QUALITY ASSURANCE REPORT

Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

ACADEMIC YEAR: 2017-18

Submitted by

The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. *(Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)*

Part – A

AQAR for the year *(for example 2013-14)* | 2017-2018

1. Details of the Institution

1.1 Name of the Institution   **LORDS INSTITUTE OF TECHNOLOGY & ENGINEERING**

1.2 Address Line 1   Sy.No:32, Near TSPA

Address Line 2   Himayatsagar

City/Town   Hyderabad

State   Telangana

Pin Code   500091

Institution e-mail address   principal@lords.ac.in

Contact Nos.   8008885731

Name of the Head of the Institution: Dr.Altaf Hussain

Tel. No. with STD Code:	6309012446

Mobile:	9440425786

Name of the IQAC Co-ordinator:	Dr.Rajasree Rao

Mobile:	9866153686

IQAC e-mail address:	iqac@lords.ac.in

1.3 **NAAC Track ID** *(For ex. MHCOGN 18879)* | TSCOGN 80722 |
| --- |

OR

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/12/A&A/391 Dated: 19.02.2016

1.5 Website address:

www.lords.ac.in

Web-link of the AQAR:

https://www.lords.ac.in/NAAC/AQAR_2017_18.pdf

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	A	3.02	2016	19/2/2016 to 19/02/2021
2	2nd Cycle	-	-	-	-
3	3rd Cycle	-	-	-	-
4	4th Cycle	-	-	-	-

1.7 Date of Establishment of IQAC: DD/MM/YYYY | 01.08.2014 |
| --- |

1.8 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 2016-17 Submit to NAAC on <u>04.12.2017</u>

1.9 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	☐			

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 ✓

1.10 Type of Faculty/Programme

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

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

    Others (Specify)   -

1.11 Name of the Affiliating University *(for the Colleges)*

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

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

Autonomy by State/Central Govt. / University | - |

University with Potential for Excellence | - | UGC-CPE | - |

DST Star Scheme | - | UGC-CE | - |

UGC-Special Assistance Programme | - | DST-FIST | - |

UGC-Innovative PG programmes | - | any other (*Specify*) | - |

UGC-COP Programmes | - |

2. IQAC Composition and Activities

2.1 No. of Teachers | 08 |

2.2 No. of Administrative/Technical staff | 01 |

2.3 No. of students | 01 |

2.4 No. of Management representatives | 01 |

2.5 No. of Alumni | 01 |

2. 6   No. of any other stakeholder and

Community representatives | 01 |

2.7 No. of Employers/ Industrialists | 01 |

2.8 No. of other External Experts | 01 |

2.9 Total No. of members | 15 |

2.10 No. of IQAC meetings held : | 4 |

2.11 No. of meetings with various stakeholders: No. 19 Faculty 10

Non-Teaching Staff 4 Students 4 Alumni 1 Others --

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. 13 International - National - State - Institution Level 13

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

S. No	Activity	Date	No of Beneficiaries
1	Regular meetings of Internal Quality Assurance Cell (IQAC)	Quarterly	All stakeholders
2	National Workshop on "Intellectual Property Rights	16/02/2018	160
3	National Workshop on "Gender Equity & Gender Sensitization"	10/10/2017	152
4	Orientation of faculty members/administrative staff regarding Revised Accreditation Framework of NAAC Conducted by IQAC Coordinator and Criteria Heads	24/07/2017	105
5	Collection, analysis of Feedback from all stakeholders and action taken for improvement	24/02/2018	All stakeholders

6	Constant encouragement and inspiration by the IQAC to promote research aptitude and research ethics among faculty members & students	Through-out the year	All staff and students
7	Workshop on 'Teaching Learning Process'	25/7/2017	All staffs

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	Achievements
To provide an orientation programme to the students.	Orientation programme was conducted in the beginning of the year and students were briefed about the various activities and facilities of the college
To organize lectures by eminent resource persons.	A number of eminent persons were invited to deliver lecture on recent trends in their fields
Continuous and comprehensive evaluation of students by conducting tests, assignments, seminars, skill development activities etc. Regular and periodic tests and assignments w	Regular and periodic tests and assignments were conducted and internal assessment marks were recorded.
To purchase more books and journals	Books in all streams were purchased and more National and International journals were prescribed.
Arrangement for industrial tours	All students were taken for industrial visit to give them awareness about the industrial demands.
Introduction of Mentor System	Mentor system is introduced for all the classes to help and assist the students to set their academic targets
Conduct of sports meet	Sports meet was arranged.

