, ICT and physical infrastructure / instrumentation

1. Implemented high speed search engine using which the availability of either the books or Journals can be verified.
2. The library augmented with all the books required for delivering the courses.
3. The time required for fetching a resource from the library has been minimised.

4. Implemented an Integrated Library management system.
5. Implemented Inter-Library transaction system.
6. Library Timings have been enhanced for achieving access of the students and the faculty at the time is required
7. High speed Internet Bandwidth is made available to access the e-resources with ease.
8. ICT:
9. A separate department "ET facilities and Animation" is established for procuring and maintaining all the ICT enabled teaching aids in classrooms, conference halls etc.
10. All the classrooms are ICT enabled.
11. Video conferencing facility is made available for students and faculty.
12. The faculty uses an ICT facility matching to the topic of delivery.
13. Library Committee is created / constituted in all the academic departments in which some students are also members.
14. Central level Library Advisory Committee is constituted in which outside experts are also members.
15. Departments send the requirement to the central library for procurement well before the commencement of the semester.
16. Central library ensures the availability of required books of the departments before the commencement of the semester by procuring them as per the approved budget.
17. Usage of digital library effectively.
18. Working of the library beyond the working hours and also on holidays.
19. Maintaining an effective "Repository" system.
20. Subscribing for standard National and International Journals.
21. Operating department libraries. Over and above the Central library.
22. Fully automated system in operation.

6.3.6 Human Resource Management

1. Recruitment of qualified and experienced faculty is by properly constituted selection committees.

2. Faculty student ratio is maintained as per the applicable norms.

3. Faculty are deputed for conferences and workshops for up-gradation of knowledge.

4. Welfare schemes for faculty and staff are implemented.

6.3.7 Faculty and Staff recruitment

1. Faculty with higher qualification are only considered for recruitment. (M. Tech. is minimum in case of Engineering, Ph. D in case of Management, Sciences, Humanities and Arts).

2. Faculty with considerable experience are considered for recruitment.

3. Faculty with research potential and industrial experience are given preference.

4. Constituted a committee for each department which conducts the recruitment process effectively by conducting written test, followed by

interview in different phases which ensure the Quality of recruitment process.

5. Staff recruitment is also through a constituted committee for each department which take into consideration the qualification, experience and performance in interview for ensuring the quality of recruitment process and quality of recruited Staff.

6.3.8 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

6.3.9 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 (10+2 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.

6.4 Welfare schemes for

Teaching	Med claim

	Gratuity	
	Fee Concessions to the Children of Employees	
	Fee reimbursement to children of the faculty who study outside the university	
	Subsidized accommodation	
	Loan facility	
	Group saving linked insurance	
	Special leaves for marriage's, maternity, bereavement in employ family.	
Non teaching	Med claim	
	Gratuity	
	Fee Concessions to the Children of Employees	
	ESI Facility	
	Provident Fund (PF)	
	Special leaves for marriage's, maternity, bereavement in employ family.	
	Group saving linked insurance	
	Loan facility	
Students	Free counselling to all the students.	
	Dispensary and ambulance facility.	
	Fitness centers with state of the art equipment.	
	Yoga and Sports.	

6.5 Total corpus fund generated   Rs. 19,10,18,445 /-

6.6 Whether annual financial audit has been done   Yes √   No ☐

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

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

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes   Yes √   No ☐

For PG Programmes   Yes √   No ☐

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

1. Transparent examination system.

2. Hybrid grading which has both absolute and relative grading.

3. Computerization of examination system.

4. Elimination of evaluation disparity by making single faculty to correct the answer of all the students for the same question

5. Declaration of results within 15 days of conducting the comprehensive examination and issue of grade certificates within 3 weeks from the date of conduct of the comprehensive examinations.

6. Absolute grading with relative scale.

7. Enhanced transparency of evaluation by providing Xerox copy of End semester answer booklet to the student.

8. Revaluation of Every Answer booklet is done then it is verified and approved before release of grades.

9. Auditing of entire question bank and random evaluated answer booklets by the team of experts.

10. Rubrics were introduced in all evaluations such as Lab, Seminar, Term paper, Project, and Practice School.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Not applicable, University has no affiliated / constituent colleges

6.11 Activities and support from the Alumni Association

Alumni meet :-

S.No	Branch	Activity	Batch	Dates
1	All Branches	SILVER JUBLIEE CELEBRATIONS	1987-91 Batch	09/07/2016 to 10/07/2016
2	MECH	Reunion	1991-95 Batch	5/11/16 to 6/11/16

Activities:-

S.No	Branch	Activity	Organization /Designation	Resource Person/ Resource	Dates
1	All Departments	Eye Camp	Sankar Netralaya	KLUAA	2/12/16 to 3/12/16
2	CSE	Guest Lecture	AMAZON	Atul Kumar Saurabh 2011	23/12/2016
3	Bio Tech	Guest Lecture	Consultant	Mr. Nitin Challa 2011	03/01/2017
4	EEE	Guest Lecture	INFOSYS	Mr. Ch. Naresh Kumar	08/02/2017
5	CSE	Guest Lecture	Data Science	KLUAA -CSE Students	23/02/2017

