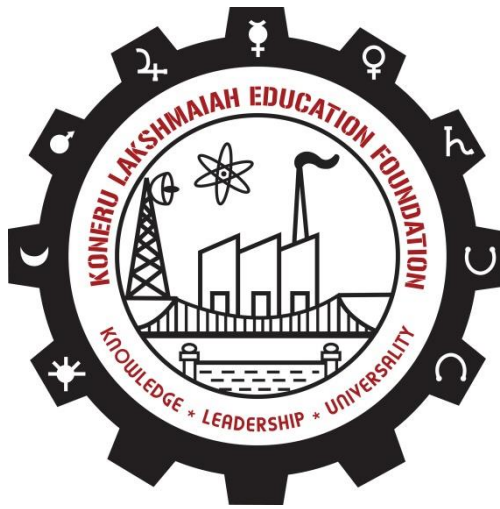# Koneru Lakshmaiah Education Foundation

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

Annual Quality Assurance Report (AQAR)

Academic Year: 2014-15

Part – A

1. 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:

> Prof. K. Subba Rao

Mobile:

> +91-9347567841

IQAC e-mail address: iqacoffice@kluniversity.in

1.3 **NAAC Track ID** *(For ex. MHCOGN 18879)*   15545

1.4 **NAAC Executive Committee No. & Date:**   EC/62/A&A/123,Date:5-1-2013
(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)

1.5 Website address: https://www.klef.edu.in/

"

Web-link of the APAR: https://www.klef.edu.in/pdfs/AQAR-2014-15.pdf

1.6 Accreditation Details

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

1.7 Datd of Establishmelt of IQAC : DD/]M/YYYY   10/10/2011

1.8 AQAR for the year *(for example 2110-11)*   2014-2015

1.9 Details of the previous year's AQAR submitted$to NAAC aftEr the latest Assesslent and Accreäitation by NAAC (*(for eXample @QAR 2010-11submitted(to NA@C on 12-1   -2011)*

   i. ÁQAR 2012-13 submitteD to NAAC on024-30-2016 (DD/MM/YYYY)
   ii. AQAR 2013-14submitted to NAAC on 25-03-2016 (DD/MI/YYY])

1.10!Anstitutional Status

University   IState ☐ Central ☐ Deemed √ Private ☐

Affiliateä 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)   .   -

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 | 4 |

2.4 No. of Management representatives | 2 |

2.5 No. of Alumni | 2 |

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 | 23 |

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 | - |

2.13 Seminars and Conferences (only quality related)

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

Total Nos. | 5 | International | | National | | State | | Institution Level | 5

(ii) Themes

a) Quality assessment of configuration items
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. Developed standard formats for reporting outcomes.
4. Developed check lists for auditing elements which are included into monthly reporting.
5. Developed documentation Standards.
6. Coordinated for Surveillance certification of ISO 9001.
7. Organized IQAC meetings with different stake holders.
8. Developed a framework related to NAAC bench marks.
9. Developed metrics for measuring different activities and performances.
10. Developed norms for different achievements and use the same for target setting.

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.

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 *

Plan of Action	Outcome
Auditing set of elements which are 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.
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.
Review of a set of processes that are related to academics and R&D.	6 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.
Coordinating for ISO 9001 Surveillance audit certification	Coordinated and achieved ISO 9001 Surveillance certification.
Developing standard formats for reporting outcomes.	Review and updating of formats related to academics and research have been developed and informed to all the concerned to use the same.
Developing check lists for auditing elements which are included into monthly reporting.	8 Check lists have been developed for auditing all the elements that have been included into the monthly reporting system.
Developing documentation Standards.	Documentation standard for monthly report has been developed and the same is being used by the departments for reporting progress related to various parameters.

Attach the Academic Calendar of the year as Annexure.

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

Management ☐   Syndicate √   Any other body ☐

The Syndicate has directed the following after reviewing the AQAR report submitted for the year 2014-15.

1. To audit the process related to placement activities.
2. To audit the effective implementation of the industry based collaborations.
3. To develop quality factors that assesses the quality of placement activity.
4. To audit the process related to Practice School.

