SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

K.L.N.COLLEGE OF ENGINEERING

MADURAI-NEDUNKULAM ROAD POTTAPALAYAM-630612 SIVAGANGAI
DISTRICT
630612
www.klnce.edu

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

January 2018

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

K.L.N. College of Engineering (KLNCE) is the first self-financing Co-educational Engineering College in Sivagangai District, started in 1994 by Philanthropist and well-wishers in Hindu Sourashtra Linguistic minority Community of Tamilnadu. This college is sponsored by the K.L.N. Sourashtra college of Engineering Council registered under section 10 of Tamilnadu. Thiru K.L.N. Krishnan is the Founder President, and the college is now under the management of Dr. K.N.K. Ganesh as Secretary & Correspondent and other Executive Committee Members. Department of Higher Education, Government of Tamilnadu has approved Sourashtra Linguistic minority status in Tamilnadu to K.L.N. College of Engineering.

This college is situated on the South Eastern outskirts of Madurai, 11 Km on Madurai – Nedungulam Road, Pottapalayam-6301612, Sivagangai District, Tamilnadu. It is built in an extensive land area of 53.8 acres. The Campus has multi-storeyed buildings consisting of well provided class rooms, drawing halls, seminar halls, laboratories, workshops, library, Computer centres, staff rooms student rest rooms, indoor staduium, hostel with build-up area of 50,200 Square meter.

Vision

To become a Premier Institute of National Repute by Providing Quality Education, Successful Graduation, Potential Employability and Advanced Research & Development through Academic Excellence

Mission

To Develop and Make Students Competent Professional in the Dynamic Environment in the field of Engineering, Technology and Management by emphasizing Research, Social Concern and Ethical Values through Quality Education

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- **Excellent Infrastructure**
- **Better organization with various academic and administrative committees**
- **Enough power backup with generators**
- **Better Internet facility**
- **Good Transport facility**
- **Curricular and Extracurricular activities adequate**
- **Medical facilities available**
- **Effective feedback analysis**
- **Alumni association and its deliberations are recovered**

Institutional Weakness

- Learning beyond syllabus needs improvement
- Professional society activities
- Motivation to students for higher studies
- Students participation in events in other states and countries.
- Entrepreneurship promotional activities.

Institutional Opportunity

- To emerge as a role model in the field of engineering education adapting towards overall development of the college
- Providing opportunity to students for better placement.
- Facility of incubation center
- Explore alumni involvement in academic and placement activities.

Institutional Challenge

- Anna university syllabus does not match all the POs and there is a gap in curriculum and syllabus.
- Appealing research grants from funding agencies
- Improving consultancy

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

K.L.N. College of Engineering is affiliated to Anna University, Chennai **conducting the courses under** the Regulations framed by Syllabus committee, Board of Studies of Anna University, Chennai. The institution contributes to the development of the curriculum by communicating the stakeholders' suggestions to the University through the faculty members in the Academic Council and in the Board of Studies of Anna University, Chennai. The institution has deployed various mechanisms to ensure effective curriculum delivery and assessment process.

In order to bridge the gap between the University prescribed syllabus and the industry expectations, skill development courses are offered to the students to boost their level of employability and research capabilities. By signing MoUs with various organizations, the institution **undertakes measures** to organize international certification courses so that students can **implement** their theoretical knowledge into practical utilities for career.

The students have the choice of selecting their own elective subjects from the list of electives offered by the affiliating University. Communication and soft skills programmes are also conducted to improve the employability of our students.

The Institution gives primary importance to obtain feedback from all the stakeholders and to incorporate the

needs and requirements cited to enrich the curriculum. This feedback system helps the teaching faculty to **enhance** their teaching skills. Parents' meetings are conducted and suggestions of parents are **duly taken for consideration with** corrective measures. Based on the feedback from Industrial experts and alumni, specific training programs, lectures by subject experts, industrial visits, workshops and Faculty development programs are organized.

Teaching-learning and Evaluation

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Research, Innovations and Extension

The college **implements** the rules and **norms** laid down by both the Government of Tamil Nadu and the Anna University to ensure transparency in the admission process. The institution analyzes the student profiles to gain insight into geographical distribution of candidates, gender classification and medium of study etc.

Our college focuses on student centric methodology of learning based on experimental learning, participative learning and problem solving methodologies. Innovation Promotion Cell & Industry Institute Partnership Cell in our college conduct contest in Mini projects and **allocate** funds for student projects, motivate the students to improve their knowledge and skill in depth. E-Journals are **subscribed** for access within the college campus by Students and Faculty.

The Institution selects qualified and competent staff by a well-defined procedure, as per AICTE and Anna University norms. The Management committee ratifies his / her appointment based on the appraisal report

approved by the Principal.

The continuous evaluation provides more opportunities to the teacher to get feedback of the students and their own performance. The College has an Examination Management Cell (EMC) comprising of senior faculty members, holds the responsibility for all exam related activities.

The institution has a defined process to monitor and ensure the achievement of the learning outcomes. The learning outcomes are measured at two levels namely, course outcomes (COs) and program outcomes (POs).

Online student feedback on faculty is obtained once in a semester; performance of the faculty is reviewed periodically and counselled suitably.

Infrastructure and Learning Resources

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Student Support and Progression

K.L.N. College of Engineering gives due importance and **keen focus** to research activities as **claimed** in the Vision statement of our institution. Quality Circle – Advanced Research and Development (QC-ARD) was established in the year 2013 to promote the research culture among faculty and students.

QC-ARD encompasses three major activities within the campus:

1. Faculty Research projects - ARD
2. Innovative projects by students - IPC
3. Consultancy activities in collaboration with industry – IIPC

The main focus of ARD is to provide venture capital, technical and administrative support for Innovative, multidisciplinary and socio-economic research projects of faculty members to forge their research into research proposals to external funding agencies.

IPC of KLNCE was established in 2014, with an aim towards **creating** innovative ideas and concepts of societal impact towards fulfilling the needs of the society and there by developing realizable products and services.

The objective of the IIPC is to **gulf** the gap between industry expectations and academic offerings by direct involvement of industry to attain a symbiosis.

In order to bridge the gap between academia and industry, the institution has collaboration with various leading industries for the benefit of students and faculty members.

Students are also motivated and sensitized to social issues, Leadership qualities and holistic development by extension activities through various schemes in the neighborhood community for medical checkup, road safety, blood donation, tree plantation, awareness programmes on drug abuse, women abuse, anti -Tobacco, safety, helping old age homes, etc.

Governance, Leadership and Management

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Institutional Values and Best Practices

KLNCE Campus has multi-storeyed buildings consisting of well provided class rooms, drawing halls, seminar halls, conference halls, library, Air-Conditioned Computer centers, staff rooms and student rest rooms. Totally 50,247sq.meter of buildings have been constructed for effective teaching learning process.

To bring out the hidden talents of the students in the field of sports, the college has a very good Football field, Cricket circle, Ball badminton court (2 Nos.), Volleyball court (3 Nos.), Indoor Badminton Court (4 Nos.), Concrete Basketball Court (1 No), Tennis court (1 No), Hand Ball court, 10 Station Gym for Boys and 6 Station Gym for Girls. The college has an Indoor stadium of 2,221 sq.meter for Indoor games and Ten acres of land for outdoor games.

The sanctioned budget for infrastructure development is genuinely and fully utilized and the expenditure is officially submitted to the auditors for proper account maintenance. The college has a fully automated library, with multi-user software and runs in windows environment. It was developed and implemented by ISSG (Information System Support Group) of our college. The Institute has e-journals access like IEEE, ASME, J-GATE, Springer, Elsevier, etc.

The institute has provided the state of art modern laboratories with the support of computers for providing the students with a touch of the current scenario of education. In order to facilitate there are 1726 numbers of computers. The college has various additional departments, with the hierarchy for the development of the institution like ISSG, Electrical maintenance, Security system, Library, Transport and Health Center.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	K.L.N.COLLEGE OF ENGINEERING
Address	Madurai-Nedunkulam Road Pottapalayam-630612 Sivagangai District
City	POTTAPALAYAM
State	Tamil Nadu
Pin	630612
Website	www.klnce.edu

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	RAM PRAS AD.A.V.	0452-2090971	9787715335	0452-233022 0	infoklnce@gmail.c om
IQAC Coordinator	ALAGESWA RAN.R	0452-6562171	9790672188	0452-209007 0	alageswaranramaia h@outlook.com

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	Yes
If Yes, Specify minority status	
Religious	Hindu
Linguistic	Sourashtra Linguistic Minority
Any Other	

Establishment Details	
Date of establishment of the college	11-08-1994

University to which the college is affiliated/ or which governs the college (if it is a constituent college)

State	University name	Document
Tamil Nadu	Anna University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC	12-06-2007	View Document
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	30-03-2017	12	

Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	Yes
If yes, name of the agency	National Board of Accreditation NBA
Date of recognition	04-02-2017

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Madurai-Nedunkulam Road Pottapalayam-630612 Sivagangai District	Rural	53.8	50247

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Mechanical Engineering	48	Higher Secondary School Examination Plus Two	English	120	118
UG	BE,Electrical And Electronics Engineering	48	Higher Secondary School Examination School Examination Plus Two	English	120	82
UG	BE,Electronics And Communication Engineering	48	Higher Secondary School Examination Plus Two	English	120	110
UG	BE,Computer Science And Engineering	48	Higher Secondary School Examination Plus Two	English	120	103
UG	BTech,Information Technology	48	Higher Secondary School Examination Plus Two	English	90	71
UG	BE,Automobile Engineering	48	Higher Secondary School Examination Plus Two	English	60	39
UG	BE,Electronics And Instrumentation Engineering	48	Higher Secondary School Examination Plus Two	English	60	26
PG	ME,Mechani	24	B.E	English	18	1

PG	cal Engineering					
PG	ME,Electrica l And Electronics Engineering	24	B.E	English	24	0
PG	ME,Electron ics And Com munication Engineering	24	B.E	English	18	2
PG	ME,Comput er Science And Engineering	24	B.E or B.Tech	English	24	3
PG	ME,Informat ion Technology	24	B.E or B.Tech	English	18	3
PG	MCA,Comp uter Application	36	BSc or BCA	English	60	12
PG	MBA,Manag ement	24	BSC BBA	English	60	59

Position Details of Faculty & Staff in the College

Teaching Faculty											
	Professor				**Associate Professor**				**Assistant Professor**			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				36				49				157
Recruited	28	8	0	36	28	21	0	49	75	82	0	157
Yet to Recruit				0				0				0
Sanctioned by the Management/Society or Other Authorized Bodies				0				0				0
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit				0				0				0

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				127
Recruited	99	28	0	127
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				91
Recruited	56	32	0	88
Yet to Recruit				3
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	22	6	0	6	4	0	2	4	0	44
M.Phil.	0	0	0	0	0	0	10	24	0	34
PG	1	2	0	23	15	0	66	47	0	154

Temporary Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	**Male**	**Female**	**Others**	**Total**
	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	1494	0	0	0	1494
	Female	865	0	0	0	865
	Others	0	0	0	0	0
PG	Male	148	0	0	0	148
	Female	98	0	0	0	98
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	32	23	33	37
	Female	12	18	23	30
	Others	0	0	0	0
ST	Male	4	0	0	1
	Female	6	0	0	0
	Others	0	0	0	0
OBC	Male	347	334	321	358
	Female	212	248	256	307
	Others	0	0	0	0
General	Male	11	8	15	19
	Female	6	17	12	11
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		630	648	660	763

3. Extended Profile

3.1 Program

Number of courses offered by the institution across all programs during the last five years

Response: 673

Number of self-financed Programs offered by college

Response: 14

Number of new programmes introduced in the college during the last five years

Response: 1

3.2 Students

Number of students year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2695	2924	3082	3193	3130

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
428	457	415	398	354

Number of outgoing / final year students year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
779	940	926	906	831

Total number of outgoing / final year students

Response: 4382

3.3 Teachers

Number of teachers year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
242	246	241	236	238

Number of full time teachers year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
238	244	235	227	221

Number of sanctioned posts year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
242	246	241	236	238

Total experience of full-time teachers

Response:

Number of teachers recognized as guides during the last five years

Response: 19

Number of full time teachers worked in the institution during the last 5 years

Response: 381

3.4 Institution

Total number of classrooms and seminar halls

Response: 82

Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
796	813	911	916	837

Number of computers

Response: 1802

Unit cost of education including the salary component(INR in Lakhs)

Response: 0.93

Unit cost of education excluding the salary component(INR in Lakhs)

Response: 0.3273

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The institution ensures effective curriculum delivery through a well planned and documented process

Response:

- Every semester the academic calendar is framed by the Institution on line with academic schedule of Anna University, Chennai.
- Course allocation is finalized by Head of the Department on the basis of faculty's technical skill, competency level, experience, students' feedback and academic performance.
- At the beginning of every Semester, Course Committee Meeting is organized within the department (common to all sections) and with other department for common courses.
- The Course Outcomes, assignments, Case Studies and Self Study Topics are planned.