6	MECH	Guest Lecture	VNR VJIT	Dr. M.V.R.D. Prasad HOD	24/02/2017
7	Bio Tech	Guest Lecture	Consultant	T Venkata Bala Sai Chaitanya 2005-2009	17/02/2017 to 19/02/2017
8	CIVIL	Guest Lecture	KLU Site Engineer	Ch Veerendra Y8CE208	27/02/2017
9	ECE	Guest Lecture	Project Manager CYIENT	Avinash Yadlapati	06/03/2016
10	CSE	Guest Lecture	Cognizant Technologies	B.Sai Sashank	16/03/2017
11	CSE	Guest Lecture	IIT Dhanbad	Dr A Chandra Sekhar	24/03/2017

- The alumni have contributed a total amount of Rs. **86,14,741/-** towards infrastructure development of university.

6.12 Activities and support from the Parent – Teacher Association

1. At the time of admission, parents are explained about all the activities of the University which is helpful in effective progresses of the student in the University.

2. After evaluating the student in each component, performance of the student is sent to the parent along with the details of attendance.

3. Counsellor earmarked to the student is in touch with the parent on continuous basis and inform the parent about the progress of ward.

4. Parents meet is conducted every year and suggestions, feedback of the parents are taken by the department on various aspects.

6.13 Development programmes for support staff

1. Training programme on English Communication Skills for Supporting Staff.

2. Lab Technicians were trained by the respective faculty in-charges of the labs in each Department.

3. 4-Days workshop on MS Office for library and non-teaching staff.

6.14 Initiatives taken by the institution to make the campus eco-friendly

1. Eco-friendliness is the policy of the University. Lawns, Gardens, and Major trees are given utmost importance and required care is taken to maintain the Campus Green, even while new constructions are initiated.

2. Approach roads are lined with trees and shrubs in and around the campus.

3. Use of Plastic is banned in the campus.

4. Different coloured dust bins are used to drop the biodegradable waste, recyclable paper waste and other wastes.

5. Bio-Diversity park is maintained which shelters various types of rabbits, cocks, ducks, parrots, monkeys etc.

6. Biogas plant is being used by the University to generate biogas from the hostel waste.

7. Solar heating system has been in use for heating water in hostels.

8. Rain water harvesting is made, and recycled water is used for gardening.

9. Sewage treatment plant is maintained.

10. Students and faculty are organizing various awareness camps such as "No to Plastic", "Switch OFF when not in Use", "Clean and Green" etc.

11. Renewable energy sources such as Solar Panels and Windmills on all roof-tops, radiant cooling technology for 2 lakh sqft of Library building and green certified construction material that are recyclable are in plan of proposal to be installed and used.

12. Eco friendly paints, glass, tiles, bricks are using.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

1. Releasing the calendar of activities for the entire academic year in the beginning which helped the departments to plan their activities as per the calendar.

2. Introducing the course coordinator system for multi sections has resulted into uniform coverage of syllabus and uniform delivery in multi sections.

3. Uploading of course content in e-learning sites has helped the students in better accessing of content.

4. Organizing subject based seminars and subject based workshops have helped the faculty and students to enhance their core technical skills.

5. Imparting course delivery by foreign faculty has helped the students to have international exposure.

6. Offering academic flexibilities like degree with specialization, interdisciplinary electives etc… have helped the students to have better exposure in their selected areas.

7. Involving students in various committees has helped the students to share their thoughts for further improvement of system.

8. Operating hobby clubs in the University has helped the students to involve as per their choice of interest (hobbies).

9. Conducting seminars and group discussions on weekly basis has helped the students to improve their communication skills.

10. Enhancing the student exposure to various industrial processes through guest lectures, industrial visits, industrial training and practice school.

11. Organizing International Conferences by the departments has helped the faculty and students to have exposure in latest areas of research.

12. Inducing the concept of PROJECT BASED LABORATORIES has helped the students to apply their core skills effectively in various labs in the form of projects.

13. Operating research groups in focus areas has helped the faculty to do quality research in terms of sponsored projects and in publishing papers in indexed journals.

14. Implementing concept of LAB TAKEN TO CLASS has helped the students to understand the concepts very effectively in the class.

15. Involving students in research Clubs has helped the students to have research exposure.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