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	1	13	13
PG	16	1	16	16
UG	12	2	12	12
PG Diploma	0	0	0	0
Advanced Diploma	0	0	0	0
Diploma	0	0	0	0
Certificate	0	0	0	0
Others	0	0	0	0
Total	41	4	41	41
Interdisciplinary	7	0	7	7
Innovative	41	4	41	41

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

Pattern	Number of programmes
Semester	41
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

Please provide an analysis of the feedback in the Annexure

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

1. New Programs M. Tech. (Construction Technology and Management), M. Tech. – Cloud computing
2. M.Tech. (RF & Microwave Engineering Course), B.Tech. in Petroleum Engineering were introduced.

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

1. Petroleum Engineering
2. CAMS
3. Centre for Atmospheric Sciences.
4. ESF LABS
5. WIPRO'S MISSION 10X LEARNING CENTRE

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
532	359	117	56	-

2.2 No. of permanent faculty with Ph.D.   187

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
14	0	05	0	18	0	0	0	37	0

2.4 No. of Guest and Visiting faculty and Temporary faculty   0   1   159

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	77	674	0
Presented papers	77	674	0
Resource Persons	7	42	0

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

The following processes that were adopted by the University in 2013-14 have been continued in 2014-15.

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.

In addition, the following new processes have been adopted by the University in 2014-15.

1. Lab taken into class rooms.

2.7 Total No. of actual teaching days
      during this academic year

      186

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

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1. Revaluation of Every Answer booklet is verified and approved before release of revaluating grades.
2. Auditing of entire question bank and random evaluated answer booklets by the team of experts.
3. Rubrics were introduced in all evaluations such as Lab, Seminar, Term paper, Project, Practice School.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development

93	69	691

as member of Board of Study/Faculty/Curriculum Development workshop

2.10 Average percentage of attendance of students

90%

2.11 Course/Programme wise distribution of pass percentage :

Title of the Program	Branch	Total no of Students Appeared	Division				
			Distinction %	I %	II %	III %	Pass %
UG-Engineering Stream							
B. Tech.	BT	39	23.08	38.46	23.08	0.00	84.62
	CE	193	9.84	38.86	27.46	0.00	76.17
	CSE	423	28.13	45.15	14.42	0.00	87.71
	ECE	528	48.11	28.22	12.69	0.00	89.02
	ECM	246	25.20	45.12	15.85	0.00	86.18
	EEE	303	29.37	42.57	17.16	0.00	89.11
	ME	379	16.62	44.59	21.37	0.00	82.59
UG – Non-Engineering Stream							
	BBA	56	19.64	25.00	12.50	0.00	57.14
	B.Com.	87	27.59	47.13	5.75	0.00	80.46
PG-Engineering Stream							
M.Tech	BT	4	50.00	25.00	0.00	0.00	75.00
	CSE	18	66.67	22.22	0.00	0.00	88.89
	CNS	11	90.91	9.09	0.00	0.00	100.00
	M.Tech(by research)CR	1	100.00	0.00	0.00	0.00	100.00
	CR	10	90.00	0.00	0.00	0.00	90.00
	VLSI	23	91.30	0.00	4.35	0.00	95.65
	PED	23	82.61	13.04	0.00	0.00	95.65
	PS	30	40.00	36.67	0.00	0.00	76.67
	TE	12	41.67	50.00	0.00	0.00	91.67
	ES	34	52.94	23.53	0.00	0.00	76.47
	SE	18	33.33	55.56	0.00	0.00	88.89
	SP	2	100.00	0.00	0.00	0.00	100.00
	WCSN	14	78.57	14.29	0.00	0.00	92.86

MT	4	25.00	25.00	0.00	0.00	50.00
PG – Non-Engineering Stream						
MBA(General)	80	56.25	21.25	1.25	0.00	78.75
MBA™	17	35.29	41.18	0.00	0.00	76.47

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

The following processes that were adopted by the University in 2013-14 have been continued in 2014-15.

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 that 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	95
UGC – Faculty Improvement Programme	0
HRD programmes	0
Orientation programmes	597
Faculty exchange programme	0
Staff training conducted by the university	618
Staff training conducted by other institutions	0
Summer / Winter schools, Workshops, etc.	575
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	592	0	0	0
Technical Staff	168	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 that together 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.

The following processes that were adopted by the University in 2013-14 have been continued in 2014-15.

1. To allocate projects to the students in the focussed area of research so that research will progress rapidly.
2. To develop norms that can be used to fix the targets to the faculty for achieving sponsored projects, indexed publications, undertaking the consultancy contracts and achieve patents.
3. To provide In-house funding for the innovative projects that are targeted towards concept proofing.
4. To Group the faculty into various "Research Groups" so that concentrated and connected quality research can be conducted. The activities to be conducted by the research group be identified and the same be monitored.
5. To involve the students and the faculty into one or more research groups based on their area of research so that focussed research can be conducted.
6. Monitor the citation count of the papers published by all the faculty of KLU.