Academic Calendar is given in Annexure – I.

2.16 Whether the AQAR was placed in statutory body   Yes [✓]   No [ ]

Management [ ]   Syndicate [ ]   Any other body [✓]

Provide the details of the action taken

Key quality parameters were identified & process will be followed for 2018-19 and the report will be presented to statutory bodies.

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	0	0	0	0
PG	12	0	12	0
UG	6	0	6	0
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	18	0	18	0

Interdisciplinary	0	0	0	0
Innovative	0	0	0	0

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

Pattern	Number of programmes
Semester	18
Trimester	0
Annual	0

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

      Mode of feedback   :   Online ✔ Manual ✔ Co-operating schools (for PEI) ☐

*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.

> Yes,   PG Program Syllabus is revised in 2017-18

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

> No

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
271	209	33	29	-

2.2 No. of permanent faculty with Ph.D.

36

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
53	-	5	-	4	-	-	-	62	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

-		-		-

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	0	80	0
Presented papers	26	0	0
Resource Persons	0	0	0

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

1. Use of ICT and modern pedagogical techniques.
2. Arranging Guest lectures on advanced topics by the Eminent Academicians and industry experts.
3. A good number of video lessons (NPTEL) are available and they are being used for the better understanding of the subjects.
4. Teachers prepared lecture materials incorporating the audio visual methods. Many such lecture outlines are also given to the students as reading materials and LCDs are used in all the courses for teaching.
5. HOD periodically monitored lesson plans and suggest corrective measures for deviations if any.

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)

Bar Coding, Double Valuation, Objective Type Questions, Class Tests. Mid Exams

2.9 No. of faculty members involved in curriculum restructuring /

NA		

revision/ syllabus development as member of Board of Study / Faculty/ Curriculum Development workshop

2.10 Average percentage of attendance of students

| 83.36 |

2.11 Course/Programme wise distribution of pass percentage:

a) B.Tech Programs :

Title of the Programme	Total No. of students appeared	Total No. of students passed
B.Tech in CIVIL	164	118
B.Tech in EEE	24	16
B.Tech in MECH	145	94
B.Tech in ECE	55	34
B.Tech in CSE	90	63
B.Tech in PETROLEUM	63	40

b) M.Tech Programs :

Title of the Programme	Total No. of students appeared	Total No. of students passed
M.TECH - STRUCTURAL ENGINEERING	38	24

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

The IQAC of the College

1. Monitor syllabus coverage as per the lecture schedules and number of periods engaged.
2. Monitor number of experiments prescribed and conducted in each laboratory and the experiments beyond the syllabus.
3. Arrange Guest lecturers/Seminars
4. Identifies the new methods of teaching adopted by the faculty and shares the same among the faculty
5. Creates policies and procedures to enhance the teaching and learning
6. Pre-placement training provided.
7. Does continuous assessment of students through examination results, curricular and co-curricular activities
8. Collects course files randomly and assesses the process followed and the attainment of Course Outcomes

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	11
UGC – Faculty Improvement Programme	0
HRD programmes	0
Orientation programmes	0
Faculty exchange programme	0
Staff training conducted by the University	0
Staff training conducted by other institutions	0
Summer / Winter schools, Workshops, etc.	11
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	54	0	7	-
Technical Staff	34	0	2	-

Criterion – III
3. Research, Consultancy and Extension

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

The following initiatives are suggested by the IQAC to sensitize / promote research climate in the institution.

i) Autonomy to the principal investigator

When a research project is sanctioned by organisation, full support is provided to the Principal investigator to implement the research scheme within the time frame and Prof. Azam Pasha Quadri has been assigned with the responsibilities of coordinating with the senior faculty of the Institute to promote research, consultancy and high end training.