S. No.	Plan of Action for innovation	Action taken report
1.	Releasing the Calendar of activities for the entire academic year.	Released the Calendar of activities for the entire academic year for implementation.
2.	Allocating the Course coordinators for	Course coordinators are allocated for multi

	multi section courses.	section courses.	
3.	Uploading the course content in e-learning sites.	All the faculty uploaded the course content in their e-learning sites.	
4.	Implementing the concept of PROJECT BASED LAB for all the core laboratory courses.	Implemented the concept of PROJECT BASED LAB for all the core laboratory courses.	
5.	Organising subject based seminars and subject based workshops.	Subject based seminars and subject based workshops are organized by the departments.	
6.	Implementing the concept of Lab taken to the classroom.	Implemented the concept of lab taken to classroom for all the core courses.	
7.	Delivering a part of course by foreign faculty.	Some courses were delivered by foreign faculty covering various departments in the university.	
8.	Offering Academic flexibilities	Offered academic flexibilities to students.	
9.	Involving students in various committees.	Involved students in various committees for better improvement in the system.	
10.	Operating hobby clubs in the University.	Operated hobby clubs in the University and students are enrolled as per their choice.	
11.	Conducting seminars and group discussions for students	Conducted seminars and group discussions for students.	
12.	Exposing students to various industrial processes.	Exposed students to various industrial processes through guest lectures, industrial visits, industrial training & Practice School.	
13.	Involving students in research clubs.	Involved students in research clubs.	
14.	Organising International Conferences by the departments.	Organised International Conferences in all the departments.	
15.	Operating research groups in focussed areas.	Operated research groups in focussed areas.	

7.3 Give two Best Practices of the institution *(please see the format in the NAAC Self-study Manuals)*

1. Development of skills for employing unemployed.
2. Entrepreneur development through incubation.

(Details about the Best Practices are placed at Annexure-C, Annexure-D)

7.4 Contribution to environmental awareness / protection

Steps launched by the institution towards creating environmental consciousness in the campus Environmental initiatives:

1. Eco-friendliness is the policy matter of the University. The university invests heavily to realize university as Green Campus. Lawns, gardens trees and all greenery is well maintained on a daily schedule. Despite the ongoing construction works, maintenance staff are deployed timely to clean-up construction residues.

2. Trees and shrubs are planted to the either sides of the approach ways all around the campus.
3. Use of Plastic is prohibited in the campus.
4. Special coloured dust bins are used to collect biodegradable waste, recyclable paper waste and biological wastes separately.
5. Bio-diversity park is maintained which habitats variety of animals like rabbits, cocks, ducks, parrots, monkeys etc.
6. Biogas plant is installed within the University campus to generate biogas from hostel wastes.
7. Solar heating system has been in use for the supply of hot water in hostels.
8. Rain water is harvested and recycled water is used to water gardens and lawns.
9. Sewage treatment plant is maintained.
10. Solar Power generation initiated.
11. Wind Power generation initiated.
12. Energy efficient equipment installed
13. Yearly environmental audit is carried out.

Environmental consciousness

Various awareness camps are organized regularly by student groups and faculty to bring consciousness about environment and its protection. Awareness camps such as given below are organized regularly.

1. GREEN BRIGADE- You can make a difference
2. No to Plastic
3. Switch OFF when not in Use
4. Clean and Green
5. Carbon footprint
6. Drive less, Walk more
7. Prevent Littering
8. Buy Recycled Products

7.5 Whether environmental audit was conducted?   Yes √   No ☐

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

- Students are involved in various committees and their inputs are analysed for improvement in the processes and the system.

- SWOT analysis for placement registered students is done periodically and necessary training is imparted to the students in accordance with their academic needs.

- Technical certificate courses are offered in all the departments for enhancing the skills of the students.

- Certificate courses in sports are made compulsory for all the students.

- Research clubs and research groups are constituted for strengthening the research activity.

8. Plans of institution for next year

- To conduct international conference in department of Electronics& Communication Engineering

- To apply and to aim for FIST funding from DST for the departments which do not have FIST funding currently.

- To apply and aim for more sponsored funding projects and paper publication than the previous year.

Name :   Dr. K. Rama Krishna   Name: Dr. L. S. S. Reddy

9/3/18

Signature of the Coordinator, IQAC   Signature of the Chairperson, IQAC

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Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

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Academic calendar for the Year 2016-17

Academic Calendar (UG Engineering Programs, BCA, B.Sc., BFA)

Event	Dates
Registrations for III Sem to VII Sem	**28th & 29th June 2016**
Commencement of Classwork for III Sem to VII Sem	**30th June 2016**
Registrations for all Sem I Students	**29th June to 1st July 2016**
Commencement of Classwork for I Sem Students	**5th July 2016**
Review of Summer Internship for Y14 Batch B. Tech. Students	9th July 2016
1st Tests (for 2nd, 3rd and 4th Years)	1st Aug. to 3rd Aug. 2016
1st Tests (for 1st Year)	4th Aug. to 10th Aug. 2016
Krishna Pushkaralu Break	**11th Aug. to 24th Aug. 2016**
2nd Tests (for 2nd, 3rd and 4th Years)	8th to 10th September 2016
2nd Tests (for 1st Year)	12th to 17th September 2016
SAMYAK	**6th and 7th Oct. 2016**
FEM-Flare	**8th Oct. 2016**
Dussera Holidays	9th to 11th Oct. 2016
3rd Tests (for 2nd, 3rd and 4th Years)	12th to 14th Oct. 2016
3rd Tests (for 1st Year)	17th to 22nd Oct. 2016
Certificate Courses @ 8 hours per day (for 2nd, 3rd and 4th Years)	15th to 19th Oct. 2016
Projects Expo	**7th Nov. 2016**
Lab evaluation week for Odd Sem for both UG and PG	31st Oct. To 4th Nov. 2016
Last instruction Day for Odd Sem	**8th Nov. 2016**
Odd Semester End Examinations	**15th to 29th Nov. 2016**
Semester Break	**30th Nov. To 13th Dec. 2016**
Even Semester Registrations	**14th December 2016**
Class work Commencement for Even Semester	**16th December 2016**
Pongal Holidays	13th to 16th January 2017
1st Tests (for 2nd, 3rd and 4th Years)	17th to 19th January 2017
1st Tests (for 1st Year)	17th to 23rd January 2017
2nd Tests (for 2nd, 3rd and 4th Years)	10th to 13th Feb. 2017
2nd Tests (for 1st Year)	13th to 18th Feb. 2017
Women's Day	**8th March 2017**
SURABHI	**9th and 10th March 2017**
3rd Tests (for 2nd, 3rd and 4th Years)	23rd to 25th March 2017
3rd Tests (for 1st Year)	23rd to 30th March 2017
Certificate Courses @ 8 hours per day	15th to 19th March 2017
Lab evaluation week for Even Sem for both UG and PG	10th to 15th April 2017