In addition, the following new processes have been adopted by the University in 2014-15.

1. To shortlist the Journals having impact factor into which each of the research groups should publish.
2. Shortlist internationally renowned conferences which are focused for each of the research group and sponsor the faculty to attend only those conferences.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	16	19	8	118
Outlay in Rs. Lakhs	374.39	586.56	94.54	3560.52

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	696	78	774	796
Outlay in Rs. Lakhs	321.65	36.05	357.70	367.86

3.4 Details on research publications

	International	National	Others
Peer Review Journals	533	39	6
Non-Peer Review Journals	55	5	0
e-Journals	109	0	0
Conference proceedings	77	674	0

3.5 Details on Impact factor of publications:

Range $\boxed{0\text{-}2.758}$ Average $\boxed{0.865}$ h-index $\boxed{18}$ Nos. in SCOPUS $\boxed{543}$

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. In lakhs)	Received (Rs. In lakhs)
Major projects	2014-15	DST-WOS DST-FIST DST-SERB DST-Young Scientist DBT-Inspire UGC-Research awards, ICSSR CSIR DST-SERB	237.67	161.32
Minor Projects				
Interdisciplinary Projects	2014-15	DST-NRDMS	15.54	4.70
Industry sponsored			0.70	.70
Projects sponsored by the University/ College			330	298
Students research projects *(other than compulsory by the University)*			27	21.35
Any other(Specify)				
Total			610.91	486.07

3.7 No. of books published   i) With ISBN No. $\boxed{8}$ Chapters in Edited Books $\boxed{1}$

ii) Without ISBN No. $\boxed{0}$

3.8 No. of University Departments receiving funds from

UGC-SAP	0	CAS	0	DST-FIST	3
DPE	0			DBT Scheme/funds	2

3.9 For colleges

Autonomy	-	CPE	-	DBT Star Scheme	-
INSPIRE	-	CE	-	Any Other (specify)	-

3.10 Revenue generated through consultancy   11,04,314

3.11 No. of conferences

organized by the Institution

Level	International	National	State	University	College
Number	3	16	0	0	0
Sponsoring agencies	KLEF	DST-2, ACT-3 KLEF	-	-	KLEF

3.12 No. of faculty served as experts, chairpersons or resource persons   15

3.13 No. of collaborations   International 33   National 284   Any other -

3.14 No. of linkages created during this year   158

3.15 Total budget for research for current year in lakhs :

From Funding agency 166.14   From Management of University/College 375

Total 541.14

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	2
	Granted	0
International	Applied	0
	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
11	0	11	0	0	0	0

3.18 No. of faculty from the Institution
 who are Ph. D. Guides
 and students registered under them

114

415

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

10

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

JRF 11   SRF 0   Project Fellows 1   Any other 50

3.21 No. of students Participated in NSS events:

University level 1960   State level 0

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 0   College forum 0

NCC 0   NSS 26   Any other 24

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

- ➢ Computer Education Program
- ➢ Medical Camp
- ➢ Walk for Healthy Heart
- ➢ Swach Bhaarath –Swasth Bharat
- ➢ National Unit Day
- ➢ Happy New Year

- Made an Eye Operation
- Blood Donation Camp
- Pusthak Daan
- Young Leaders
- Distribution Of Books To Children
- Protsah 2K15
- Blood Donation Camp
- Swach Bharath
- Volunteers for River Krishna Harathi by distributing water packets &butter milk packets, maintaining Q lines
- Blood Donations
- Donation Of Computer Systems
- Health Camp
- Donation Of Basic Needs To Mother Theresa Orphanage
- Amodini Orphanage
- Technical Event in School
- Awareness on Social Values
- Health Awareness
- Cleanliness Rally
- Survey for High School Dropouts
- Plantation Drive
- Awareness against Cancer
- Blood Grouping
- Diabetes Camp
- Career Counselling for School Students
- Sanitation Awareness Rally
- Plantation Drive
- Electricity Conservation Rally
- Awareness on Seasonal Diseases to Villagers
- AIDS Awareness Rally
- Awareness on Human Rights
- Sanitation Awareness to Women in Villages
- Traffic Awareness Programme
- Republic Day
- Rally Against Tobacco Consumption
- Career Guidance to Schools
- First AID awareness to Volunteers
- Skill Development to Self Help Groups
- Self defence Techniques to Girls
- Career Opportunities for ZPHS Students
- Walk for Maintaining Harmony
- International Peace Day