ii) Timely availability or release of resources

The Management of LIET provides the Necessary funds for developing the research activities in the campus. Funds are invested to improve latest equipment, research journals in Library etc.

iii) Adequate infrastructure and human resources

The College Central library provides online national and international journals, reference books, hand books, and material related to research activity. College recruited faculty with Ph.D. degree who are competent enough to take up and guide research projects. Different departments have established research labs with necessary software to carryout research projects.

iv) Time-off, reduced teaching load, special leave etc. to teachers

Work load is reduced for the faculty involved in research and development or consultancy. Cash awards are introduced to faculty publishing papers in international journals. On duty facility is extended to the staff visiting other organizations for promotion of R&D and consultancy and work for the research projects.

v) Support in terms of technology and information needs

Within the campus Wi-Fi hotspot internet, advanced hardware and softwares are available for the purpose of R&D. One staff member from each department is nominated to the R & D committee to promote research process internally. The research journals, both hard copy and online are available in the central library and department library.

vi) Facilitate timely auditing and submission of utilization certificate to the funding authorities

At ending stage of a project, the college arranges for auditing; guides the investigators in obtaining the utilization certificate for submitting to the funding agency. The chairperson carries out audit of consultancy works undertaken by various departments in respect of all grants received from outside agencies.

vii) Any other

To enhance and inherit research culture within the campus, the institute invites young scientists and researchers from reputed institutes.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	5	-	-	-
Outlay in Rs. Lakhs	2.35	-	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	-	-
Outlay in Rs. Lakhs	-	-	-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	71	0	0
Non-Peer Review Journals	0	0	0
e-Journals	0	0	0
Conference proceedings	1	0	0

3.5 Details on Impact factor of publications:

Range [ ]   Average [ ]   h-index [-]   Nos. in SCOPUS [ ]

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	Received
Major projects	0.75	Coherent infrastructure solutions Pvt. Limited	1.4	1.4
	0.5	Coherent infrastructure solutions Pvt. Limited	0.3	1.2
	0.75	RV Engineers	0.25	0.75
	0.5	Yucan Technologies	0.2	0.85
	0.5	RV Engineers	0.2	0.9
Minor Projects	-	-	-	-
Interdisciplinary Projects	1	M/s Aurobindo	3.8	3.8

		Pharma LTD		
	3	Pentagon Rugged Systems India Pvt. Ltd.	2.45	2.45
Industry sponsored	0.5	TMR Consultancy Pvt Ltd.	0.63	0.63
Projects sponsored by the University/ College	-	-	-	-
Students research projects *(other than compulsory by the University)*	-	-	-	-
Any other(Specify)	0.075	MANUU	1.75	1.75
Total			9.98	9.98

3.7 _No. of books published_ i) With ISBN No. [0] Chapters in Edited Books [0]

   ii) Without ISBN No. [0]

3.8 _No. of University Departments receiving funds from_

UGC-SAP [-]   CAS [-]   DST-FIST [-]

DPE [-]   DBT Scheme/funds [-]

3.9 _For colleges_   Autonomy [-]   CPE [-]   DBT Star Scheme [-]

INSPIRE [-]   CE [-]   Any Other (specify) [-]

3.10 _Revenue generated through consultancy_ [ ]

3.11 _No. of conferences organized by the Institution_

Level	International	National	State	University	College
Number	-	-	-	-	-
Sponsoring agencies	-	-	-	-	-

3.12 _No. of faculty served as experts, chairpersons or resource persons_ [6]

3.13 _No. of collaborations_   International [-]   National [-]   Any other [-]

3.14 _No. of linkages created during this year_ [-]

3.15 Total budget for research for current year in lakhs:

From funding agency | - | From Management of University/College | - |

Total | - |

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	-
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