Event	Dates
Projects Expo	**15th April 2017**
Last instruction Day for Even Sem for both UG and PG	**15th April 2017**
Summer Term Classes begins	11th May 2017
Even Semester End Examinations for both UG and PG	**24th April to 8th May 2017**
Academic Registrations for 2017-18 UG and PG programs	**1st July 2017**
Practice School	
Registrations for Practice School-I for Y13 Batch B. Tech students	**27th June 2016**
Practice School-I for 2016-17 Commencement for Y13 Batch B.Tech. Students	**28th June 2016**
Midterm review of Practice School-I for Y13 Batch B. Tech. Students	1st to 3rd September 2016
Final review of Practice School-I for Y13 Batch B. Tech. Students	10th to 12th Nov. 2016
Registrations for Practice School-II for Y13 Batch B. Tech students	**12th December 2016**
Commencement of Practice School-II for Y13 Batch B. Tech students	**15th December 2016**
Midterm review of Practice School-II for Y13 Batch B. Tech. Students	20th to 25th February 2017
Final review of Practice School-II for Y13 Batch B. Tech. Students	**17th to 22nd April 2017**
Registrations for Practice School-I for Y14 Batch B. Tech students	24th June 2017
Review of Summer Internship for Y15 Batch B.Tech. Students	8th July 2017

Calendar for BBA-MBA, BBA-LLB, B.Com (Hons), BHM, MBA and M.Com. Programs

Induction Program (for 1st Year Students)	18th July to 2nd August 2016
Academic Registrations for **Odd Semester** of 2016-17	4th August 2016
Class work Commencement for Odd Semester	5th August 2016
Krishna Pushkaralu Break	11th Aug. to 24th Aug. 2016
1st Test	14th to 17th Sept. 2016
SAMYAK	6th and 7th Oct. 2016
FEM-Flare	8th Oct. 2016
Dussera Holidays	9th to 11th Oct. 2016
2nd Test	15th to 19th Oct. 2016
3rd Test	12th to 16th Nov. 2016
Last instruction Day for Odd Semester	2nd December 2016
Odd Semester End Examinations	12th December 2016
Semester Break	21st December 2016
Academic Registrations for **Even Semester** of 2016-17	22nd December 2016
Class work Commencement for Even Semester	23rd December 2016
Pongal Holidays	13th to 16th January 2017
1st Test	21st to 25th January 2017
2nd Test	17th to 21st February 2017
Women's Day	8th March 2017
SURABHI	9th and 10th March 2017
3rd Test	22nd to 25th March 2017
Last instruction Day for Even Semester	15th April 2017
Even Semester End Examinations	25th April 2017
Commencement of Summer Internship for BBA / B.Com. / BHM / MBA Programs	8th May 2017
Summer Term Classes begins	11th May 2017
Closure of Summer Internship for BBA, B.Com. and BHM	3rd July 2017
Closure of Summer Internship for MBA	31st July 2017
Commencement of Academic Year 2017-18	2nd August 2017

Analysis of feedback on the curriculum by stakeholders

S. No	Recommendations	Action taken	Department
1. STUDENTS			
1	Request to introduce plant and animal biotechnology as separate courses	Considered and introduced as separate courses.	BT
2	Discussed about the course linearity and project work.	Satisfied with linearity.	
3	There is no subject covering the basic knowledge of dynamics required to understand turbines mechanism in hydro power plant and construction structures with controlled atmosphere	Syllabus of fluid mechanics and hydraulics & hydraulic machines were reviewed and concepts related to turbine are introduced	CE
4	Syllabus is lengthy so focus towards most important topics.	Syllabus of core courses and professional elective courses were reviewed and concepts having application oriented are introduced	
	Syllabus should be related to applications	Syllabus of core courses and professional elective courses were reviewed and revised considering the time frame	
5	Department should offer the professional elective subjects covering wide range of civil engineering domains to cater the present needs of the industry	Professional elective courses offered in different domains are reviewed and new elective courses that can cater to the needs of the industry are identified and introduced	
6	Lab sessions should be followed as per theory sessions.	Considered and syllabus is aligned aaccordingly.	ECE
7	More hands-on should be included in theory.	Considered and syllabus is aligned aaccordingly.	
8	Applications for every topic should be discussed in detail for every topic by showing videos.	Partially Considered	
9	LTC sessions are not being implemented efficiently. Both LTC and Assignment become the same.	Considered and aligned.	
11	More lab hours needed on core subjects.	Considered and syllabus is aligned aaccordingly.	