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
Class rooms	141	10	Internal	151
Laboratories	126	40	Internal	166
Seminar Halls	4	3	Internal	7
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	111	45	Internal	156
Value of the equipment purchased during the year (Rs. in Lakhs)	1705.25	736.06	Internal	2441.31
Others	600.21	391.38	Internal	991.59

4.2 Computerization of administration and library

1. HR System
2. Finance Systems
3. Meetings System
4. Academic System
5. R and D System
6. Student Information System
7. Faculty Management System
8. Issue System
9. Procurement System
10. Returns System
11. Transfer System
12. Loans System
13. Cataloguing System
14. Search System

4.3 Library services:

	Existing		Newly Added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	95306	23339244	9762	5312630	105068	28651874
Reference Books	25782	9492267	1232	995078	27014	10487345
e-Books	137946	1,41,484	220	152045 (Renewal)	138166	152045 (Renewal)
Journals	335	14,17,981	175	812983 (New+Renewal)	510	812983 (New+Renewal)
e-Journals	15962	13,05,229	5497	257009 (New+Renewal)	21459	257009 (New+Renewal)
Digital Database	4	13,64,780	3	399664 (New+Renewal)	7	399664 (New+Renewal)
CD & Video	5986	24,000	1803	4000	7789	28000
Others (Specify)	DELNET, NPTEL - 128 Courses, INFLIBNET	1,16,500	DELNET, INFLIBNET (Renewal)	16500 (Renewal)	128	116500

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	2084	11	320 MBPS	Entire Campus and Hostels are Wifi Enabled	11	22	12	3
Added	0	0	230MBPS	Entire Campus and Hostels are Wifi Enabled	2	0	2	3
Total	2084	11	550MBPS	Entire Campus and Hostels are Wifi Enabled	13	22	14	6

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

1. Use of Internet
2. Hands on with Tools
3. Using ICT Gadgets
4. Hybrid Networking
5. E-learning
6. Using Computers for Automating

4.6 Amount spent on maintenance in lakhs :

i)   ICT   71.07

ii) Campus Infrastructure and facilities   208.59

iii) Equipments   17.10

iv) Others   274.84

Total :   571.63

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, Sports etc and to conduct periodical meetings to find 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 takes the inputs from the department level committees, analyse the issues and initiate the corrective steps as per the need.
3. An audit system is developed to audit the functioning of all the department level and central level committees and to initiate the corrective steps based on Non conferences.
4. An audit 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 conferences.
5. Recommended to form a separate cell for training the students exclusively for Competitive examinations like TOEFL, GRE, IELTS etc.

5.2 Efforts made by the institution for tracking the progression

1. University has established a separate cell named as "ALUMNI RELATIONS CELL" with a full time Director to the cell.
2. Through this Cell, efforts are continuously made for tracking the progression of the students in the categories of who have gone for higher studies as well as who have gone for job.
3. One major "SILVER JUBILEE" event is conducted every year for ALUMNI with which tracking the progression is taking place effectively.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
9448	769	415	0

(b) No. of students outside the state

979

(c) No. of international students

94

Men

No	%
7284	71.29

Women

No	%
2933	28.71

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
7261	231	34	1994	7	9527	7704	242	29	2231	11	10217

Demand ratio: 8.62   Dropout % : 1.60%

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

Student support mechanism for GATE includes:

1. Highly experienced faculty and master trainers in GATE coaching
2. Courses cover all basic fundamentals of technical subjects
3. Comprehensive and latest study material prepared by experts
4. Periodic tests on the latest pattern to enhance 'individual' learning
5. Guidance under top faculty directs the student in proper way to score high
6. High priority in individual attention for all students

Student support mechanism for GRE, TOEFL, IELTS include:

1. Highly qualified and experienced faculty
2. Exhaustive material, books, online resources etc.
3. Unlimited access to labs
4. Regular Mock Tests and Full Length Tests
5. Periodic evaluation and help with SOPs and LORs
6. Career guidance and admission guidance to universities in USA, Canada, UK, Australia etc.,
7. Personal attention to slow learners and students from the vernacular medium.