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
-	-	-	-	-	-	-

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them | 02 | | 04 |

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

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

JRF | - | SRF | - | Project Fellows | - | Any other | - |

3.21 No. of students Participated in NSS events:

University level | | State level | 2900 |

National level | | International level | - |

3.22 No. of students participated in NCC events:

University level | - | State level | - |

National level | - | International level | - |

3.23 No. of Awards won in NSS:

University level | - | State level | 6 |

National level | - | International level | - |

3.24 No. of Awards won in NCC:

University level	-	State level	-
National level	-	International level	-

3.25 No. of Extension activities organized

University forum	-	College forum	-		
NCC	-	NSS	15	Any other	-

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

Organized and Participated in

1. Cancer Awareness Program
2. Seminars on Gender Sensitization
3. Swachh Bharath
4. Lecture on health awareness for Villagers
5. Mid-day Meals Programme in Schools
6. Cancer Awareness Program
7. Blood Donation Participation
8. Workshop on Preventive health management
9. GULISTAAN - Thinking Green
10. Lecture and Seminar on Environment for School Children
11. Swachh Bharat
12. Anti-Ragging Awareness Program
13. Campus clean and green
14. Free Health Check-Up Camp
15. Yoga for Youth

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	10.02 Acres	-	-	10.02 Acres
Class rooms	59	-	LORDS EDUCATIONAL SOCIETY	59
Laboratories	72	-	LORDS EDUCATIONAL SOCIETY	72
Seminar Halls	3	-	LORDS EDUCATIONAL SOCIETY	3
No. of important equipments purchased (≥ 1-0 lakh) during the current year.			College/AICTE	
Value of the equipment purchased during the year (Rs. in Lakhs)			College/AICTE	
Others (Rs. in Lakhs)			College/AICTE	

4.2 Computerization of administration and library

- ➢ Library administration is fully computerized
- ➢ Implemented bar coding system.
- ➢ Computerization for search, indexing, issue/return records
- ➢ Digital Library
- ➢ Wi-Fi facility for the Library.

Library:
- The entire library is automated with NewGenLib software using computer systems.
- The library is a member of DELNET and provides web access to 2,92,70,150 Records of books, Periodicals, Theses, Dissertations.
- The following features can be accessed from any terminal within the campus
    - ➢ availability of books by subject wise / author wise
    - ➢ account information like books taken and due date to return
    - ➢ fine amount to be paid for books not returned
    - ➢ access to the e-journals/NPTEL video lectures

4.3 Library services:

	Existing		New Added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	24302	4026040	806	308392	25108	4334432
Reference Books	8736	1512239	268	102673	9004	1614912
E - Books	832	0	132	0	964	0
Journals	412	780252	123	206373	535	986625
E - Journals	10255	379800	812	141600	11067	521400
Digital Database	0	44500	1	13570	1	58070
CD & Video	832	0	183	0	1015	0
Library Automation	1	0	0	0	1	0
Weeding(Hard & Soft copy)	0	0	0	0	0	0

Year Wise Titles & Volumes Added			
Academic Year	No of Titles added	No of New Editions Added	No of New Volumes added
2017-18	268	154	806

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	920	17	110 Mbps	-	2	1	7	-
Added	-	-	-	-	-	-	-	-
Total	920	17	110 Mbps	-	2	1	7	-

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

No. of Computers procured for technology up-gradation :

Internet Access   :

Training programmes on technology up-gradation :

i)   Faculty   :

ii)   Students   :

4.6 Amount spent on maintenance in lakhs:

i)   ICT

ii) Campus Infrastructure and facilities

iii) Equipments

iv) Others

Total :

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

➢ The IQAC has been enhancing awareness through various meetings and circulars about student support services.
➢ The students are thoroughly aware of available services for them like Canteen, Library, Hostels, Games and Sports, Transportation, Health care, Computing, NSS, etc. and they are actively participating and using all such services.
➢ Students are trained by CRT programs for increasing the chances of employability and by IIIC/ED cell programs for improving their entrepreneur skills.

5.2 Efforts made by the institution for tracking the progression

 Students progression during the semester is monitored through:
➢ Day to day attendance in theory & lab classes and intimation to the parents
➢ Performance of the students in each internal examinations

Progress semester after semester is monitored through:
➢ The performance of the students in the end semester examinations
➢ Participation in Co curricular and Extracurricular activities

5.3 (a) Total Number of students

Academic Year	UG	PG	Ph. D.	Diploma
2017-18	2947	87	-	-

(b) No. of students outside the state

305

(c) No. of international students

212

Men	No	%	Women	No	%
	2839	93.5		195	6.42

Last Year				This Year			
General	Others	Physically Challenged	Total	General	Others	Physically Challenged	Total
-	3032	-	3032	-	3034	-	3034

Demand ratio : 0.61   Dropout %   : 0

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

College provides infrastructural facilities to organize coaching classes for competitive examinations. Study material related to GATE and other competitive examinations is available in the college central library.