- Based on the expected Course Outcomes, content beyond syllabus are identified and delivery plan are formulated accordingly.
- All the Course handlers plan their lecture schedule based on the academic calendar, syllabus and department time table.
- The course in-charge communicates the course objectives and expected outcomes to the students at the start of the course.
- Course delivery is carried out as per the planning mentioned in the lecture schedule and it is recorded correspondingly in the Assessment Record.
- Course handlers have freedom of delivering their lecture by using various teaching aids like black board, OHP, LCD, video, NPTEL.
- The Academic performance of the Students are measured and monitored through Centralized Internal Tests and Class Tests.
- Students are also assessed by course handler using various tools that determine the ability of students such as Assignments, Quiz, Group Discussion and Presentations.
- Students are identified as quick and slow learners based on their performance in their tests.
- Quick learners are motivated to secure higher grades as well as University ranks and slow learners are counseledto undergo tutorial / coaching classes to perform better.

Class Committee Meetings are scheduled and conducted effectively by each department to encourage the students to improve their academic performance and other skills. Class Committee Meetings are held three times in a semester to monitor the progress of the course and the assessment tools used by the teacher for effective teaching learning and evaluation process. The reports of the class committee meetings are reviewed by the Head of the Department and suggestions are given to the course in-charge for improvement.

Department Faculty Meetings are conducted to review the progress of the course delivery and any improvement in the teaching learning process, if required, is suggested for implementation.

Course Outcome survey is obtained from all the students for all the courses at the end of the semester. Course Outcomes and Program Outcomes attainment are analyzed. Students' feedback is obtained at the end of the semester and faculty members are motivated to improve the course delivery method in the subsequent semester.

1.1.2 Number of certificate/diploma program introduced during the last five years

Response: 14

1.1.2.1 **Number of certificate/diploma programs introduced year-wise during the last five years**

2016-17	2015-16	2014-15	2013-14	2012-13
05	05	03	0	01

File Description	Document
Details of the certificate/Diploma programs	[View Document]()

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Response: 9.87

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
07	03	03	04	06

File Description	Document
Details of participation of teachers in various bodies	[View Document]()
Any additional information	[View Document]()

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years

Response: 17.53

1.2.1.1 How many new courses are introduced within the last five years

Response: 118

File Description	Document
Details of the new courses introduced	View Document

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Response: 100

1.2.2.1 Number of programs in which CBCS/ Elective course system implemented.

Response: 14

File Description	Document
Name of the programs in which CBCS is implemented	View Document

1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years

Response: 17.75

1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
684	763	818	226	114

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates cross- cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

Response:

The Courses relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics that integrated into the Curriculum are listed below:

- **GE6351- ENVIRONMENTAL SCIENCE AND ENGINEERING**
- **GE6075 -PROFESSIONAL ETHICS IN ENGINEERING**
- **GE6674 - COMMUNICATION AND SOFT SKILLS – LABORATORY**
- **MG6851**- **PRINCIPLES OF MANAGEMENT**
- **GE6757- TOTAL QUALITY MANAGEMENT**
- **BA7311 - PROFESSIONAL SKILL DEVELOPMENT**
- **BA7402 - BUSINESS ETHICS, CORPORATE SOCIAL RESPONSIBILITY & GOVERNANCE**
- **MC7304 -PROFESSIONAL ETHICS**

The detailed information about the above mentioned courses are given as additional information.

File Description	Document
Any Additional Information	[View Document](#)

1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years

Response: 17

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 17

File Description	Document
Details of the value-added courses imparting transferable and life skills	[View Document](#)

1.3.3 Percentage of students undertaking field projects / internships

Response: 10.91

1.3.3.1 Number of students undertaking field projects or internships

Response: 294

File Description	Document
Institutional data in prescribed format	[View Document](#)

1.4 Feedback System

1.4.1 Structured feedback received from 1) Students, 2)Teachers, 3)Employers, 4)Alumni and 5)Parents for design and review of syllabus-Semester wise/ year-wise

A.Any 4 of the above

B.Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: D. Any 1 of the above

File Description	Document
Any additional information	[View Document](#)

1.4.2 Feedback processes of the institution may be classified as follows:
A. Feedback collected, analysed and action taken and feedback available on website

B. Feedback collected, analysed and action has been taken

C. Feedback collected and analysed

D. Feedback collected

Response: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
Any additional information	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 0.01

2.1.1.1 Number of students from other states and countries year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	0	0	0	0

File Description	Document
List of students (other states and countries)	View Document
Institutional data in prescribed format	View Document

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 73.22

2.1.2.1 Number of students admitted year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
630	646	660	763	803

2.1.2.2 Number of sanctioned seats year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
912	972	972	972	954

File Description	Document
Institutional data in prescribed format	View Document

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 70.09

2.1.3.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
240	275	271	308	324

File Description	Document
Institutional data in prescribed format	View Document

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Response:

The students of both the categories namely slow and advance learners are identified on the basis of their percentage, classroom performance, regularity in submission of class works and assignments, punctuality and personal interactions. The college pays equal attention to both the slow and advanced learners. Student Counsellors, Class coordinators, Academic mentors and Academic tutors are appointed for every class to take special care to monitor, guide and help the slow learners for the improvement of the studies. The institution also conducts remedial classes for average and below average students to increase their skills and competence.

As an assessment of student's learning ability, internal tests are carried out for each course in every semester. An excellent Feedback system is implemented to sustain the quality of education.

Based on the test and Anna University performance, students are assessed as advanced learners and slow learners. Special programs are organized to improve the learning skill of the students.

Programs for Advanced Learners :

AICTE sponsored Industry Institute Partnership Cell [IIPC] of KLNCE supports and sponsors students to undergo industrial visit and to have interaction with industry experts at our venue through seminars, workshops & short term training programs. Project based learning is another salient feature for group learning process.

The Innovative Promotion Cell (IPC) of KLNCE aids project based learning system. Students work on a host of projects in different courses as well as across courses. Every year state level project contest is conducted by IPC in which our students are motivated to participate. The innovative ideas of the students are encouraged by inviting project proposals. Based on the presentation of the innovative ideas, the projects are funded by IPC. Internship and project-based courses are part of different curricula. These

courses are supervised and students are given sufficient support by faculty to apply their learning and learn from real life situations. The projects which are selected as best get motivated to go for product development.

The Continuing Education Cell (CEC) of KLNCE motivates the students to undergo higher studies by organizing the awareness programme about GRE, ToEFL, GATE, CAT, Study of Foreign Languages like French, Japanese etc.

In order to sustain our institute to the National level standard, College has well defined Quality Circles called Quality Education, Successful Graduation, Potential Employability and Advanced Research & Development Cell.

Industry supported laboratories help the students to implement their innovative ideas. The products will be helpful to the Industries.

Assignments at higher levels are assigned to these students to promote their skill.

Programs for Slow Learners :

Special coaching classes like remedial classes, Tutorial coaching are arranged for slow learners.

Retests are conducted for the students who failed in Internal tests.

Senior faculty at Professor level is assigned to consolidate the list of students with arrears in lower semester for second, third and final year UG programs. The faculty coordinator will arrange special coaching /tutorial classes for the arrear students to improve the performance in the ensuing university examination and thus the higher percentage of graduation.

2.2.2 Student - Full time teacher ratio

Response: 11.14

File Description	Document
Institutional data in prescribed format	[View Document](#)

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0.07

2.2.3.1 Number of differently abled students on rolls

Response: 2

File Description	Document
List of students(differently abled)	View Document
Institutional data in prescribed format	View Document

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

Our college focuses on student centric methodology of learning based on experimental learning, participative learning and problem solving methodologies.

Experimental learning:

Experimental learning is carried out by providing hands-on training to students in laboratory sessions. Students are motivated to do mini project and to attend State & National level project contest. Final year students are encouraged to do in-house and Industrial projects based on high impact journal papers and they are motivated to present their paper in National or International conference.

Participative learning:

The participative learning is implemented by collaboration / group in our college. Academic schedule of each department enforces all faculties to provide self -study topics, exclusive tutorial sessions, seminar presentation and group discussion as mandatory learning methodology.

Students are motivated towards paper presentation by two or three students to various symposiums, National and International Conferences. Innovation Promotion Cell & Industry Institute Partnership Cell in our college conduct contest in Mini projects and provides fund for student projects.

Students work in group for student chapters of CSI, IETE, ISTE towards conduct of technical program. Special Interest Group (SIG) of students based on their subject interest is providing their knowledge and skill to their peers. This will yield better learning outcomes.

Problem solving methodology:

Additional learning methodologies such as brain-storming sessions are arranged for students during Infosys campus connect program and ICTACT courses. This enables the students to solve real time case studies, develop projects. Their learning ability is evaluated through online exams and certificates are provided.

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 81.82

2.3.2.1 Number of teachers using ICT

Response: 198

File Description	Document
List of teachers (using ICT for teaching)	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 11.67

2.3.3.1 Number of mentors

Response: 231

File Description	Document
Year wise list of number of students, full time teachers and students to mentor ratio	View Document

2.3.4 Innovation and creativity in teaching-learning

Response:

Initiative

As a first resort, we have installed projectors with internet connectivity (both LAN and Wi-Fi) in all the class rooms and laboratories which provide recent development in their area of study. This system provides a path for innovation and creativity among the students in classrooms via internet and power point presentations.

Most of the lectures are delivered in power point, which also involves animations. This helps in inducing students' creative thinking, which in turn make the students to understand easily the challenging topics. Knowledge, techniques, innovations and recent trends etc. from all over the globe are also shared with students by video streaming. Few examples include NPTEL, Youtube, Udemy, guest lectures via. Skype etc.