No. of students beneficiaries   904

5.5 No. of students qualified in these examinations

NET   0   SET/SLET   0   GATE   58   CAT   8

IAS/IPS etc   0   State PSC   4   UPSC   0   Others   626

5.6 Details of student counselling and career guidance

1.   Allocation of one Faculty member for every 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.

Career guidance to the students once in a month through career guidance cell.

No. of students benefitted | 10217

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
101	1114	1626	31

5.8 Details of gender sensitization programmes

All the programmes are common to both the genders. Women reservation is followed as per the norm during admission. To create a supportive and encouraging atmosphere for women faculty, staff and students, the following are implemented within the University:

The following processes that were adopted by the University in 2013-14 have been continued in 2014-15.

1. Establishment of Women Protection Cell (WPC).
2. Displaying special posters on women rights and privileges in corridors by Women Protection Cell (WPC), towards sensitizing male staff and students.
3. Maintain girl student strength to be at least 33%.
4. During the recruitment of the faculty and the staff gender balancing is done.
5. Provided a separate counselling service to the Girls through established women forum.

In addition, the following new processes have been adopted by the University in 2014-15.

1. Women's day celebrations for motivating women faculty and Girl students.
2. FEM FLARE for Girl students.
3. Ms. Hackers & Hack Camp.
4. Health awareness programme on obesity.
5. Role of women in science and technology – Essay writing competitions
   Awareness and charity programme for pregnant women in Govt. Hospitals by CAMS.

5.9 Students Activities

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

State/ University level | 60 | National level | 276 | International level | 3

No. of students participated in cultural events

State/ University level | 480 | National level | 62 | International level | 0 |

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

Sports : State/ University level | 12 | National level | 30 | International level | 3 |

Cultural: State/ University level | 22 | National level | 24 | International level | 0 |

5.10 Scholarships and Financial Support

Type of financial support	Number of students	Amount (Rs)
Financial support from institution	8030	259016850/-
Financial support from government	17	1244600/-
Financial support from other sources	2	24500/-
Number of students who received International/ National recognitions	2	0

5.11   Student organised / initiatives

Fairs   : State/ University level | 64 | National level | 4 | International level | 0 |

Exhibition: State/ University level | 25 | National level | 0 | International level | 0 |

5.12   No. of social initiatives undertaken by the students | 50 |

5.13 Major grievances of students (if any) redressed: _____-_____

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. Yes. University has an excellent Management Information system. All the departments and cells prepare the monthly reports basing on various activities organized by them and the report goes to the Management for information.
2. IQAC sends periodically its audit reports covering compliance of various activities to the management for information.
3. An effective ERP (Automation System) is existing through which information from various sources of the University reaches the Management.

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

6.3.1   Curriculum Development

The following processes that were adopted by the University in 2013-14 have been continued in 2014-15.

1. Feedback on curriculum is taken from various stake holders including parents, alumni, industry, academic peers and various students.
2. 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.
3. 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.
4. After getting the approval of the Academic Council, the syllabus is released for implementation.

6.3.2 Teaching and Learning

The following processes that were adopted by the University in 2013-14 have been continued in 2014-15.

1. Ensuring highly Qualified and experienced faculty are recruited and retained.
2. Encouraging the faculty to upgrade their knowledge by deputing them to participate in workshops, conferences, seminars, industrial training etc.
3. Conducting number of training programs for the faculty through self financed "Academic Staff College" of the University for enhancing the skills of faculty.
4. Upgrading the laboratories with the latest equipment for ensuring the effective exposure of students and faculty.
5. Establishing industry oriented special laboratories.
6. Lesson plan preparation for uniform coverage of syllabus.
7. Appointment of Course coordinators to ensure Uniform course delivery.
8. Updating the e-learning sites with the presentations by the faculty which are accessible to the students online.
9. Effective usage of simulation tools by the students.
10. Training the students in using several tools on their own Laptops.
11. Offering number of Academic flexibilities to the students.
12. Effective academics counselling mechanism for counselling the students.
13. Identifying the slow learners and advising them during the process of course selection.
14. Student centric initiatives in the class rooms activities.
15. Inculcating self and active learning in students through assignments and tutorials.
16. Monitored internship program through PRACTICE SCHOOL. (Training in industry)
17. Term papers, Mini projects for effective application of concepts.
18. Delivery of few courses by foreign faculty.
19. ICT enabled class rooms.
20. Exposing the students to "All India Virtual Class Room" initiated by MHRD.
21. Conduct of Subject based seminars.
22. Conduct of Subject based Workshops.
23. Organising Guest Lectures by renowned academicians and industrial experts.
24. Conduct of industrial skills focussed Certificate Courses.
25. Implementation of "Project based Laboratories" with which a project is developed in each and every core laboratory by the students individually.