12	To approve the course structure and Syllabus of B.Tech ECM for 2016-2020 admitted batch with the following modifications. To offer the course C and Data Structures as two separate courses C & Data Structures-1and C & Data Structures– 2 in the Ist and IInd semesters of the first year respectively	Considered and C Programming and Data structures course is split as C & Data Structures-1 and C & Data Structures-2	ECM
13	To remove Thermodynamics from 2016 Academic year onwards for ECM students	Considered	
14	To follow the same course structure and syllabus of M.Tech (ES) & M.Tech (WCSN) of 2015-2017 for 2016-2017 admitted batch also	Considered	
15	To introduce probability in curriculum	Considered and Approved in BoS and therefore Discrete mathematics have been replaced with probability & Numerical methods is included	EEE
16	To cover the core topics of GATE in Curriculum	Considered and Core courses have been modified to suffice the requirement of GATE	
17	Syllabus of Business Statisticsto be altered in relation to changing needs	Incorporated in curriculum	B.Com
18	An educational tour should be arranged for students	Educational tour to Delhi and Mussouri has been arranged from 22 September-1st October 2017	BA
19	To make availability of more books for the Departmental Library.	Subject wise reference books are identified and decided to make available these books in the Departmental Library.	
20	Departmental weekly off should be given on one day (Friday or Saturday)	Rejected. As the work load is high for BA-IAS course (44 hours/week).	
21	Number of Topics can be reduced in view of heavy syllabus	Partially Approved	Chemistry
22	Lab Training is need on the current technologies.	Considered	
23	Advanced topics can be included in the syllabus	Considered and incorporated.	
24	Syllabus looks expansive	Partially Considered and incorporated.	Physics
26	More lab based experiments and projects can be given to choose from	Considered	
27	To increase no. of lab experiments in various courses	In courses like Computer Networks, RDBMS and Web Technologies advanced experiments are approved to be added	BCA
28	To include vibrations in compulsory core course	Approved in BoS and therefore Kinematics of Machines and Dynamics of Machines including Vibrations have been implemented	ME

29	To cover the core topics of GATE in Curriculum	Core courses have been modified to suffice the requirement of GATE	
30	To introduce Robotics and Mechatronics courses as compulsory courses.	BoS made the Robotics and Mechatronics courses as compulsory courses for the current admitted batch.	
31	MMT syllabus is more, reduce the syllabus	BoS approved to split the course into two courses as the syllabus in MMT course is more.	

2. PARENTS			
1	Suggested to introduce skill oriented certificate courses	Considered and incorporated.	BT
2	Gave few suggestions related to project work and practice school.	Considered and incorporated.	
3	Software industry is the sector where mass recruitment opportunities are exiting. It will be appropriate if a course related to networking is introduced at graduation level	Considered and incorporated 3 courses which can impart basic knowledge related to programming	CE
4	With the introduction of various domains of professional core electives in civil engineering, a gap in mathematical skill is observed for understanding various modelling, analysis and design topics. A mathematical course which bridges this gap is required to be introduced.	Existing mathematics related courses and their syllabus were reviewed and revised considering the set of skill required for understanding core and elective courses being offered	
5	A course which can impart knowledge related to Verbal and quantitative reasoning is required in order to compete various competitive exams.	It was recommended to introduce a course related to verbal, quantative aptitude and reasoning	
6	Dr.P.Srinivasa Rao (Parents feedback)	Modifies C and DS as Problem Solving through C programming	CSE
	Requesting to change Advanced data structures in I Year II Sem to II Year because it is difficult to understand in I Year	DS Course is Kept in II Year	
7	More free hours to be allotted for extra-curricular activities.	Partially considered and Approved	ECE
8	Syllabus of some subjects can be reduced or may dived in to two courses.	considered and necessary amendments done.	
9	Practical exposure is more required.	Considered	
10	New technologies based subjects may be included in the curriculum.	considered and necessary amendments done.	
11	Syllabus of Banking is to be added by Insurances	Incorporated in curriculum	B.Com
12	An educational tour should be arranged for students	Educational tour to Delhi and Mussouri has been arranged from 22 September-1st October 2017	BA