Since we follow outcome based education in our college, we invite Experts, speakers and Entrepreneurs from reputed institutions and industries to share their innovations and knowledge. We even go the extra mile in providing hands on workshops in current technologies. We have signed MoU with industries such as LabView, IBM, Honeywell lab, Texas Instruments to provide hands on experience in present technologies for our students. Additional reference books are available in the Department Library

and Central Library.

Creativity: It is a regular practice in our college that we organize mini-project contest every semester for all the students. This is an excellent opportunity for the students to showcase and experiment their innovations. It has been observed that students tend to create a small module in every project contest and this grows up to a full-fledged project at their final year. This practice fosters the students to exhibit their innovations in other colleges as well. Students are encouraged to participate in Conferences and workshops. Few of their innovative ideas are published in Journals.

Innovative promotion cell (IPC) caters the needs of the students in promoting creativeness by conducting state level mini project contests, every year.

Assessment: Students are assessed using direct methods like internal tests and assignments. They are also assessed by indirect methods such as conducting quizzes, puzzles, tutorials, survey, etc.

Contemporary assessment tools, such as Moodle, Google forms, Padlet etc. are used in assessing student's ability. Brain-storming sessions are conducted after every internal test to collect creative ideas for achieving superior performance in teaching-learning process. Puzzles are conducted to allow students to make mistakes and thereby learning from it.

Industrial visits are organized every year for Industrial Exposure. Feedback is collected after every industrial visit to connect their ideas for new project and for creativity. Best students are rewarded for their creativity and discipline. Rewards include monetary and non-monetary benefits for good academic excellence, attendance, innovation in projects, leadership qualities, sports etc.

Conclusion: Our college is progressing since its inception and hence innovations are being added every year by the student and faculty community.

Faculty members are regularly trained from various schemes which help them to guide the students in various innovations and creative ideas to students.

Trained Faculty members identify the students' ideas to clarify the real innovation and the students are counselled accordingly.

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 100

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	[View Document](#)

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Response: 13.35

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
47	35	30	25	24

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	[View Document](#)

2.4.3 Teaching experience per full time teacher in number of years

Response: 10.66

File Description	Document
List of Teachers including their PAN, designation,dept and experience details	[View Document](#)

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Response: 2.58

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
02	02	00	01	01

File Description	Document
Institutional data in prescribed format	[View Document](#)
e-copies of award letters (scanned or soft copy)	[View Document](#)

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Response: 0

2.4.5.1 Number of full time teachers from other states year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	[View Document](#)

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Response:

The continuous evaluation provides more opportunities to the teacher to get feedback of the progress of his students and his own performance. The teacher applies his mid-term correction, if necessary. As a matter of fact, the entire process of evaluation is carefully planned and shared with the students from the very beginning of the semester with provision of lecture schedule, course material, lab manual.

During the first week of the course, the teacher informs the class the course content, its outcome, unit description, applications in industries, evaluation scheme, internal and external mark allocation, through a 'course handout'.

The evaluation of students is an integral part of the teaching-learning process. The formative assessment for theory courses is carried out by internal tests. Three sets of marks are uploaded in the university website during the stipulated period and the university computes the formative assessment mark for each student out of 20. The question papers are set to test various cognitive levels of the student (Bloom's Taxonomy). A detailed scheme of evaluation is prepared prior to evaluate the answer scripts for every test. Complete transparency is ensured while returning the answer books to the students and the key with scheme of valuation is informed to the students.

The education process in any discipline of learning is completed with University Examinations. The evaluation is through tests and it is an integral part of the teaching-learning process. This comprehensive internal evaluation is the total responsibility of the teachers. The College has an Examination Management Cell (EMC) comprising of a senior faculty member and a team of teaching staff. The EMC holds the responsibility for all exam related activities and through coordinated efforts of the faculty members. The entire evaluation system is smoothly managed by EMC with internal test result analysis.

The evaluation system adopted by our institution has two components, Continuous Internal Evaluation (CIE) and the End Semester Examination (ESE). The ratio of weightage is 20% CIE and 80% ESE for undergraduate programmes and postgraduate programmes. Faculty develop their own evaluation

techniques. The answer scripts of Continuous Internal Evaluation are given back to the students after evaluation for their information which provides transparency and accountability for the evaluation process.

To improve the efficiency, reliability, transparency and accuracy in the examination system the answer scripts are evaluated by the course instructor of the subject.

As a direct assessment, the students' knowledge and ability are tested through quizzes, home assignments, seminars, project reports, etc. The Centralized internal tests are conducted for each semester. The faculty members are instructed to value the answer script simultaneously so as to enter the marks in the institution automation within 3 days from the scheduled test date.

This speedy evaluation of papers and publication of results help the students in their further progression for the course for University Examinations.

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Response:

The performance of an institution is judged on the basis of effective learning outcomes as one of the parameters. Critical information are gathered through feedback mechanism from students to know whether teaching learning process is effective. Corrective actions are initiated to improve the system.

Every course in a programme of the Anna University curriculum is divided into five units and five Course Outcomes. Further, for enabling an easy direct assessment of attainment of these five course outcomes, the internal examination question paper patterns and assignments for each course are suitably framed and marks are awarded. The percentage of students getting more than 50 % of the marks allotted for any course outcome is taken as a measure of its attainment.

The College has set up an Examination Management Cell (EMC) comprising of a senior faculty member and a team of teaching staff. The Cell conducts all the proceedings of the internal evaluation mechanism as per the schedule and procedure laid out by the affiliating University. There are certain course outcomes for every subject in the curriculum. The test question papers are set in such a way that they bring out whether these outcomes are met while evaluating the answer papers.

Mechanism of internal assessment involves two types which includes

1. Internal Assessment
2. External Assessment

1. **Internal Assessment**

The internal assessment is carried out by conducting three Class Tests (CT) and two Centralized Internal Tests (CIT) to map with the course outcome. The frequency of the test is three to five times in a semester. Internal tests are so designed to facilitate the assessment of the attainments of the course

outcomes for the various courses. Model Theory /Practical examinations are conducted as per the schedule.

As per the University directions, weightage is given to attendance, student performance in tests, assignments and classroom participation while deciding the internal marks. After the evaluation in a transparent and fair manner, the marks are entered in the Anna University Web Portal as per the schedule.

1. **External Assessment**

The external assessment is carried out by end semester examination conducted by the Anna University.

Apart from the direct assessment, indirect assessment methods are also adopted that includes Assignments, Seminar / Presentation, Quizzes / GDs and Tutorials to match with the course outcomes.

2.5.3 Mechanism to deal with examination related grievances is transparent, time-bound and efficient

Response:

Internal Examination :

Five unit tests are conducted out of which Three/Two are Centralized Internal Tests. After the test the answer sheets are evaluated by the concerned subject handler. The evaluated answer scripts are distributed to the students with in three working days. The answers are also discussed in the classrooms followed by grievance redressal. All students have easy access to the faculty members and can seek clarification for any doubt regarding the evaluation.

Grievances, regarding evaluation can be taken to the notice of the HOD, if necessary. The marks are entered in college automation as well as in the Anna University web portal as per the schedule. The results are analyzed by the HOD and proper remedial action is taken.

External Examination:

For Anna University Theory / practical Examinations, reforms have been implemented by the University for the academic improvement and to reduce the hardships for the students. There is a mechanism adopted by the University for Redressal of grievances. Within the stipulated days of the announcement of the results, students can apply for revaluation/rechecking (photo copies of the evaluated answer scripts) to the Anna University through the college.

Faculty who handled the subject and the Head of the department as per the instructions from Principal forward applications for revaluation to the University and follow it up regularly for speedy redressal of grievances. If the students are not satisfied with the revaluation, they can apply for review of the revaluation results.

The students are encouraged to apply for revaluation, by payment of the prescribed fee. Facility

has been provided to the students to apply for photocopies of the answer scripts

Revaluation results are published by Anna University. If the student is not satisfied with the revaluation result, there is a provision for review. The review results are also published by Anna University after proper evaluation of the answer script by the expert.

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Response:

Academic Calendar -**Typical content of Academic Calendar**

- Anna University academic schedule-commencement of classes, last working day, end semester examinations, commencement of next semester classes.
- Orientation programme for first year UG & PG students.
- Value added courses (2 weeks before the commencement of classes)
- Student development and training classes (1 week before the commencement of classes)
- Faculty meeting – 1 week before the commencement of classes, 1st week of every month, as and when required – roles and responsibilities – plan of academic activities – staff/students - schedule of administrative committee meeting for NBA/NAAC.
- Course committee meeting
- Programme assessment committee meeting – schedule of content beyond syllabus – plan
- Display of time-table – 2 days before the commencement of classes.
- Commencement of classes – UG and PG courses
- Class Committee meeting – I – (1st week), class committee meeting – II – (2nd month), class committee meeting, as and when required.
- Student counselor meeting – I - (1st week), as and when required.
- IIPC and IDCA review meeting.
- Academic performance evaluation of Faculty.
- Grievance redressal committee meeting
- Project awareness and guidance meeting
- Syllabus completion – unit wise schedule
- Internal test – class test/centralized internal test schedule
- Attendance shortage reviews
- Anti-ragging committee meeting
- Final year B.E/B.Tech/M.E/MBA/MCA project – Guide selection
- Remedial/retest classes
- Parents – Teachers meeting
- Elective subject finalization
- Model practical examinations
- Internal test result analysis meeting (during faculty meeting, as and when required)
- Anna university examinations result analysis meeting. (during faculty meeting as and when required)
- Course Outcome Attainment schedule

- Anna University practical examination schedule
- Anna university examination fee collection
- Feedback – students feedback on faculty, College facility, Laboratory faculty, supporting staff
- Management Review meeting
- Planning and Development meeting
- Programme assessment committee meeting
- Last working day for students
- Commencement of end semester examinations
- Subject allocation meeting.(along with faculty meeting)
- Summer/Winter vacation for staff
- Reopening day for next semester – staff and students
- Public holidays
- Technical symposium
- National/International conference
- Project review schedule
- Group photograph of final year students with UG/PG courses
- Alumni, employer survey, graduate exit survey schedule
- Schedule of Department Advisory Committee (DAC)
- Program Co-ordination Committee (PCC)
- PAC (Program Assessment Committee (PAC)

College Annual Day, Sports day

File Description	Document
Link for Additional Information	[View Document](#)

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students

Response:

Program Outcomes (POs) and Program Specific Outcomes (PSOs) are communicated to the stake holders of the program by the following procedures.

- POs and PSOs are approved by the Department Advisory Committee
- POs and PSOs are available in the Institute website (www.klnce.edu).
- Banners showing POs and PSOs are kept in prominent locations of the campus for staff, students and public view.
- Banners showing POs and PSOs are kept in EEE Department office, Laboratories and Department library.
- Printed copies of POs and PSOs are pasted in the attendance cum assessment record.

- POs and PSOs are communicated to employers and Alumni by sending mail and during the Alumni Meeting.
- During the class committee meeting and faculty meeting POs and PSOs are reviewed among the students and staff members.
- Vision and Mission of Institute and department are informed to the parents during Parents-Teachers Meeting.
- POs and PSOs are given in the laboratory manual. Mission, Department Vision, Mission are printed on the back cover of the laboratory manual issued to the students of B.E. - Electrical and Electronics Engineering.

Course Outcomes (COs) are framed by conducting course committee meeting. The course committee comprises of the course handlers along with one subject area expert. The course outcomes are elaborately discussed and derived by the course committee members.