In addition, the following new processes have been adopted by the University in 2014-15.

1. Implementation of "Lab taken to the Class room" with which effective understanding and application is ensured.

6.3.3 Examination and Evaluation

The following processes that were adopted by the University in 2013-14 have been continued in 2014-15.

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. Hybrid system of Absolute and Relative grading is incorporated.
4. Elimination of evaluation party by making single faculty to correct the answer of all the students for the same question.
5. Ensuring the declaration of results with in 2 to 3 weeks time.
6. Conduct of summer term courses for detained students and also for the students who wants to improve their grading.

6.3.4 Research and Development

The following processes that were adopted by the University in 2013-14 have been continued in 2014-15.

1. Grouping of faculty in to various "Research Groups".
2. Involving students also along with the faculty in various research groups.
3. Enabling the Academic departments to apply for "Funding Projects" to various funding agencies including for FIST sponsored funding of DST.
4. Enabling the faculty to apply for the prestigious "UGC Research Awards".
5. Enabling the faculty to give high quality projects to the students from the research areas.
6. Enabling the faculty to publish their research fundings in high impact factor journals including SCOPUS indexed journals.
7. Enabling the students to convert their project outcomes in to paper publications.
8. Enabling the library to subscribe for number of standard National and International journals.
9. Enabling the library to enhance the e-resources facilities.
10. Enabling the faculty to registrar for Ph.D if they were not registered earlier.
11. Enabling the faculty to apply for "in house research funding".

6.3.5 Library, ICT and physical infrastructure / instrumentation

The following processes that were adopted by the University in 2013-14 have been continued in 2014-15.

1. Library Committee is created / constituted in all the academic departments in which some students are also members.

2. Central level Library Advisory Committee is constituted in which outside experts are also members.
3. Departments send the requirement to the central library for procurement well before the commencement of the semester.
4. 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.
5. Usage of digital library effectively.
6. Working of the library beyond the working hours and also on holidays.
7. Maintaining an effective "Repository" system.
8. Subscribing for standard National and International Journals.
9. Operating department libraries. Over and above the Central library.
10. Fully automated system in operation.
11. "ET facilities and Animation" department procures and maintains all the ICT enabled. Teaching aids in classrooms, conference halls etc.
12. All the classrooms are ICT enabled class rooms.
13. Video conferencing facility is made available.

6.3.6   Human Resource Management

The following processes that were adopted by the University in 2013-14 have been continued in 2014-15.

1. Recruiting qualified and experienced faculty by properly constituted selection committees.
2. Maintaining the faculty student ratio as per the applicable norms.
3. Deputing the faculty for conferences, workshop for up-gradation of knowledge.
4. Welfare schemes for faculty and staff.

 6.3.7.Faculty and Staff recruitment

The following processes that were adopted by the University in 2013-14 have been continued in 2014-15.

1. Faculty with higher qualification are only considered for recruitment. (M. Tech. is minimum in case of engineering, Ph. D in case of Management and Humanities).
2. Faculty with considerable experience only are considered for recruitment.
3. Faculty with Research potential and industrial experience are given preference.
4. Constituted Committee for each department conducts the recruitment process effectively by conducting written test, followed by interview in different phases which ensures 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

The following processes that were adopted by the University in 2013-14 have been continued in 2014-15.

1. Industrial visits are organized for students.
2. Students are sent for one month internship to various reputed industries after the 2nd year engineering.
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. Industrial experts suggestions are taken in the process of developing curriculum.
8. Certificate courses are conducted which are in accordance with the needs of the industry and for enhancing the related skills of the students.
9. Campus placements in various reputed companies are provided to all the eligible students.
10. M.O.Us are signed with industries for implementing various activities.

In addition, the following new processes have been adopted by the University in 2014-15.

Started new Management program in tie-up with TIMES-PRO

6.3.9 Admission of Students

The following processes that were adopted by the University in 2013-14 have been continued in 2014-15.