No of Students Benefited: around 60%

5.5 No. of students qualified in these examinations

NET: SET/SLET: GATE: CAT:

IAS/IPS etc: State PSC: UPSC: Others:

Academic Year	NET	SET/ SLET	GATE	CAT	IAS/IPS etc	State PSC	UPSC	Others
2017-18	-	-	-	-	-	-	-	-

5.6   Details of student counselling and career guidance

➢ Orientation program for first year students.

➢ Parent teacher activity- To monitor student's attendance and academic records. Meetings are arranged with students to find out and solve their problems.

➢ Mentoring and counseling process is followed continuously. This process has successfully resulted in improved student performance

➢ Training and Placement Cell conducted CRT classes for better employment of students
➢ Students are motivated to participate in various competitions conducted by different Universities and colleges. Guest lectures and field visits and workshops are conducted regularly.

No. of students benefited: around 90 %

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
43	229	72	157

5.8 Details of gender sensitization programmes

Women's day celebrations are conducted in the campus making all the girl students excel their talents in various events. Successful students are awarded with a certificate.

5.9 Students Activities

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

State/ University level: 30   National level: 03   International level: -

No. of students participated in cultural events

State/ University level: 21   National level: 41   International level: -

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

Sports: State/ University level: 4   National level: 3   International level: -

Cultural: State/ University level: 13   National level: 33   International level:-

5.10 Scholarships and Financial Support

	Number of Students	Amount
Financial support from institution		
Financial support from government		
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

5.11   Student organised / initiatives

Fairs   : State/ University level: 06   National level: Nil   International level: Nil

Exhibition: State/ University level: Nil   National level: Nil   International level: Nil

5.12   No. of social initiatives undertaken by the students: 15

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

Lords Institute of Engineering and Technology strives continuously for excellence in professional education through quality, innovation and teamwork and to emerge as a premier institute in the state and across the nation.

Mission

1. To impart quality professional education that meets the needs of present and emerging technological world.

2. To strive for student achievement and success, preparing them for life, career and leadership.

3. To provide a scholarly and vibrant learning environment that enables faculty, staff and students to achieve personal and professional growth.

4. To contribute to advancement of knowledge, in both fundamental and applied areas of engineering and technology.

5. To forge mutually beneficial relationships with government organizations, industries, society and the alumni.

6.2 Does the Institution has a management Information System

YES, Institute has its own MIS to manage general administration, examinations, student attendance and continuous evaluation process

6.3 Quality improvement strategies adopted by the institution in each of the following
6.3.1 Curriculum Development

- Receiving feedback from the employers and alumni on existing curriculum and improvement and innovation required.
- Academicians and Industrial persons from various reputed institutes/industries are invited to delivering lectures on gaps identified in the curriculum.
- Collecting information on latest technologies and forecasting the future needs of the industry

6.3.2 Teaching and Learning

The Planning and organisation of the teaching, learning and evaluation schedules for all courses in each discipline are done by the Academic Committee Consisting of the Principal, Deans and Heads of the Departments.

- ➤ **The Academic Calendar** is prepared before the commencement of academic year so that teachers and students have prior information about commencement of semester, number of working days, holidays and tentative dates for mid-semester and end-semester examinations. Departments will prepare their academic calendar and the HODs monitor the execution of the calendar which includes academic, co-curricular and extra-curricular activities.
- ➤ **Courses to be taught** the list of courses for the upcoming semester is prepared by the time table in-charge of the department. Course options are taken from the faculty members.
- ➤ **Course Allocation** Based on the course preference list, the Head of the Department finalises the course allocation to the faculty members. Faculty members prepare the lesion plan, assignment questions for their respective course
- ➤ .**Course Plan** The course plan is made clear and understandable and reflects what the faculty member is planning to do for the current semester course. All the faculty members of the department prepare their lesson plan for their respective courses.
- ➤ **Time Table** Time tale committee prepares the time table under the guidance of the time table coordinator.