Even though the COs are given by the Anna University along with the syllabus, if necessary, the COs are modified and reframed by the course committee members (CC).

COs are communicated to the students during the introduction class itself. COs along with lecture schedule are printed and issued to the students during the first class.

COs are also printed in the lab manual. During the discussion of the course, the outcomes of the course are also focussed. During the commencement of each unit and after the completion of the unit, the course outcomes are reviewed

File Description	Document
COs for all courses (exemplars from Glossary)	[View Document](#)
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

Framework of attainment of Course Outcomes:

The assessment tools can be divided into two categories

- Direct Assessment and
- Indirect Assessment

The questions for the tools such as internal tests, assignments, course outcome survey etc. are taken, which relate to specific course outcomes in each course. Presentation skills and Technical seminars are aimed towards widening the scope of the subject including its impact on society and environment as a whole.

Procedure for CO attainment:

- Target is set (55/ 60/65% or grade) for the internal test, Assignment, seminar, quiz and Anna university marks
- Based on percentage of students secured more than the target, attainment level is fixed.
- **Attainment of CO** (Direct) = [W1 * external examinations + W2 * internal attainment]
- W1+W2 = 1

Internal attainment includes internal test marks, viva marks, assignment, seminar, quiz.

Attainment of CO (Indirect) can be done from the course outcome survey

- **Attainment of CO** (Overall) = [W3 * Direct attainment + W4 * Indirect Attainment]

- Process of attainment of Program Outcomes and Program Specific Outcomes

   Assessment Tools:

- Direct Assessment
- Indirect Assessment

- **Direct Assessment of POs and PSOs:**

- Correlation matrix of course outcomes of each course with program outcomes is done with suitable level (1 - Low, 2- Medium, 3- High).
- Course to PO mapping is done taking average of each CO to PO.
- Correlation matrix of course outcomes of each course with program specific outcomes is done with suitable level (1 - Low, 2 - Medium, 3 - High).
- Course to PSO mapping is done taking average of each CO to PSO.
- Similar procedure is followed for all the courses from first year to final year.
- Course outcomes are calculated for each courses as mentioned and the average of course outcome is the attainment of course concerned.
- Using the course to PO and course to PSO correlation matrices, the direct attainment of each POs and PSOs are calculated.

- **Indirect Assessment of POs and PSOs:**

- Student exit survey about each program outcome, is taken at the end of the VIII semester of final year.
- Besides, a survey on the attainment of each program outcome is also taken from the recent alumni.
   - Level fixed for attainment = (3 OR 2 OR1) (For eg. 3 for more than 90%, 2 for more than 80%, 1 for more than 70%.)
- Student's participation in co-curricular activities is also considered as an indirect attainment tool

with the levels detailed below:

- ○ Level fixed for attainment = (3 OR 2 OR1) (For eg. 3 for more than 80%, 2 for more than 70%, 1 for more than 60%.)
- ○ Indirect attainment level = [W5 *Survey attainment level + W6 * Attainment through co-curricular activities]

- ○ $$(W5 + W6 = 1)$$

Overall Attainment of POs:

- ○ Both direct and indirect assessment tools are used for evaluation of attainment of POs.
- ○ Level of PO and PSO attainment is 3

File Description	Document
Link for Additional Information	[View Document](#)

2.6.3 Average pass percentage of Students
Response: 90.24
2.6.3.1 Total number of final year students who passed the examination conducted by Institution. Response: 703
2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution Response: 779

File Description	Document
Institutional data in prescribed format	[View Document](#)

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process	
Response: 3.16	
File Description	**Document**
Database of all currently enrolled students	[View Document](#)
Any additional information	[View Document](#)

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

Response: 102.47

3.1.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
29.5	47.12	9.20	7.0	9.65

File Description	Document
List of project and grant details	[View Document](#)

3.1.2 Percentage of teachers recognised as research guides at present

Response: 7.98

3.1.2.1 Number of teachers recognised as research guides

Response: 19

File Description	Document
Institutional data in prescribed format	[View Document](#)

3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 0.66

3.1.3.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 50

File Description	Document
List of research projects and funding details	[View Document](#)

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

The Quality Circle – Advanced Research and Development (QC – ARD) of K.L.N. College of Engineering was established during 2013 to cater the research needs of our institution. The main focus of QC – ARD is to provide financial, technical and administrative support for the research activities of faculty members. The main objective of QC – ARD is to inculcate Research, Consultancy and Innovation in the minds of our faculty members and students.

Through QC – ARD, the Management provides financial support in the form of venture capital to the faculty members to expose their innovations in the form of research projects. This scheme further motivates the researchers to forge their research into research proposals to external funding agencies. Innovative, multidisciplinary and socio – economic research projects are encouraged through this scheme. The main focus of the Quality Circle is to motivate research projects, journal publications and sponsored research.

QC – ARD encompasses three major activities within the campus

1. Faculty Research projects – ARD
2. Innovative projects by students – IPC
3. Consultancy activities in collaboration with industry – IIPC

The roles of QC – ARD includes,

- Recommending Research project proposals by faculty members
- Promoting activities in Innovation Promotion and Entrepreneurship cells
- National and Multinational industrial consultancy
- Academic and Sponsored Research inside the campus
- Development and progress of research culture among the faculty members. They monitor the progress of individual faculty perusing Ph.D research through participation in Doctoral Committee meetings, half yearly research progress meetings in various departments etc.
- Identify broad areas for research in each department.
- Motivating interdisciplinary research project proposals.

Innovation Promotion Cell (IPC)

Innovation promotion cell of KLNCE was established during September 2014, aiming towards collecting innovative ideas and concepts of societal for fulfilling the needs of the society and there by developing realizable products and services.

Industry Institute Partnership Cell (IIPC)

The objective of the IIP Cell is to bridge the gap between industry expectations (practice) and academic

offerings (Theory) by direct involvement of industry to attain a symbiosis.

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Response: 5

3.2.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
01	01	01	01	01

File Description	Document
List of workshops/seminars during the last 5 years	[View Document](#)

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

File Description	Document
Institutional data in prescribed format	[View Document](#)

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: Yes

File Description	Document
List of Awardees and Award details	[View Document](#)

3.3.3 Number of Ph.D.s awarded per teacher during the last five years

Response: 0.42

3.3.3.1 How many Ph.Ds awarded within last five years

Response: 08

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document

3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Response: 1.02

3.3.4.1 Number of research papers in the Journals notified on UGC website during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
48	52	62	67	8

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document

3.3.5 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years

Response: 1.64

3.3.5.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
84	110	62	52	75

File Description	Document
List books and chapters in edited volumes / books published	View Document

3.4 Extension Activities

3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

K.L.N. College of Engineering is the first self financing co – educational Engineering College in Sivagangai District at Madurai Nedunkulam Road, Pottapalayam and 11th KM from Madurai city. Our college is declared as Sourashtra Linguistic Minority College.

The candidates admitted in I year UG & PG programmes is a mixed population from rural, semi urban, urban areas, Tamil/English medium schools under 1st Graduate families, reservation/management categories.

Hence, Orientation program is conducted for the fresh candidates to provide the relevant information available in the Institute for holistic development, character building, Leadership qualities, and communication skills along with academic achievement.

Students, in general, are motivated and sensitised to social issues, Leadership qualities and holistic development by extension activities by the following schemes in the neighbourhood community for medical checkup, blood donation, tree plantation, awareness programmes on drug abuse, women abuse, anti Tobacco, safety, helping old age homes, etc.,

A) National Service Scheme (NSS)

This scheme is regulated by Anna University, Chennai and permitted to function with 2 units of 200 students each having 100 students. The objective of the scheme is to promote extension activities like General Medical Camp including Eye Dental Care, seven days rural camp for the benefit of villagers and Tree plantation.

Two faculty are co – ordinating these activities with the guidance of the Principal and HODs for personality and character development and to sensitise the social issues.

B) Youth Red Cross (YRC)

It is a constituent of Indian Red Cross (IRC). Two staff co – ordinators with one hundred and fifty student members are doing extension activities related in social concern, Health awareness and emergency help.

These activities are normally carried out during weekends / vacation period and shall be completed during first year of the program. However, for valid reasons, Principal may permit the student members to complete the required days for activities in the second year.

C) Rotract Club:

Our college Rotract Club of Madurai is sponsored by the Rotract Club of Madurai. Students (around 1500) enroll as members in the college Rotract club of Madurai with the guidance of a staff co – ordinator. This team organizes extension activities in association with Rotract club of Madurai aiming at the Holistic development with leadership qualities through educational seminar, quiz programmes and constructive activities for the benefit of the society.

D) Extension activities promoted by the Department.

All departments are assigned to carry out extension activities towards corporate social responsibility (CSR) with the staff co – ordinatiors and students. The activities include programmes like Road safety, conservation of electrical energy and safety to villagers, donation to poor students at school, quiz and awareness on higher education to plus two students.

The impact of such extension activities moulds the students with holistic development, Leadership qualities, involvement in social concerns on completion of their programme.

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Response: 10

3.4.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
06	01	01	01	01

File Description	Document
Number of awards for extension activities in last 5 years	[View Document](#)

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 26

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
4	6	6	5	5

File Description	Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 13

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
551	630	634	23	54

File Description	Document
Average percentage of students participating in extension activities with Govt. or NGO etc.	View Document

3.5 Collaboration

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

Response: 150

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
56	16	51	17	10

File Description	Document
Number of Collaborative activities for research, faculty etc.	View Document

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 3

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2016-17	2015-16	2014-15	2013-14	2012-13
01	02	0	0	0

File Description	Document
Details of functional MoUs with institutions of national, international importance,other universities etc. during the last five years	[View Document](#)

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

"Education must provide the opportunities for self-fulfillment; it can at best provide a rich and challenging environment for the individual to explore, in his own way"

To explore an individual, in his / her own way and to face the challenging technological environment, our founder president Thiru.K.L.N.Krishnan started an Engineering college in the name of K.L.N.College of Engineering. This college is mainly established for the betterment of the down trodden people of Sivagangai District, which is an economically backward district in TamilNadu.

This college is the first self-financing Co-educational Engineering College in Sivagangai, situated on the South Eastern outskirts of Madurai, 11th Km on Madurai – Nedungulam Road. It is built in an area of 53.8 acres.

As per the norms of AICTE, NewDelhi and Anna University, Chennai, the institute has adequate facilities for teaching-learning process. The Campus has multistoried buildings consisting of well-furnished class rooms, drawing halls, seminar halls, conference hall, library, Air-Conditioned Computer centers, staff rooms and student rest rooms. The infrastructure also consists of five double storeyed buildings accommodating laboratories, workshops of various academic curricula and engineering disciplined.

In all 50,247sq.meter of buildings have been constructed for effective teaching learning process. The management is conscious of updating every need to increase the infrastructure.

In order to facilitate the easy accessibility for the students, 1726 numbers of computers have been installed so far. This shows the management's conviction in providing essential infrastructure for the Hands on Training to the students in our college.

Total expenditure incurred so far towards the cost of assets (equipment's, buildings & Furnitures) is about Rs.34.8 corers.