1. An all India basis entrance examination is conducted by the University in various states of the country for admitting the students.
2. Academic percentage (10+2 level) is also given due weight-age 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 extra curricular 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
Non teaching	Med claim
	Gratuity
	Fee Concessions to the Children of Employees
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 | 10,00,00,000/-(Rupees Ten Crores Only)

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	✓	Director IQAC
Administrative	✓	ISO	✓	Director IQAC

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. Revaluation of Every Answer booklet is verified and approved before release of revaluating grades.
2. Auditing of entire question bank and random evaluated answer booklets by the team of experts.
3. Rubrics were introduced in all evaluations such as Lab, Seminar, Term paper, Project, 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

> . On 3rd & 4th October 2015 Alumni Silver Jubilee Celebrations for 1986-90 Batch.

6.12 Activities and support from the Parent – Teacher Association

The following processes that were adopted by the University in 2013-14 have been continued in 2014-15.

1. At the time of admission, Parents are explained about all the activities of the University with which student effectively progress 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 interacts 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 is taken by the department on various aspects, analysed and necessary steps are initiated.

6.13 Development programmes for support staff

The following processes that were adopted by the University in 2013-14 have been continued in 2014-15.

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

In addition, the following new processes have been adopted by the University in 2014-15.
1. MS office workshop was conducted for Supporting Staff.

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

The following processes that were adopted by the University in 2013-14 have been continued in 2014-15.

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.
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.

In addition, the following new processes have been adopted by the University in 2014-15.

1. Renewable energy sources such as Solar Panels 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.
2. Eco friendly paints, glass, tiles, bricks may be used.

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.

Numbers of innovations have been introduced during the academic years which have created a positive impact on the functioning of the University. A few of them are as follows:

The following processes that were adopted by the University in 2013-14 have been continued in 2014-15.

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. The course coordinator system for multi sections has resulted in to 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, Subject based workshops have helped the faculty and students to enhance their core technical skills.
5. Course delivery by Foreign faculty has helped the students to have the 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. Guest lectures, Industrial visits, Industrial training and Practice school have enhanced the student exposure to various industrial processes.
11. Organizing International Conferences by the departments has helped the faculty and students to have exposure in latest focused areas of research.
12. 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 focuses areas has helped the faculty to do quality research in terms of sponsored projects and in publishing papers in indexed journals.

In addition, the following new processes have been adopted by the University in 2014-15

1. Concept of LAB TAKEN TO CLASS ROOM has helped the students to understand the concepts very effectively in the class.
2. 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 implementations.
2.	Allocating the Course coordinators for multi section courses.	Course coordinators are allocated for multi 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 class room.	Implemented the concept of lab taken to class room for all the core courses.
7.	Delivering a part of course by foreign faculty.	Few 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. Operating Research Groups as per focussed areas of research
2. Research based UG / PG projects.

Provide the details in annexure (annexure need to be numbered as i, ii,iii)

7.4 Contribution to environmental awareness / protection

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

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 weakness.

- 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.

8. **Plans of institution for next year**

- To conduct international conference in department of English and Bio-Technology.
- To apply and to aim for FIST funding from DST for few departments.
- To apply and aim for few faculty research awards.

Name _____   *Name _____*

_____   _____

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

_____***_____

Academic calendar for the Year 2014-15
Academic calendar related to B. tech programs

Orientation classes	**10th to 15th July 2014**
Registration	**16th July 2014**
Commencement of class work	**16th July 2014**
Test-1	**9th to 12th August, 2014**
Test-2	**6th to 9th December , 2014**
Technical Festival	**4th week of September, 2014**
Test-3	**11th to 14th of October, 2014**
Test-4	**13th to 15th November, 2014**
Internal Lab Exam Week (During Lab hours)	**2nd week of November, 2014**
Last instruction day	**15th November, 2014**
Preparation Holidays	**16th to 19th November, 2014**
End Semester Lab Exams	**20th to 22nd November, 2014**
End Semester Exams	**24th November to 6th December, 2014**

Even Semester	
Registration	**15th December 2014**
Commencement of class work	**11th December 2014**
Test-1	**10th to 13th January 2015**
Test-2	**14th to 18th February 2015**
Cultural Festival	**4th week of February 2015**
Test-3	**14th to 17th March 2015**
Test-4	**23rd to 25th April 2015**
Internal Lab Exam Week (During Lab hours)	**3rd week of April 2015**
Last Instruction day	**25th April 2015**
Preparation Holidays	**26th to 29th April 2015**
End Semester Lab Exams	**30th April to 2nd May 2015**
End Semester Exams	**18th May 2015**

Analysis of feedback on the curriculum by stakeholders

Feedback from different stake holders has been collected in respect of the curriculum offered for the academic year 2014-15.