13	Students should be given exposure to the working of the Civil servants and guest lecturers by the Civil servants	It is decided to arrange Guest lecturers from IAS/IPS/other experienced persons related to civil services.	
14	Introduce students to yoga and meditation Classes.	Yoga and meditation classes are conducted in the university auditorium. It is not possible to include in the BA Curriculum.	
15	Provide more time for Laboratory practice & lab project.	Considered	
16	More practical exposure is required like industrial tours need to be incorporated in the curriculum.	Partially Considered	Chemistry
17	Pre requisite topics suitable for core courses can be included in the syllabus	Considered and incorporated.	
18	Activity based theory sessions can be adapted	Considered	
19	More time may be given for execution of project work	Considered	Physics
20	Curriculum is upto the mark.	It is decided to retain the same curriculum for 2017-18 admitted batches	BCA
3.ALUMINI			
1	Suggested to introduce more medical related topics or courses	Considered and incorporated.	
2	Few modifications were suggested in genomics and proteomics based electives.	Considered and incorporated.	BT
3	New M.Tech Programme in Environment is to be named as Environmental Engineering instead of Environmental Technology and Management.	Course is floated as Enviromental Engineering	
4	Syllabus is too lengthy and the same is to be reduced	Syllabus of core courses and professional elective courses is reviewed and revised where ever it is felt necessary	CE
5	With the introduction of various domains of professional core electives in civil engineering, a gap in mathematical skill is observed for understanding various modelling, analysis and design topics. A mathematical course which bridge this gap is required to be introduced.	Existing mathematics related courses and their syllabus were reviewed and revised considering the set of skill required for understanding core and elective courses being offered	
6	D. Harshita from Com Tech(Alumni) Reduce Languages and Compilers Syllabus depth	Renamed Languages and Compilers as Compiler Design	CSE
7	New technologies are to be included in the syllabus.	Considered and incorporated.	ECE

8	Topics such as internet of things and fabrication technology can be included in the curriculum.	Considered and incorporated.	
9	Digital filter design may be included in the signal analysis course.	Considered and incorporated.	
10	Electromagnetic fields can be made as new course rather than included along with fields and networks course.	Considered and incorporated.	
11	Labs can be started from the first year onwards.	Considered and incorporated.	
12	New communication technologies can be made as a one course.	Considered and incorporated.	
13	More lab hours are required on the communication theory – II.	Partially Considered and incorporated.	
14	To introduce Economics course as a compulsory course	Approved in BoS and therefore Economics for Engineers is made as compulsory course	EEE
15	To introduce measurements & instrumentation concepts	New Course Electrical & Electronic Measurement & instrumentationwas introduced	
16	The course ''Indirect Taxes'' is to replaced by GST	Incorporated in curriculum	B.Com
17	Physico-Chemical parameters are very important from the industrial perspective and can be include in the curriculum.	Incorporated in curriculum	Chemistry
18	Advanced topics regarding Green chemistry and nano technology can be included in course.	Incorporated in curriculum	
19	Computational chemistry related topics may be Included for lab projects completion.	Partially Considered and incorporated.	
20	A student should achieve comprehensive knowledge on the properties of materials	Considered and syllabus is in line with that.	Physics
21	Emphasis on application oriented teaching needs to be taken-up	Considered	
4. FACULTY			
1	Recommended to introduce plant and animal biotechnology as separate courses with emphasis on experimental methods.	Considered and incorporated in curriculam	BT
2	Few modifications were suggested in bioprocess related electives.	Considered and incorporated in curriculam	
3	Programming industry is the place mass selection openings are clearing out. It will be fitting if a course related to frameworks organization is exhibited at graduation level	It was recommended to introduce courses which can impart skills related to programming	CE

4	Suggested to Change the LTP of DMS and SE from 3-0-2 to 3-1-0	Changed the LTP of DMS and SE from 3-0-2 to 3-1-0 and Introduced OOAD Lab	CSE
5	Suggested to change OS Textbook as it is not available in the market	changed OS Textbook as it is not available in the market	
6	Suggested to Modify syllabus and textbook of Computer Networks Course as the standard is high for B.Tech students	Changed accordingly	
7	New technologies like IOT are to be included in the syllabus	Considered and separate course is offered on IOT.	ECE
8	Advance communication topics to be inclused	Considered and separate course is offered	
9	Topics in MEMS technology to be included	Considered and separate course is offered	
10	The course '' Banking Law and practice'' to be included '' SARFAESI ACT''	Incorporated in curriculum	B.Com
11	Inclusion of employability skills in the curriculum.	Basics in computer skills have been introduced as a means of enhancing employability skills.	BA
12	General English should be introduced in the curriculum	Approved in the BOS and General English has been introduced in the third semester.	
13	Topics on the alloys & alloy properties can be included in the syllabus.	Considered and syllabus is changed accordingly to reflect he changes.	Chemistry
14	Advanced topics in polymers, corrosion can be included in the syllabus.	Partially Considered and incorporated.	
15	Apart from the Volumetric analysis , electro chemical instrumental methods can be introduced in the laboratory.	Considered and incorporated.	
16	Syllabus can be further tuned to suit the stakeholders	Considered and incorporated.	Physics
17	Weightage of lab-based projects can be increased	Partially Considered and incorporated.	
18	A few of the basic topics from all chapters can be removed as the students are already acquainted with them in their previous classes.	Partically Considered and incorporated.	
19	Curriculum is upto the mark.	It is decided to retain the same curriculum for 2017-18 admitted batches	BCA
	To introduce Economics course as a compulsory course		
	To broaden the content of Production Engineering stream		
	Modify and re align the courses related to Thermal Engineering		
20	To introduce Economics course as a compulsory course	Approved in BoS and therefore Economics for Engineers is made as compulsory course	ME