File Description	Document
Any additional information	[View Document](#)

4.1.2 The institution has adequate facilities for sports, games (indoor, outdoor),gymnasium, yoga centre etc., and cultural activities

Response:

"A Sound Body Keeps, A Sound Mind"

KLNCE's ultimate aim is to bring the harmonious development to the students. For this, the college has a very good Football field, Cricket circle, Ball badminton court (2 Nos.), Volleyball court (3 Nos.), Indoor Badminton Court (4 Nos.), Concrete Basketball Court (1 No), Tennis court (1 No), Hand Ball court.

A 400 mt. Standard Track, Long jump pit and High jump pit are available. A separate recreation room is available for carrom, chess and table tennis towards indoor games.

Outdoor / Indoor

The college has an Indoor stadium of 2,221 sq. meter for Indoor games like shuttle cock, Table Tennis , Chess, Carom and 10 Station Gym for Boys & 6 Station Gym for Girls. Ten acres of land has been cleaned off and leveled for play grounds and athletic events

This encouraging performance in sports and games by our students is due to the interest shown by the management in providing the required facilities.

Yoga

As a part of character building with education, two departments is conducting yoga and meditation practice classes to the interested students under the guidance of an expert in Transcendental Meditation and Yoga.

Cultural

The Cultural and Literary Association (CLA) is formed for encouraging the Staff and Students in order to develop and extend their Extra Curricular Skills for creating a platform to expose their talents.

The college have separate music club called "K.L.N. Melody Fine Arts Club" by which staff and students can develop their vocal skill and to play musical instruments.

Table 4.1.2 Details of Play Fields (in Sq. Meter)

S.No	Sports Ground and facilities	
1.	**Ball Badminton**	**1 Court**
2.	**Cricket**	**1 Ground**
3.	**Basket Ball**	**1 Court under Flood Lights**
4.	**Foot Ball**	**1 Ground**
5.	**Hockey**	**1 Ground**
6.	**Tennis**	**2 Court**
7.	**Kabaddi**	**2 Court**
8.	**Volley Ball**	**2 Grounds**
	Track and Field	
1.	**Track Events**	**1 Standard 400 mts Track**

2.	Field Events	Jumps- Long Jump pit, Triple Jump Pit, High Jump
Indoor Facilities		
1.	Badminton	4 Courts
2.	Table Tennis	2 Boards
3.	Chess	10 Boards
4.	Carom Board	6 Boards
Gym Facilities		
1.	Indoor Stadium for Men	Gym hall with 10 Stations
2.	Indoor Stadium for Women	Gym Hall with 6 Stations

File Description	Document
Any additional information	[View Document](#)

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

Response: 90.24

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 74

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	[View Document](#)

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 10

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
79.6	81.3	91.1	91.6	83.7

File Description	Document
Details of budget allocation, excluding salary during the last five years	[View Document](#)
Any additional information	[View Document](#)

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

1. Library automation software which is equipped with fully integrated multi-user software on windows environment, developed and implemented by ISSG (Information System Support Group) of our college. It is user friendly, informative and has the features such as powerful search engine which locates the status and location of the books in the library, displays all available books and the borrower status.

1. **Number of computers for student access (OPAC)** – 02
2. **Number of printers for student access**– 02
3. **Internet band width/speed** – 152 Mbps
4. **Institutional Repository**– Students Project Reports, Anna University Previous Years Question Banks, Faculty Publications (manuscript).
5. **Content management system for E-learning:** NPTEL, NDL (National Digital Library)
6. **RFID system for book issue, return and to avoid unmarked book issue**.

1. Nature of Automation– **Fully**
2. Version – **3**
3. **Year of Automation - 2000**

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Response:

S.No	Items	Name of the Book/Manuscript	Name of the Publisher	Name of the Author	No. of Copies	Year of Publishing
	Rare	20th Century	Purenell	Taylor J.R.Roberts,	1	1979

1	Books	(Encyclopedia) 1 – Title 20-Volumes	Reference Books	J.M.Bullock		
		The Illustrated Science and Invention (Encyclopedia) 1 – Title 21-Volumes	H.S.Stuttman Co.Inc Publishers	Stuttman.H.S	1	1974
		The New Encyclopedia Britannica Macropedia Knowledge 1-Title 10-Volumes	William Benton, Helen Hemingwat	William Benton	1	1943
		Reference Books	List Enclosed		200	2012-2017
		Hand Books	List Enclosed		381	2012-2017
2	Manuscripts	Monograph for the Subjects	K.L.N.C.E	Departments Faculties	100+	2012-2017
3	Special Reports	IIPC Report & Industrial Harmonic Audit report	K.L.N.C.E	Dr.S.Parthasarathy	70	2013-2017
		Energy Audit Report	K.L.N.C.E	Dr.S.Venkatanarayanan	120	2015-2017
		Honeywell Reports	K.L.N.C.E	Dr.Ganesh Kumar	1	2016

4.2.3 Does the institution have the following:

   1. e-journals
   2. e-ShodhSindhu
   3. Shodhganga Membership
   4. e-books
   5. Databases

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: C. Any 2 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc.	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Response: 25.77

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
19.14	19.84	27.63	30.82	31.43

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

File Description	Document
Details of remote access to e-resources of the library	View Document
Any additional information	View Document

4.2.6 Percentage per day usage of library by teachers and students

Response: 10.23

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 300

File Description	Document
Details of library usage by teachers and students	**View Document**

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

Computer Systems and Software

- Computers are updated with higher configuration as required for the curriculum and advanced Learning.
- Dot matrix printers are replaced with laser printers in all computer laboratories.
- Scanners cum printer are used in all departments.
- Updated Licensed software are procured and installed.

Campus Networking

- An extensive fiber optic network inside the campus is established replacing copper medium.
- The present campus network backbone is laid up to 1.5 Kms using seven manageable switches.
- There are nearly 1726 nos. of computers connected to this network .
- Campus networking with fiber has several distinct advantages over non-fiber applications such as:

(a) Networks can be extended longer distances,

(b) Larger amounts of data can be sent due to increased bandwidth

(c) No environmental disturbances

 (d) Immunity to EMI/RFI, lightning strikes.

Internet Bandwidth:

The college campus is provided with Internet facility by improving the bandwidth from 30 Mbps to 152 Mbps.

- Name of the Internet Provider : BSNL & Aircel
- Available Bandwidth : 152 Mbps (Aircel : 120 Mbps and BSNL 32Mbps)
- Internet facility extended to all laboratories, departments, faculty rooms and other units.
- Exclusive firewall (Cyber-Rom) is implemented and restrictions are imposed in web access to students and staff.
- Internet connectivity is available to faculty, staff, Students and guests by providing exclusive login credentials.

Wi-Fi Zones

Both wireless LAN and fixed network outlets have been installed at different areas in campus including central library, conference halls, canteens, and hostel to provide internet connectivity to mobile systems.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.3.2 Student - Computer ratio

Response: 1.5

File Description	Document
Student - Computer ratio	View Document
Any additional information	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)
>=50 MBPS

35-50 MBPS

20-35 MBPS

5-20 MBPS

Response: >=50 MBPS

File Description	Document
Details of available bandwidth of internet connection in the Institution	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response: No

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	<u>View Document</u>
Any additional information	<u>View Document</u>
Link to photographs	<u>View Document</u>

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Response: 10

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
79.6	81.3	91.1	91.6	83.7

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	<u>View Document</u>

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

Maintenance and utilization of the Infrastructure Facilities:

The maintenance and upkeep of the infrastructure facilities are carried out with the support of the heads of the particular infrastructure department. The following is the organizational chart of the departments.

Civil Maintenance:

The civil maintenance is headed by the Teaching Faculty. He is in charge of four divisions, water and sewage, building, carpentry and Gardening. Each division is headed by a supervisor and is employed by respective skill workers.

Laboratory Equipment:

The equipment and machineries in the laboratory/workshop are maintained by the lab In-charge(s)/workshop In-Charge(s) with the advice of HOD through ISSG.

Computers, Software's& UPS:

The computers are maintained in the Institution by "Information System Support Group (ISSG)". This division provides the integrated IT services like smooth running of automation, up-gradation and maintenance of automation package, college website, biometric services, troubleshooting of hardware, networking equipments including internet connectivity, procurement of hardware, software.

Vehicles: Transport

There are forty three buses, two staff van, 4 cars & one Ambulance. The buses are plying covering all the routes for the use of staff and students. The two vans are exclusively utilized for HODs, SeniorrPofessors and Guest speakers. The Emergency Van (Ambulance) is available in the college 24*7 hours for students and faculty at the time of emergency.

Electrical Maintenance:

The electrical maintenance section is headed by the HOD/EEE. A senior professor in the electrical department is supported by an electrical maintenance (Manager) of the campus with the support of Electrical Engineer, Supervisor and Electricians.

Library :

The library is headed by librarian and he is the premises superior for both U.G. and P.G. library. He is supported by the assistant librarian, supporting staff (Senior and junior clerks) for Journal and Reference sections. In addition to the above staff, junior safety Assistants, and attenders will help the students for searching and lending of the books in the library.

Physical Education:

The physical education department is facilitated by the physical directors to educate the students. The marker of the department makes the play field ready for the students, by marking the ground and providing the play kits.

Health Centre:

The health center of the college is governed by the Medical officer. The Doctor is supported by a pharmacist and a nurse. The nurse is assisted by nursing assistants. The health center has three beds and has enough space to cater the needs of the patients and it is utilized by students, staff of K.L.N.C.E. and by the village dwellers around college campus.

Security:

The Security of the college is headed by the senior Teaching staff. He is supported by the Security officer and the sergeant. Security officer assigns the duty to the security guards to control and monitor the college the premises. The sergeant takes care of the cleanliness inside the college with the support of Housekeepers and sanitary workers.

File Description	Document
Any additional information	[View Document](#)

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response: 56.26

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1846	1849	1515	1861	1319

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	[View Document](#)
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	[View Document](#)

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 10.47

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
258	258	316	369	380

File Description	Document
Number of students benefited by scholarships and freeships besides government schemes in last 5 years	[View Document](#)

5.1.3 Number of capability enhancement and development schemes –

1.For competitive examinations
2.Career counselling
3.Soft skill development
4.Remedial coaching
5.Language lab
6.Bridge courses
7.Yoga and meditation
8.Personal Counselling

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

Response: B. Any 6 of the above

File Description	Document
Details of capability enhancement and development schemes	<u>View Document</u>

5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 7.73

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
295	224	308	193	125

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	<u>View Document</u>

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

Response: 8.54

5.1.5.1 Number of students attending VET year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
369	289	471	61	60

File Description	Document
Details of the students benifitted by VET	View Document

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

Response: Yes

File Description	Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 4.74

5.2.1.1 Number of outgoing students placed year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
57	42	41	34	31

File Description	Document
Details of student placement during the last five years	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Response: 0.9

5.2.2.1 Number of outgoing students progressing to higher education

Response: 7

File Description	Document
Details of student progression to higher education	[View Document](#)

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 3.21

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
4	2	3	2	1

5.2.3.2 Number of students who have appeared for the exams year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
63	99	82	92	54

File Description	Document
Number of students qualifying in state/ national/ international level examinations during the last five years	[View Document](#)

5.3 Student Participation and Activities

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

Response: 1

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at

national/international level (award for a team event should be counted as one) year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	0	0	0	0

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	[View Document](#)

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

The institution promotes inclusive practices for social justice and better stakeholder relationships. The institution promotes value-based education for inculcating social responsibility and good citizenry amongst its student community. The institution has the required infrastructure and promotes active participation of the students in social, cultural and leisure activities. Encouraging students' participation in activities facilitates developing various skills and competencies and foster holistic development.