6.3.3   Examination and Evaluation

Examinations are conducted an evaluated as per Jawaharlal Nehru Technological University, Hyderabad (JNTUH) norms
- ➤ Two internal assessment tests in each semester and one semester-end examination are in place to evaluate the students' performance and are conducted according to JNTUH guidelines.
- ➤ Continuous evaluation in laboratories is helping to enhance their practical knowledge through regular monitoring the progress.
- ➤ Extra lab exams are conducted to enhance subject knowledge and understanding.
- ➤ Projects are evaluated by a committee at the department level.

6.3.4   Research and Development

A Research and Development Cell has been constituted on 10-07-2014 to look after the research and development activity among and students in the Institution.
The Research Committee of the College engaged the following activities:
- ➤ Encourages and motivates the faculty to submit research project to various funding agencies.
- ➤ The committee also renders adequate help in the preparation of project proposals.
- ➤ The committee is involved in synchronizing and encouraging research activities carried out by the members of the faculty of various departments.
- ➤ The committee meets as and when needed to discuss on different research proposals and reviews the research proposals prepared by different faculty members before submitting to the funding agency.
- ➤ The committee reviews the progress of the work done by the faculty members periodically.

6.3.5   Library, ICT and physical infrastructure / instrumentation
Library
- ➤ Procuring the required prescribed and reference text books as suggested by the subject experts.
- ➤ Subscribing to e-journals of reputed publishers.
- ➤ Providing access to e-books and e-learning resources through digital library.
  - ➤ OPAC software for library management

ICT

- ➢ LCD projector and public address system in all the seminar halls and class rooms.
- ➢ Wi-Fi connectivity is provided in the campus
- ➢ NPTEL (National Programme on Technology Enhanced Learning – A joint venture of IITs and IISc) web courses and video courses are being used by staff and students to enhance their skills
- ➢ Requirements of the equipment/instruments from departments are met from time to time.

6.3.6 Human Resource Management

- ➢ Annual assessment of faculty is done through Faculty Self Appraisal Performa (SAP) for Professors, Associate Professors and Assistant Professors
- ➢ Induction training is conducted for new faculty members
- ➢ Support and guidance is given for carrying research activities, presenting papers in conferences and publishing papers in reputed journals
- ➢ Faculty are motivated to send research proposals to various funding agencies

6.3.7 Faculty and Staff recruitment

Whenever there are vacancies advertisements are made through news papers and the recruitment is done by the Management through college staff selection committee as per the rules and regulations.

Appointment Order shall be issued on production of Original Degree Certificates and relieving letter from previous employer in case of experienced candidates.

Ratification by the Affiliating University:

The faculty members whose joins the duties shall have to appear for University ratification, if required to meet the University norms for affiliation.

6.3.8 Industry Interaction / Collaboration

- ➢ Industry interaction activities like, Industrial visits, guest/expert lectures, internships, external funded projects are undertaken to bridge the gap between industry and academia.

- ➢ Various departments signed MOU's with the industries/companies for Internships and Placement of students.

6.3.9 Admission of Students

70% of the admissions are done by the Convener, EAMCET, Govt. of Telangana.
Remaining 30% of the seats are filled by the Management based on the guidelines given   by Govt. of Telangana.

6.4 Welfare schemes for staff and students:

Staff

Staff Members are eligible for the following incentives and rewards based on their performance, contribution and years of services at the Institution.

- ➢ For producing 100% results in a theory paper: Rs.1,000/- Cash Award.
- ➢ Department-wise yearly, Best Teach Award: Rs.2,000/- Cash Award and it is applicable to the faculty who completes one year of service in this Institute.
- ➢ Professional Society Life Membership Fee – will be paid by the management for Faculty Members with minimum three years of services in the Institution (Maximum one professional society per staff member).
- ➢ Paper Publication in National Conferences – 50% TA, 100% Registration Fee, on Duty and Rs.500/- Cash Reward.
- ➢ Paper Publication in International Conferences – 100% TA, 100% Registration Fee, On Duty and Rs.1000/- Cash Reward.
- ➢ For guiding a student paper that is adjudged as Best Paper/Poster (First Prize: Rs.2000/-, Second Prize Rs.1500/- and Third Prize: Rs.1000/-).
- ➢ Faculty members taking up Part-time Ph.D. – 100% Fees, 100% Salary against 5 Years Service Agreement on completion of degree.
- ➢ Supporting Staff members are offered free computer training. In addition, they can avail reimbursement of fees and on-duties towards higher education against service agreements.