21	To broaden the content of Production Engineering stream	New Course Metal Cutting and Metal Forming was introduced	
22	Modify and re align the courses related to Thermal Engineering	Courses have been modified and now implemented as Gas Power Systems and Vapour Power Systems	
5. ACADEMIC PEERS			
1	Suggested to conduct plant cell culture experiments in depth.	Considered and incorporated.	BT
2	Secessions were given in improving the quality of research in project works.	Considered and incorporated.	
3	Number of Text books should not exceed two numbers in syllabus and course handout	Text books prescribed in all core and elective courses were reviewed and number of text books confined to maximum two	CE
4	In the prescribed text books and references books all information such as ISBN Number, Edition Number, Year, Full address and Revision has to be included in syllabus	Inputs given by academic peers was considered and all the informaion pertaining to prescribed text books is given	
5	In solid mechanics course topics of thick and thin cylinders and their applications to be added.	Inputs given by academic peers was considered and the same is included in the syllabus	
6	More emphasis is to be made on the practical knowledge of the student with a vision of familiarizing with current technologies.	Considered and incorporated.	ECE
7	As per the syllabus of the course Communication theory–I, the course title can be changed to Analog and Digital Communications.	Considered and Communication theory–I, course title changed to Analog and Digital Communications.	
8	The syllabus courses Signal processing and Signal analysis can be refurbished with more analysis on transformation techniques and also digital filter design can be incorporated in the signal analysis course.	Considered and incorporated.	
9	All advance communication topics like optical, cellular, and satellite communications can be combined in to a new course.	Considered and incorporated.	
10	Emphasis to be given on the design of antenna and wave guiding in the course communication theory – II.	Considered and incorporated.	
11	New courses can be introduced on the recent trends like sensor technologies and internet of thing.	Considered and incorporated.	
12	Laboratory oriented practice can be introduced from the first academic year of the student, in a way to enhance the technical skills.	Considered and incorporated.	

13	In the course of MEMS technology, more to stressed on the fabrication technology and various fabrication process for the device production.	Considered and incorporated.	
14	Generation, Distribution & Transmission Subject title has to be modified based on Electrical power.	Approved in BoS with a title of Electrical Power Generation, Distribution & Transmission	EEE
15	Changes in the program structure of MBA Program	Considered and MBA Program structanged.	MBA
16	Proposal for introducing Business Analytics as core course in MBA II Semester	Considered and incorporated.	
17	Introduction of Business Analytics and Digital Marketing as functional specialization areas under MBA Program	Considered and incorporated.	
18	Suggestion to assign credits by converting Environmental Science (15HS112) from non-credit course to 2-credit course	Considered and incorporated.	BBA
19	It si recommended to change in L-T-P of French course in BBA-MBA Integrated Program (15BB21K3) from 2-2-0 to 2-0-2 to increase emphasis on speaking skills of studnts	Considered and incorporated.	
20	Changes in the program structure of BBA-MBA integrated Program and MBA (Dual) Program	Considered and incorporated.	
21	Introduction of Business Analytics and Digital Marketing as functional specialization areas under BBA-MBA Program	Considered and incorporated.	
22	The course '' Management Accounting '' is to be incorporated	Incorporated in curriculum	B.Com
23	Students should be given exposure to the working of the Civil servants and guest lecturers by the Civil servants	It is decided to arrange Guest lecturers from IAS/IPS/other experienced persons related to civil services.	BA
24	Inclusion of languages for 3rd semester in the curriculum	Approved in the BOS and from the academic year 2017-18 this will be implemented.	
25	Curriculum is upto the mark.	It is decided to retain the same curriculum for 2017-18 admitted batches	BCA
26	Kinematics and Dynamics of Machines course may be split in two courses	BoS decided to offer the KDM course as two courses i.e KOM and DOM.	ME
6. INDUSTRY			