Several committees are established to develop the wellbeing of the student on academic, co-curricular and extra-curricular areas. Student members play a predominant role in these committees to propose their suggestions, ideas and information for effective functioning and they are assigned memberships privileges at different engineering communities such as IEEE, IETE, SAE, ISTE, IEI etc. The active participation of the students in organizing events through these committees builds their organizational ability to work as a team. These fora provide a channel of communication between the faculty, administration and the student body in matters of general and academic interests.Regular meetings are conducted to frame and review the works of the committee.

Technical committee focuses on overall growth of the students with an emphasis on academic related issues, formulated with the coordination of the departments and the institute to encourage the students to interact and share their knowledge with the outer world through their active participation in workshop/Paper contest/Conferences/Project contest etc. The committee brings together industrial and subject experts to hold trainings which facilitates in bridging the gap between the institute and industry. This in turn gives the students an exposure on industrial requirements and technical trends beyond the classroom learning.

Value-added courses are carried out by several cells convened within the department such as SAEINDIA KLNCE Collegiate Club&SPC(Automobile),The Indian Society of Heating Refrigerating and Air Conditioning(Mechanical),Association of Computer Engineers&CSI(Computer Science &Engineering), EINSTEA association(Electronics&InstrumentationEngineering),Elite association(Electrical&Electronics Engineering),Microelectronics Club&Social Club(ECE), ODYSSEY (Mathematics Department),KLNCE Science and HumanitiesAssociation (Science & Humanities Departments), Emerging Information Technologist Association(MCA) and GEMS Association and CII Chapter& Young Indian Madurai Chapter(MBA).These associations aim in conducting activities to further supplement their theoretical knowledge and also develop the students' personality as well as strengthen their learning capabilities. Guidance is given to the students on various aspects of building a career and to assist them in exploring new opportunities. The knowledge gained through these programmes prepares them to face challenges of the future.

The cultural and literary association conducts cultural activities which provide an opportunity for socialization and self-assessment among the students in exhibiting their hidden talents. Extra-curricular programme such as NSS, YRC and Rotaract clubs helps the students to identify the problems of the community, gain skills in mobilizing as a team and to utilize their knowledge to find solution. Other welfare committees such as Hostel and class committees effectively function in addressing the grievances and suggestions of the students through their representatives periodically.

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

Response: 1

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	1	1

File Description	Document
Number of sports and cultural activities / competitions organised per year	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

Yes, the college has an alumni association with the objective of organizing the annual reunions. The alumni association was established in 1998, and has been maintaining a life-long connection between the institution and its alumni. The registration of alumni association is under process. The mission of the association is to foster strong bonds between alumnae, students and the institute. This alumni network enables them to remain engaged with the institute and contributes to its success through the association's programme and services. In collaboration with an extremely dedicated board of members, the alumni association functions effectively networking contacts and organizes events which create an ever-lasting experience. The members are spread around the globe and the reunion arrangement provides opportunities to share their experiences which they have gained through years. The activities involved in such gatherings are pivotal to the growth of the institution and for career development. Alumni association plays a great role in building the future of the institute by being its potential representatives in their social and professional life. Alumnae serve as role models for current students and are often well placed to offer practical support to students as they start their careers.

An alumnus pays visits to the institute and interacts with the current students about the expectations of the industry and guides them through the process. They conduct placement orientation programs to final year students. Our own alumni industrial experts are invited to hold technical sessions and many of them generously offer training to the students during their convenient times on a periodic basis. They help students with their projects, share job openings, walk them through the steps involved in securing internships, industrial visits and they ultimately establish a strong bondage with the institute and the students. Alumni who are working in the renowned organizations are invited for guest lectures, expert talks, career guidance programs and discussion with industrial requirements. All these activities stand as a testimonial for an enriched relationship between the alumni and the alma mater.

The institute holds an exclusive login page at the college website for the alumni to reminisce the memories of events which have taken place during the alumni meet. The gatherings are held at Madurai/Chennai/Bangalore and other places. A well-maintained database helps track down the contact information.

The current students contact their alumni members and interactabout placement and project guidance over phone and internet.

The K.L.N.C.E. Alumni Association is enrolled with 8,800 Members and this association has chapters at Madurai, Bangalore and Chennai. In total, 27 Alumni Meet have been conducted both inside and outside the campus.

5.4.2 Alumni contribution during the last five years(INR in Lakhs)

? 5 Lakhs

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

1 Lakh - 3 Lakhs

Response: <1 Lakh

File Description	Document
Any additional information	[View Document](#)
Alumni association audited statements	[View Document](#)

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 5

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	1	1

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years.	[View Document](#)

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

Response:

VISION:

To become a Premier Institute of National Repute by Providing Quality Education, Successful Graduation, Potential Employability and Advanced Research & Development through Academic Excellence.

MISSION:

To Develop and Make Students Competent Professional in the Dynamic Environment in the field of Engineering, Technology and Management by emphasizing Research, Social Concern and Ethical Values through Quality Education System

Our Mission represents four quality circles namely Quality Education, Successful Graduation, Potential Employability and Advanced Research are working effectively by providing Quality Education. Developing the students Competent Professional with Knowledge, Leadership and Nobility. Emphasizing Advanced Research in Engineering, Technology and Management. Educating students with Moral and Ethical values for social welfare. Continuous Improvement to sustain in future.

Top Management and Head of the institution believe in promoting the leadership at all levels. Management authorizes head of the institution in all academic and administrative activities. Head of the institution authorizes and delegates the power of authority to Head of the Department/section heads and in turn HOD delegate the power of authority to Faculty and staff members to redress grievances. The department decides purchase and maintenance of equipments, MOU with industries, In- plant training, Industrial visit, time table, and Subject allocation. Students select elective subjects under the curriculum, conduct and promote professional society activities, workshop, symposium etc

The college promotes the participation of the teachers in decision making.

- HOD, faculty, staff and students have freedom to share their views and suggestions for improvement of college during various meetings.
- All academic and administrative activity decisions are taken based on HOD's Meeting with

Principal.

* Department faculty and staff meet HOD, for implementing all activities.
* Class representatives and student placement representatives meet Principal and HOD for continuous improvements.
* Academic mentors and tutors meet Principal periodically to appraise the academic activities.
* Class committees meeting with HOD for the students' quality improvement development activity and to redress the grievances are held periodically semester wise.
* Various Committee conveners meet Principal for organizing events to bring out the potential of both faculty and students.

Hostel and canteen committee meeting with Principal.

6.1.2 The institution practices decentralization and participative management

Response:

Yes the institution practices decentralization and participative management

Participative management:

To achieve vision and mission of the college, objectives for various criteria such as 4 Quality circles, Anti ragging committee, Student care centre, Grievance committee, University examination results, placements, staff publications, events organization, student's participations, funding proposals, consultancy works etc are framed and targets are also fixed. The status of achievement of objectives is reviewed in the HOD's meeting and Management review meeting. Based upon the status, action is triggered towards fulfilling the achievement of the objectives.

Decentralization:

The institution has a well formulated financial policy and procedures which ensures effective and optimal utilization of finances for academic, administrative and development purposes. Each department prepares the budget according to lab incharge opinion and forwarded to the Principal for sanction. Principal forwards the budget to the management for the approval. The budget is reviewed by the management and approved. The institute also makes a provision for advance/ additional funds. The Principal and the Heads discuss the requirements and decide in allotting financial resources for various purposes ensuring optimum use of available financial resources. The Governing Body studies the annual expenditure, scrutinizes the budget and provides feedback for efficient use of financial resources. Department heads ensure that suitable equipment with the right specifications are procured at competitive, optimal prices. Budget utilization is periodically reviewed by the management.

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

Yes strategic plan are available in the institution. College objectives are being framed in order to achieve the Strategic plan.

Strategic plan for improving the academic performance of students were planned during the academic year 2015-2016 and has been followed for the following academic years.

Tutoring system comprising of Principal, Coordinator of first year, Academic Mentor and followed by Academic tutor was implemented .

Academic mentors, a senior faculty member for each department are deputed by HOD. Faculty handling first year classes are assigned as Academic tutors for a batch of 10 -15 students.

The performance of each student after every test is analyzed. All pass students are encouraged to score high marks and also to pass consistently. Single subject and two subjects failed students are motivated through this tutoring system.

File Description	Document
Any additional information	View Document

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

KLNCE is the first self-financing Co-Educational Engineering College start at 1994 at Pottapalayam village, Sivagangai District (11 km from Madurai city) by K.L.N. Sourashtra College of Engineering Council.

As per AICTE Norms the following Council / Cells are functioning and under the Chairmanship of the Principal of the College for effective administration and control.

Governing Council – 16 Members under Chairman / President of the College to present various activities under various items to the GC Members for perusal and record – once in a year. **Anti Ragging Committee** – 53 Members constituted to implement the steps to avoid ragging among students. **Grievances Redressal Cell** – 13 Members to review the Grievances from the girl students in the College campus and Hostel. **Planning and Monitoring Board** – 8 Members to discuss about Students Admission, Academic Performance, Teaching Learning Process, Placement Details, Industry Institution Programmes and new ventures for the Development of the College.

The College is administered and organized by the Secretary & Correspondent of the College, Principal, 11

HODs, 2 Directors, Librarian, Physical Director and Professors to carry out the regular Academic and allied activities in their respective departments.

The following Academic support units are formed to carry out and overlook its functions.

1. **Industry Institute Partnership Cell** – Established under financial Assistance from AICTE, New Delhi to bridge the gap between Industry and Institute.
2. **Innovation Promotion Cell** funded by AICTE, New Delhi to inculcate the innovations among the students.
3. **Career Development Cell** to initiate value added courses and content beyond syllabus.
4. **Women Empowerment Cell** to impart the social concern of women staff and students.
5. **Prevention of Sexual Harassment Cell (POSH)** to prevent discrimination and sexual harassment against women by promoting gender amity among students and employees.
6. **Entrepreneurship Development Cell** to promote awareness programme for entrepreneurship to final year students of UG & PG Programmes.

Four Quality Circles namely Quality Education, Successful Graduation, Potential Employability, Advanced R & D are functioning to promote Academic Performance, Percentage of Successful Graduation, Employability Potential and R & D respectively by providing various facilities and programmes.

Service Rules of the College are framed considering the details like Appointments, Annual Increment, Promotion Policies, Terms of Service, Employee PF Scheme, Leave facility, Rules and Regulations and it is amended as an when required.

Recruitment of Faculty and Promotion policy are reviewed by Staff Selection Committee. The Principal will recommend the Staff Selection Committee Report to the Management for approval including for pay revision. Upgradation and Promotion Policy for Teaching and
Non-Teaching Staff are prepared and put up in the Services Rules.