Students

Offering scholarships by the College Management to poor & merit students to encourage them and to reduce their financial burden.

- ➢ Sponsoring gold medals to the toppers of all branches on the names of renowned (late) persons of the society to encourage competitive spirit among the students by Management.
- ➢ Dispensary in college campus to look after the medical needs.

6.5 Total corpus fund generated: Nil

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	Yes	JNTUH	Yes	IQAC
Administrative	Yes	JNTUH	Yes	IQAC

6.8   Does the University/ Autonomous College declare 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?

As per JNTUH Reforms

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

The affiliating university, JNTUH nominates the eminent personalities for the college Governing body, Academic Council and Board of Studies to design the curriculum and provide the suggestions to improve the quality of education in the college.

6.11 Activities and support from the Alumni Association

1. Alumni meets are organized yearly.
2. Every Alumni is encouraged to register in Alumni Association.
3. Opportunities are made available for our Pre-final year students to bond with Alumni with profession mindfulness program

6.12 Activities and support from the Parent – Teacher Association

➢ Parent teacher informal meetings are being conducted to identify the issues related to students.
➢   There is no formal parent teacher association, however, a feedback from parents is collected occasionally in the prescribed format, analyzed and used for further development.

6.13 Development programmes for support staff

Supporting staff are sponsored to attend continuous education programs and to improve their qualification.

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

a) Energy Conservation
     Energy saving techniques are implemented. The lights and fans are switched off when not required. Classrooms are constructed with sufficient cross ventilation and light so that the use of electricity is minimized. LED lamps are used in place of incandescent bulbs where ever possible.

b) Use of Renewable Energy
     The committee has taken up the following activities to reduce the use of conventional energy:

- To conduct energy audit for the whole college with the help of authorized agency. .
- To arrange a guest lecture on importance of renewable energy.
- To conduct paper presentation & poster presentation competition for EEE and ME students.

c)   Water Harvesting
     Water recharging pits are constructed at various locations:

d)   Efforts for Carbon neutrality
- The students and staff park their vehicles in the parking place provided by the college in

order to keep the college environment pollution free.

- Appropriate portions of food waste is sent to poultry/fisheries

e) Plantation/Greening Drives

- The institute has planted and maintained different varieties of flowering trees, ornamental trees and shrubs to keep the institute free from pollution.

- Care is taken for the surveillance of old and unhealthy trees. Depending on the tree conditions, appropriate risk mitigation measures (such as pruning, removal of wilted branch, treatment of pest and disease, and cabling and propping to support trees) are prescribed.

f) Hazardous Waste Management and e-Waste Management

The dust bins are kept at prominent places for throwing waste.

E-waste management: Electronic waste is returned to the vendors on a take back policy.

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.

The innovations created mainly to uplift standard in quality of education: -
- Mandatory Curriculum content analysis, lesson and session Plan for each courses by the teachers.
- Practise outcome based teaching methodologies.
- Stress on active, interactive and self learning.
- Model based and real-world problem based teaching.
- Encouraged the students to undergo internship during summer vacation.
- Motivated the faculty to apply for research grants from funding agencies.
- Subscribing to wide range of technical magazines, journals and proceedings and by having membership in DELNET and subscribing for all journals prescribed by AICTE for effective knowledge sharing.
- Equipped the class rooms with LCD etc.

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

IQAC planned the objectives for current year (2017-18) and its progress was monitored through action taken report monthly from all concerned persons. In its meeting these action taken reports were discussed and correction was done appropriately whenever it was required.