Following are the details of the feedback Taken from the stake holders before the commencement of the academic year 2014-15

Serial Number	Type of Stakeholder	Number of feedbacks
1	Students	445
2	Parents	160
3	Alumni	69
4	Faculty	112
5	Academic peers	51
6	Industry persons	40
	Total	877

The feedback from the stakeholders is taken by each of the departments and the same is discussed in the BOS of respective departments. The changes that have to be made into the curriculum have been noted and the same are affected and submitted to the Academic council for its approval. The changes approved by the academic council are then effected into the curriculum and the same are hosted on the WEB.

The recommendations of the stakeholders mostly directed to the programs offered by the departments and therefore largely varied. Comprehensive changes effected in the curriculum due to stakeholder's feedback are detailed below:

Serial Number	Changes made in the curriculum
1.	Few new courses are added
2.	Syllabi of some subjects has been changed considering the recommendations of the stakeholders
3.	Titles of some of the courses have been changed
4.	LAB Components added for certain identified subjects
5.	Changed the LTP structures of some courses due to change in the weightages assigned to various components of the courses
6.	Introduction to new specialisation streams
7.	Addition of more courses as open electives based on the present day context
8.	Restructuring of existing elective Strems
9.	Moderation of syllabi of some courses has been undertaken fitting into the time frame
10.	Syllabus for some courses has been changed to accommodate the syllabi affixed for GATE, NET, SLET etc.
11.	Syllabi of some courses has been changed to accommodate for some lattest advancements in the discipline concerned

Serial Number	Changes made in the curriculum
12.	Syllabi of some subjects has been changed to bring in Application orientation
13.	Few of the courses have been merged into a single course so as to accommodate more core courses
14.	More grades are allocated to the courses which have more coverage and also Industry focussed
15.	Some courses are dropped and the same are replaced with similar scope(C++ with Java)
16.	New courses which are Industry focussed and recommended by Industry
17.	Certain courses have been dropped due to existence of cross coverage
18.	Scope of Some courses has been enhanced through allocation of more number of contact hours
19.	Syllabus of some courses have been changed to accommodate industry requirements
20.	Modified and included into PEPs. POs, PSOs etc.
21.	More sectoral specialisations have been included into Management courses

Best Practice - Operating Research Groups as per focussed areas of research

1	Title of the Practice	Operating Research Groups
2	Objectives of the practice	1. To conduct focussed research by a group of Faculty, Students and scholars 2. To facilitated conducing of research based projects at undergraduate and post graduate students 3. To deliberate on latest focussed research areas and fix directions of future research
3	The Context	Two minds are better than one. Research world over is conducted in groups so that all dimensions of the research can be thoroughly investigated. Shared effort in research yields quick and great results. The research LABS can be developed around focussed research investigated by a Group concentrating in the same area,
4	The practice	**Practice** The focussed areas of the research, conferences and Journals are shortlisted. Each group is assigned with one or more focussed area of research. Specific National and International conferences and Journals are identified with each of the group. The Groups are encouraged to pursue patents in the focussed areas of the research The students and the scholars are assigned with research based topics for undertaking either term papers or project related courses Limitations/ Constraints Continuity of the students and scholars as they move out when they get graduated.
5	Evidence of the success	1. The number of publications in the SCOPUS indexed Journals have increased extensively. 2. Many publications have been registered in the name of UG and PG students

Best Practice – Research based UG-+PG projects

1	Title of the Practice	Research based UG+PG projects
2	Objectives of the practice	1. To inculcate research both in undergraduate and post graduate programs. 2. To make the students focussed on latest trends in technological advancements
3	The Context	It has been noted that Industry most of the times are looking to develop expertise of their employees considering the latest technologies. Most reputed Universities are admitting the under graduates who have research exposure exhibited through publications and inventions The students can better be involved in research through core courses
4	The practice	**Practice** All the students are admitted as members of research groups The students are offered two courses as a part of curriculum which include a term paper and a project The students are allowed to select an area for undergoing the term paper and project related courses based on the group into which the student is registered. A faculty is assigned to the student who is also a member of the same research group. The students and faculty together investigate the problem, conducts literature survey, does experimentation and publishes a paper in SCOPUS indexed journals Limitations/ Constraints Some low CGPA students requires personalised guidance
5	Evidence of the success	80% of the projects have lead to publication of SCOPUS indexed papers