File Description	Document
Any additional information	[View Document](#)

6.2.3 Implementation of e-governance in areas of operation

1. **Planning and Development**
2. **Administration**
3. **Finance and Accounts**
4. **Student Admission and Support**
5. **Examination**

A. All 5 of the above

B. Any 4 of the above

C. Any 3 of the above

D. Any 2 of the above

Response: C. Any 3 of the above

File Description	Document
Screen shots of user interfaces	[View Document](#)
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	[View Document](#)

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

Institution has various bodies and cells operating efficiently

- Governing Council committee
- Academic Advisory committee
- Planning and Monitoring Board
- Grievances Redressal committee
- IQAC
- Exam Management Cell
- Training and Placement cell
- Entrepreneurship Development cell
- Promotion Cell
- Industry Institute Partnership Cell
- Techno Business Incubation Cell
- Innovative Anti Ragging Committee
- Prevention of Sexual Harassment committee
- Women empowerment cell
- Student Care Centre
- Quality Circle for quality Education, Successful Graduation, Potential Employability, Advanced Research
- Professional societies like IEEE, ISTE, SAE, IEI, IETE, CSI convention, ISOI convention, MSTECHNO club etc.
- Staff development cell

- NSS, NSO, Youth Red Cross
- Rotaract Club

Industry Institute Partnership Cell (IIPC)

K.L.N College of Engineering has constituted Industry Institute Partnership Cell (IIPC), under the sponsorship from All India Council for Technical Education (AICTE), New Delhi. Since its inception in 2013, the IIPC has been undertaking various technical activities in all spheres of engineering and technology. This department is involved in major domains like industrial consultancy and technical tie-ups, which involve programs such as Power Quality Audit, Industrial Harmonic Audit and Energy Audit at the industrial premises. Faculty members of this department are engrossed with promoting consultancy at all levels, catering the advancement of engineering while meeting the need of the hour. The consultancy task is executed at target industries – Textile, Sugar, Cement, Steel, Oil, Gas, Rubber, Chemical, Food and Hospitals. Being carried out by the expert team of faculty, it is spread from all areas of Tamilnadu across the country. In Tamilnadu alone, more than 100 industries of different sectors are audited and duly recommended for necessary engineering and technical applications. Consultancy work in the area of Internet of Things(IoT),Wireless Sensor Networks, with industries like Linyi Top Network Co Ltd,China, Honeywell Technologies and TVS group of Industries, India has been successfully carried out.

Based on the progressive measures of the IIPC in the recent past, the consultancy task has been widened at global level. Collaborative deeds with industries based in Israel and the US have emanated with focus on quality execution. One such global exposition, a wireless power monitoring device, is designed by a senior professor of the department for M/s AYYEKA Technologies, Israel, ably co-sponsored by UIS-CTC Engineering, United States of America.

The IIPC provides a vibrant platform for the students of this department to get utmost exposure on Power Quality Audit, Industrial Harmonic Audit and Energy Audit during their course study itself. The crown of the IIPC's mantle is adored with many awards from funding agencies for the excellence of activities. With the feedback for the consultancy task getting promising note, the department is chalking out further levels of consultancy in coming days. The unique outcomes of this cell endorse an Industry "K.L.N. Engineering & Technological Solutions" helps to enhance the consultancy, research activities of faculty members and innovative project & product promotion of the student community through internship.

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

Various welfare schemes are provided for the benefit of teaching and non-teaching staff in the institution.

- Sponsorship for higher studies.
- Sabbatical leave, Vacation leave, medical leave, maternity leave, earned leave, PF for all faculty and staff members.
- Transport facility with reasonable rate for teaching staff.
- The salary is directly credited to the employee's bank account.

- Medical centre, ATM facility inside the campus.
- Faculty who handles value added courses is benefitted with remuneration.
- All the teaching and non-teaching members are covered under accidental and group insurance
- Free medical and eye check up for both faculty and staff.
- Incentive for 100% result and 100% attendance
- Gym, Indoor Games for physical fitness and mental relaxation

File Description	Document
Any additional information	[View Document](#)

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 39.04

6.3.2.1 Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
82	103	89	104	77

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc. during the last five years	[View Document](#)

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 5.4

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
5	7	6	5	4

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	<u>View Document</u>

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Response: 8.01

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
24	22	21	16	11

File Description	Document
Details of teachers attending professional development programs during the last five years	<u>View Document</u>

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

Performance appraisal system followed in KLNCE is based on API (Academic Performance Index) for Teaching Staff.

- API is based on teaching, research and involvement in development activities
- The evaluation form constitutes the details of faculty performance and participation in all the activities assigned by the department /college.
- The HOD and Principal give their comments on the performance of the faculty member.
- Based on this performance appraisal, the teachers are given promotion, increments and awarded merit certificates which motivate them to further improvement in their performance.
- Research proposals, papers publication in Journals, guidance given to the students in project and feedback given by students during semester end are also taken in to consideration during the appraisal.
- If the Performance of faculty is not satisfied, the staff performance is reviewed by a review committee with a Professor from other department and HOD of the Department.

For Non teaching staff

Performance appraisal system followed in KLNCE is based on HOD's observation and ratings for Non Teaching Staff.

- Criteria for evaluation of staff include commitment towards students' welfare, colleagues, faculties and management.
- The quality in assigned work and honesty in the execution of job in general institution work with relevant skill and computer literacy acquisition.
- Characters like self discipline, punctuality, and orderliness.
- Courage and conviction to face situations and the attitudes like willingness, readiness, and involvement in routine affairs.
- Attitude towards Quality Management system implementation.
- Attitude towards students, parents and public interaction.

The Performance appraisal forms will be analyzed by Head of the Institution and Head of the Departments. The Principal reports the same to the top management and promotion and increment will be based on the performance of Staff.

File Description	Document
Any additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The financial statements like income, expenditure, balance sheet and summary of significant accounting policies with other informations are prepared by the internal staff in account section of our College, audited by senior manager with the applicable accounting standards. Further, they also follow the design, implementation and maintenance of internal control of the financial statements.

Internal staff in the account section prepares the consolidated budget estimate submitted by the HOD of various departments and sections for the ensuing year to analyze the budget estimate by the Principal.

The analyzed budget estimate is submitted to the Management for approval to the ensuing financial year. The Principal informs the interim budget estimate to all HOD and section heads for the ensuing year.

The Charted Accountant appointed by the K.L.N. Sourashtra College of Engineering Council audits the financial statements like income, expenditure, balance sheet and summary of significant accounting policies and other informations for each financial year submitted by the Management of the Engineering College.

the approval. The budget is reviewed by the management and approved. The institute also makes a provision for advance/ additional funds. The Principal and the Heads discuss the requirements and decide in allotting financial resources for various purposes ensuring optimum use of available financial resources.

The Governing Body studies the annual expenditure, scrutinizes the budget and provides feedback for efficient use of financial resources. Department heads ensure that suitable equipment with the right specifications are procured at competitive, optimal prices. Budget utilization is periodically reviewed by the management.

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

Response: 2.08

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
0	1.13	0	0.95	0

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	[View Document](#)

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

The institution encourages each department to generate funds for the following activities:

- To modernize the existing laboratory for advance learners MODROB.
- To create an research environment by procuring research equipments and other facilities
- To conduct national and international conference for research collaboration and exchange of views.
- To conduct national level seminars and workshops for the benefit of students and faculty members.
- To support in generating fund through postal training and conducting online training.
- To encourage all departments to generate fund through Consultancy Online Exam, Postal Training

The institution applies funding from funding agencies like CSIR, AICTE, IE, DRDO, DST, and TNSCST etc.

This amount is exclusively used for intended purpose. Audited statement and utilization statement are submitted to the concerned agency after the completion of the event.

File Description	Document
Any additional information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

- Internal Quality Assurance Cell (IQAC) was formed in the month of Feb 2017. Previous four quality circles namely Quality Education, Successful Graduation, Potential Employability and Advanced Research were formed for quality assurance process. The institute operates through an integrated framework that assures quality in academic activities.

Role of Quality Circle- Advanced Research

- Research & Development Unit(RDU) to recommend Research project proposals
- Promoting activities in Innovation Promotion and Entrepreneurship cells
- National and Multinational industrial consultancy
- Academic and Sponsored Research inside the campus.
- Advanced certification courses for recruitment process.
- Student's innovative projects funded by RDU –IPC.
- Faculty research projects funded by RDU-KLNCE.
- Innovative Promotion cell organizing nationwide project contest to identify innovative ideas and to promote as a product in Business Incubator for financial assistance.
- Innovative ideas funded by MSME to start up Business Incubator.
- Funded schemes like RPS.IIPC,IPS, FDP, Seminars, MODROBS by AICTE,DST ,CSIR ,BRNS ANNA university Etc.

      Role of Quality Circle- Successful Graduation

- Identifying slow and pace learners
- Exclusive lecture hours to improve their learning skill.
- New Teaching learning methodologies.
- Excel in the academic performance – University ranks

File Description	Document
Any additional information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Response:

Internal quality audits are conducted periodically on the academic processes. The academic audit is carried out by the internal auditors. Areas of non-conformances are identified and appropriate corrective and preventive actions are carried out. Performance appraisal for Teaching and Non Teaching staff and course outcome survey are being carried out every year for analyzing the improvement in performance .Finally the audit report is submitted in the MR meeting to take necessary measures for enhancing the quality. Surveillance audit is conducted by members from certifying agency and reported in the MR meeting to initiate necessary action. The analyzed budget estimate is submitted to the Management for approval to the ensuing financial year. The Principal informs the interim budget estimate to all HOD and section heads for the ensuing year.

The Charted Accountant appointed by the K.L.N. Sourashtra College of Engineering Council audits the financial statements like income, expenditure, balance sheet and summary of significant accounting policies and other informations for each financial year submitted by the Management of the Engineering College.

the approval. The budget is reviewed by the management and approved. The institute also makes a provision for advance/ additional funds. The Principal and the Heads discuss the requirements and decide in allotting financial resources for various purposes ensuring optimum use of available financial resources. The Governing Body studies the annual expenditure, scrutinizes the budget and provides feedback for efficient use of financial resources. Department heads ensure that suitable equipment with the right specifications are procured at competitive, optimal prices. Budget utilization is periodically reviewed by the management.

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 0

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
00	00	00	00	00

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	[View Document](#)

6.5.4 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements
2. Academic Administrative Audit (AAA) and initiation of follow up action
3. Participation in NIRF
4. ISO Certification
5. NBA or any other quality audit

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: B. Any 3 of the above

File Description	Document
e-copies of the accreditations and certifications	[View Document](#)
Details of Quality assurance initiatives of the institution	[View Document](#)

6.5.5 Incremental improvements made during the preceding five years *(in case of first cycle)* **Post accreditation quality initiatives** *(second and subsequent cycles)*

Response:

- K.L.N. College of Engineering is offering 7 U.G and & 7 P.G Programmes.

- It is an ISO 9001-2015 certified Institution.
- Approved Research Centre for MECH, EEE, ECE, CSE and MBA by Anna University, Chennai.
- Approved as Nodal Centre for Quality Improvement Cell by Anna University, Chennai.
- Accredited by NBA, New Delhi for B.E- MECH, EEE, ECE, CSE and B.Tech – IT and MCA.
- Facilitate NPTEL / MOOC / Open ware courses to students, spoken tutorial classes.
- Nodal Center to conduct E -Yantra Robotics by IIT Bombay.
- Establish NI Labview Academy in association with National Instruments, Bangalore.
- Established VMware, Oracle Academy, EMC2 to provide Certificate courses.

- Consultancy works
- AICTE funded Industry Institute Partnership Cell and IPC through which staff and students are benefited.
- MOU with Texas Instruments
- Honeywell SENTIENCE lab for Consultancy.