1	Secessions were given related to practice school and also gave suggestions to improve the impact factor of research paper	Considered	BT
2	Suggested to include Solid Mechanics by Gere and Waiver Book as References book for Solid Mechanics Course.	Inputs of Industry persons were considered and the same has been included	CE
3	Suggested to include Design of Concrete Structures by P.C. Varghese, A.K. Jain and Sinha & Roy Books as Reference book for the Course of Design of Reinforced Concrete Structures.	Inputs of Industry persons were considered and the same has been included	
4	Syllabus need to be revised in order to focus on areas of thrust or skills that market/construction industry is looking for. In this process topics having less importance need to be deleted and topics having more importance/relevance need to be added in order to cover the course with in the time frame.	Syllabus of core and professional elective courses were reviewed and revised as per the inputs given by industry experts feedback	
5	Design of digital filters can be added in the syllabus of discrete signal analysis, due to the current digital revolution.	Considered and incorporated.	ECE
6	The syllabus to be expanded with topics such as model based engineering including modeling and simulation.	Considered and incorporated.	
7	New courses can be introduced on the current technologies such as internet of things and sensors.	Considered and incorporated.	
8	A separate course on advance Electromagnetics can be introduced rather than one course that includes fields and networks.	Considered and incorporated.	
9	Advance communication technologies can be made into a single course.	Considered and incorporated.	
10	To change name of the B.Tech- ECM (Electronics & Computer Engineering) degree as B.Tech- ECSE (Electronics & Computer Science Engineering) from the batch admitted in the Academic Year 2016 onwards	Considered and BOS recommendations are sent to Academic Council.	
11	Syllabus of '' Corporate Accounting '' to be reduced by eliminating marine insurance	Considered and incorporated.	B.Com

12	In today's medical diagnosis such as MRI scanning chemistry of nuclear magnetic resonance require to understand.	Considered and incorporated.	Chemistry
13	The characterization of fuel like flash point, fire point can be introduced in the first year chemistry lab.	Considered and incorporated.	
14	Knowledge of materials is essential for a student and emphasis of selectrion of materials for different applications need to be given in class.	Considered and incorporated.	Physics
15	Practical session covering important properties of materials may be planned	Considered and incorporated.	
16	Curriculum is upto the mark.	It is decided to retain the same curriculum for 2017-18 admitted batches	BCA

Best Practice – Skill Development – External/Internal – Students/faculty - Employed / Unemployed

1	Title of the Practice	Skill development to make the applicants employable
2	Objectives of the practice	1. To start the Skill development centres approved by National Skill Development Centres in the sectors that include power, telecom, IOT, Analytical Intelligence and Machine Learning, Cloud Computing, Autotronics and Mechatronics 2. To train the faculty by experts so that they become the trainers as per the training inputs provided by the Industry 3. To place the trainees as interns and recruits within the associated Industry. 4. To make the students Industry ready
3	The Context	1. There is a GAP between the Industrial requirements and the expertise of graduating students and graduated faculty. The GAP is primarily is the lack of skills 2. There is a dearth of skilled manpower in different sectors that include power, telecom, IOT, Analytical Intelligence and Machine Learning, Cloud Computing, Autotronics and Mechatronics 3. Specialised skill development centres that focus on the skill development will reduce the GAP that existed in the availability of skills manpower
4	The practice	**Practice** 1. Obtain the approval NSDC operating the skill development centres 2. Provide the infrastructure as needed for housing the skill development centre 3. Obtain technical expertise from the Industry concerned 4. Train KLU faculty by experts operating in a specific sector 5. Announce Training programs 6. Admit students from KLU and from the institutions outside 7. Conduct training programs 8. Place the students as interns and as regular employees Limitations/ Constraints

		Time delays in obtaining necessary approvals
5	Evidence of the success	Similar practice has been extended to conduct skill related training programs by SWARNA BHARTH
6	Problems encountered and resource required	As of now no Problems have been encountered as the training programs have to be yet to commence. Resources required 1. Infrastructurall facilities as required for operating training programs related to skill development

Best Practice – Entrepreneur Development through Incubation

1	Title of the Practice	Entrepreneur development through Incubation
2	Objectives of the practice	1. To train the students so as to convert them as Entrepreneur 2. To develop entrepreneur centre under collaboration with Andhra Pradesh state skill development centre
3	The Context	Many of the students of KLU have set their goal to be entrepreneurs and expressed their future in those lines. Some of the students are words of some of the business men around. Some of the ideas that got emanated from the students are worth the incubation leading to large scale production through focussed businesses Findings of some of the projects undertaken have been assessed by experts, the need to incubate the same
4	The practice	**Practice** 1. Investigate and find the innovative ideas through assessing the term papers, UG and PG projects 2. Investigate Innovative ideas through conducting of Ideation programs 3. Use the industry experts to assess the worthiness of the innovative ideas in terms of industry and society needs 4. Identify the skills required for a student to be an entrepreneur and device training programs that must be delivered to the students to acquire the skills required 5. Enter into collaboration with APSSDC for organising the skill development programs related to managing a business 6. Train some selected students to be trainers of the skill development program 7. Establish the incubation centre that has the infrastructure required for incubating the selected ideas 8. Provide facilities within incubation centre for the students incubate their ideas 9. Students to develop the incubation 10. Show case the Incubated products industry if they are not entrepreneur identified 11. Enter into business agreements with the industry if required Limitations/ Constraints

		The facilities now provided in the incubation centre cater to maximum 20 different incubations.
5	Evidence of the success	20 incubations carried in the incubation centre have been converted into independent start-ups
6	Problems encountered and resource required	Problems Encountered Making Available infrastructural facilities required for incubating different ideas Resources required 1. Infrastructural facilities required to be made available in incubation centre which are required to incubate each of the idea 2. Trained manpower for imparting skills required to operate a businesses that are incubated in the incubation centre.