Activity Planned	Status of Activity / Action Taken
Academic Schedule	Implemented as per schedule
Course delivery	Completed as per the lecture schedule
Workshops/Guest lectures/Seminars/ Training programmes	Conducted as per the proposal
Sending applications for research funding	Proposals are submitted
Applying for NBA renewal for all eligible branches	In progress/ SAR reports prepared for submission

7.3 Give two Best Practices of the institution

Following are the innovative practices introduced during the previous years which have created a positive impact on the functioning of the college:
- Wi-Fi facility is arranged
- Guest lectures are arranged by Industry/Academia experts.
- Established a student clubs.
- Institute has established R&D
- Biometric attendance system for faculty.
- Mineral water plant

- English language lab with multimedia is made available for the students.
- Each department houses departmental library with books useful for research work.
- The faculty members are sent to seminars, conferences and workshops to learn cutting edge technologies.

- Adequate fire fighting equipment like fire extinguishers (CO_2, fog), and sand buckets.
- Mock Interviews and Group Discussions are conducted
- Cultural programs are conducted for developing theatrical skills
- In-plant Training and Industry Visits
- Problem-solving Contests
- Seminars and Debates.
- Personality Development Programs are conducted

Best Practice - 1: Study hours, Tutorial and Remedial System in the institution

Goal: To enable the high achievers to reach excellence and the slow learners to reach the minimum qualifying level.

The Process: In the college timings tutorial and remedial classes are conducted in order to improve the students at academics. Beyond the college timing library services to improve their pass percentage. Each department evaluates the marks secured by the students in the class tests and mid exams. According to these reports staff members concentrate on those students who are week at academics.

Evidence of Success: The pass percentage was 60 - 90%.

Resources required: Teachers to teach the students beyond the college timings for their improvement in the academics. Faculty members to clarify the doubts in the tutorial classes.

Best Practice - 2: Mentoring System for Students to overcome stress, personal-, domestic-, academic- difficulties

Goal: To minimize dropouts and give guide lines to students for their career plans and overcome their difficulties in learning the subject through personal counselling.

The process: The practice creates an efficient mentoring system. Each teacher is assigned 15-20 students. They meet at least once a week to discuss, clarify and primarily share various problems which may be personal, domestic, academic, etc. The teacher is equipped with all the necessary information about his/her wards in a file. The teacher involves local guardians and parents as well, whenever necessary.

Evidence of Success: It is needless to say that a mentor gets the job satisfaction. Evidence of success of the practice includes better results in the examinations, more regular attendance, increased participation in co-curricular activities, better discipline on campus and respectful relationship between teachers and students.

Resource required: This practice requires well-committed teaching staff who have the desire to help students

7.4 Contribution to environmental awareness / protection

The institute conducts green audit of the campus and facilities.

- All the vehicles are maintained in a good working condition to ensure minimal air

pollution.

- Greenery is grown in the entire campus to ensure pleasant environment
- The institute is moving towards a paper free communication system to minimize paper consumption.
- Cleanliness: all the class rooms, staff rooms, laboratories and rest rooms are maintained cleanly.

7.5 Whether environmental audit was conducted?   Yes ☐   No ☑

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

SWOC Analysis of Institute:

Strengths

1. Institute has well qualified and highly dedicated Teaching and Non-Teaching Staff.
2. Institute has well equipped infrastructure with wi-fi connectivity.
3. Teaching focused on employment and entrepreneurship development oriented.
4. Institute has excellent rapport with outside corporate world for technical and managerial support.

Weaknesses

1. Students from rural area. striving to meet national and global standards in technical education and facing language barriers.
2. Institute has to upgrade their teaching community for higher research skills and activities.

Opportunities

1. Institute is continuously organizing various development programs for the academic benefit of the teachers and students through seminars, workshops, conferences, symposiums and annual student meets.
2. Increasing demand for technical education at graduate and post graduate level in various sectors.

Challenges

1. Institute has competition from other technical and management educational institutes.
2. To produce more qualified and industry ready technicians and managers.
3. Being a private institute the turnout of the faculty is quite natural for their better professional and technical development.

8.   Plans of institution for next year

➢ Increasing the number of Professors and Associate Professors with doctorial degree by at least 15%.

- ➢ Undertaking funded R&D Major projects.

Name   *Name*

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

_____***_____

Annexure I

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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