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 5

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	2	1	1	0

File Description	Document
List of gender equity promotion programs organized by the institution	[View Document](#)
Any additional information	[View Document](#)

7.1.2

1. Institution shows gender sensitivity in providing facilities such as:
 1. Safety and Security
 2. Counselling
 3. Common Room

Response:

Safety and Security:

College has taken initiatives towards for female students& Staff safety and security at various areas. In college buses, exclusive seating arrangements are made for girl students andwomen staff members. Similarly in laboratories, girl students are allotted with seats separately.

There is a separate hostel for female students monitored by lady staff. Girl students feel comfortable withthe environmental freedom in the hostel. About 150 girl students are staying in girl's hostel.

In college canteen also separate divisionis reserved for girl students to have their refreshments and avail rest. Woman physician is available for health check up of girl students. Girl students who are not feeling well consult the lady doctor. A separate common room is available in the upstairs of canteen for girls to take rest as and when required.

A Grievance redressal cell was established and Prevention of Sexual Harassment (POSH) cell are established to organize special programs for women safety, Security and women empowerment. These two cells each have a coordinator with faculty members representing each department.The main responsibility of these two cells is to resolve the grievances of girl students. Coordinator convenes a meeting with members to discuss the nature of grievances and their impact. Convener takes necessary action to resolve the grievances and she submitsthe minutes of meeting to Principal for further action.

Counseling:A faculty is assigned as counselor for 20/25 students in each department. Counselor is responsible to counsel students in order to get more marks, to overcome their physical and mental problems. Counselors arrange fresuent meetings with their wards in a semester to assess the safety & Security system in this college. They also maintain a counselor diary to keep track of all their wards performance.

This counselor diary contains information such as class test marks, centralized internal test marks, Anna University Exam results, personal details such as blood group, height, weight, parents contact numbers, e-mail ids. Counselors send letters to parents about their wards' academic performance in internal tests as well as in semester exams and they are called for discussion to enhance their attitude and achievements.

In addition, a professional counselor ismentoring the students from all departments with specificproblems. She motivates and counsels the students for better academic performances with good behavior.

7.1.3 Alternate Energy initiatives such as:

1. **Percentage of annual power requirement of the Institution met by the renewable energy sources**

Response: 4.72

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

Response: 15.112

7.1.3.2 Total annual power requirement (in KWH)

Response: 320

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	[View Document](#)
Any additional information	[View Document](#)

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 0.28

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 0.42

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 151.09

File Description	Document
Details of lighting power requirements met through LED bulbs	[View Document](#)

7.1.5 Waste Management steps including:
*   **Solid waste management**
*   **Liquid waste management**
*   **E-waste management**

Response:

Solid Waste Management

Solid waste such as food materials from mess and canteen are duly and timely collected in dust bins and disposed outside the campus on the same day. Everyday,excess food materials are given to social worker from Sivagangai who is serving the food to pigs and other pet animals in his area. Test Answers booklets & other scrap materials are collected and disposed periodically.

Liquid Waste Management - Sewage Treatment Plant

College has installed a sewage treatment plant in the ladies hostel with a capacity of 50,000 Kilo Liters per day. It was installed in the year 2016 at the cost of Rs.15 lakhs by Enviro Care India Private Limited This sewage treatment plant has following highlights

1. Pretreatment
2. Biological Treatment (FBBR)
3. Filtration
4. Disinfection.

The sewage treatment plant is designed to treat 50000 liters / day of sewage. The plant is designed to operate 20 hrs at a flow rate of 2500 liters / hour.

Process Description

The sewage is collected through pipelines into a collection sump after screening through bar screen. The

collected sewage is pumped to Aeration system for the reduction of organic pollutants. The air required for the aeration tank is supplied using diffusers connected to air blower. Then the waste water sludge mixture is allowed to flow by gravity into a settling tank, where the sledge is settled at the bottom and the clear supernatant would overflow into the clarified water tank.UV filtration is used for disinfection. The sledges in the sewage tanks are cleaned and disposed periodically by the authorized person.

E-Waste Management

E-Waste such as condemned computers, printers, monitors, key boards are collected from all departments andare disposed periodically.So far578 CPUs, 575 Monitors, 108 printers and other items were collected and disposed.

File Description	Document
Any additional information	[View Document](#)

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

Rain Water harvesting:

Rainwater harvesting (RWH) is a technique of collecting and storing**rainwater** into natural reservoirs or tanks. *Rainwater harvesting* is the accumulation and deposition of *rainwater* for reuse on-site, rather than allowing it to run off. Rooftop method is used for rain water harvesting. In this method, the roof becomes the catchment area, and the *rainwater* is collected from the roof of various blocks.The collected rain water is stored in tanks for later use.

Totally it has been implemented in 24 places within the campus. Two sumps were constructed and located in canteen block and in EEE block. Rain water collected from some of the rooftops are diverted to these sumps and later used in canteens.

Four Reverse Osmosis plants were constructed with a capacity of 500 Liters / Hour to provide the drinking water need of the college, boys & girls hostel. Waste water from these four RO plants are also diverted to the above sumps.

Faber blocks are laid out in different locations to allow the rain water into the earth for improvement of

ground water table

File Description	Document
Any additional information	[View Document](#)

7.1.7 Green Practices
*   **Students, staff using**
a)   **Bicycles**
b)   **Public Transport**
c)   **Pedestrian friendly roads**
*   **Plastic-free campus**
*   **Paperless office**
*   **Green landscaping with trees and plants**

Response:

Green Practices

Bicycles:

Bicycles are available and used by attenders & securities for transporting materials from department to various places. Tricycles are used for transporting chairs & other materials to various locations inside the campus.

Solar Auto:

A solar Auto has been fabricated by Automobile Engineering department and this is utilized within the campus.

Public Transport:

Students' two wheelers and four wheelers are not allowed inside the campus. They have to park their vehicles in the allotted parking stand located outside the campus.Further, some of the students make use of

public transport to come to college. By these ways, carbon emission is reduced significantly inside the campus and makes the environment pollution free.

Plastic free environment:

Plastic covers and bags are completely banned inside the campus. Instruction boards are displayed in various blocks instructing students/staff not to use plastic covers.Canteen people are given necessary instructions on plastic free environment in their daily routines.

Green Landscaping with trees and plants:

Trees are planted frequently in all places within the campus. The college management is very keen on promoting treeplantation for green landscaping in various occasions such as Founder President's Birth Day celebrations, NSS and Rotaract functions and technical symposiums.

Paperless Office:

The college administrative Office is also instructed to reduce the papers as much as possible. The Principal has created WhatsApp group which includes all Head of departments. In turn, HODs created WhatsApp group with their staff members. Any urgent message or information is passed on to others only through Whatsapp. Placement officer and placement coordinators of all departments have WhatsApp groups & group mail-ids of students and information is passed through them. Database of all staff and students are maintained in office automation software. Communication toparents about their wards are sent through SMS. By this, technology oriented communication practice is also employed.

File Description	Document
Any additional information	[View Document](#)

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 0.11

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
1.83	0.71	0.12	0.17	1.53

File Description	Document
Details of expenditure on green initiatives and waste management during the last five years	[View Document](#)

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

  1. **Physical facilities**
  2. **Provision for lift**
  3. **Ramp / Rails**
  4. **Braille Software/facilities**
  5. **Rest Rooms**
  6. **Scribes for examination**
  7. **Special skill development for differently abled students**
  8. **Any other similar facility (Specify)**

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: D. At least 2 of the above

File Description	Document
Resources available in the institution for Divyangjan	[View Document](#)
Any additional information	[View Document](#)

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 0

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	[View Document](#)
Any additional information	[View Document](#)

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 13

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	1	4	1	7

File Description	Document
Report of the event	[View Document](#)
Details of initiatives taken to engage with local community during the last five years	[View Document](#)

**7.1.12
Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff**

Response: Yes

File Description	Document
Any additional information	[View Document](#)

7.1.13 Display of core values in the institution and on its website

Response: Yes

File Description	Document
Provide URL of website that displays core values	[View Document](#)

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Response: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	[View Document](#)

7.1.15 The institution offers a course on Human Values and professional ethics

Response: Yes

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Response: Yes

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Response: 17

File Description	Document
List of activities conducted for promotion of universal values	[View Document](#)

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

K.L.N College of Engineering has been founded with its ultimate goal of imparting quality Education and graduate the most enlightened pupils along with human dignity. A man is complete when he has passion for his motherland and pay gratefulness to the people who have sacrificed or contributed for the well being of others.

To show this in practice and hold this value in life of Pupil, K.L.N.College of Engineering pioneered in celebrating the important days, birth and death anniversaries of great Indian personalities as a grand ceremony every academic year.

During 2013-14 academic year, in memory of the birth anniversary of great teacher, Dr.Sarvepalli Radhakrishnan, a staunch believer of education, celebrated Teacher's Day airing up the debate on the topic "Who plays a dominant role to create the best Students - Teachers? Parents? Management? Students? on 25th of September 2013 with mass participants of 455 people. In the consecutive academic years, Teachers day was celebrated with the conduction of Debate on the topics "What's the need for today's Students through Education – For Work? For Life? "on 05.09.2014 with 378 participants, "The Specialty of a Teacher exposed in Engineering Stream? Arts Stream?" on 04.09.2015 with 426 participants, "The Future Growth of India? Ancient Teachers, Students, Parents, Society and Education Modern Teachers, Students, Parents, Society and Education on 02.09.2016 with 460 participants and "The Fast Growth of Internet - Advantage or Disadvantage for Students" on 14.09.2017 with 492 participants.

In the memory of Missile man of India, Dr.A.P.J Abdul Kalam, we celebrate his memorial day by conducting quiz competitions to motivate students. The events were conducted on 13.08.2015 with 100 students and on 11.08.2016 with 56 students.

Motivational talks were arranged for 50 students on Dr.Abdul Kalam's Memorial Day and International Youth Day on 11th and 12 th of August, 2016 respectively. To invoke the young minds, Techno Science Festival was conducted for 540 students who were in their I year on 28.02.2017. K.L.N.C.E has also planned to conduct many more events in the forthcoming era for shaping the students into better individuals

File Description	Document
Any additional information	[View Document](#)

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

Financial Transparency: HoDs / Section Heads are informed to submit the detailed budget estimate towards Non-Recurring and Recurring items for the ensuing financial year to the Principal. The approved budget by the Management allotted to each department and various sections are informed. This helps the HODs and section heads to plan for the purchase of equipments and other items based on requirement. Principal is empowered to sanction for the procurement of items upto Rs.50,000/-. HODs are permitted to procure recurring items up to Rs.60,000/- per year.Salary is credited on the last day of every month to all employees in their bank account. Advances are granted for non teaching staff for Diwali celebrations.

Academic Transparency: Management Review Meeting(MRM) is conducted every year and minutes are circulated to HODs. They conduct departmental meeting to disseminate the information to staff members

periodically. In response to the departmental meeting, counselors, coordinators, section heads take necessary actions.

HODs meeting and Quality circle review meetings are convened periodically to discuss the progress of the various activities in respect of academic performance, staff development and student welfare. The minutes are circulated to faculty/students as per the requirements.General circulars are prepared in the admin office for staff and students. The grievances of students and action taken are recorded in the class committee register.

Academic calendar is prepared and posted in college web site in the beginning of each semester. Academic calendar is displayed in the notice board of each department. Parents of each student can verify the attendance and academic performance of their ward through the college web site. Bulletin is prepared with phone number of each staff in each department and distributed to all students and staff in the beginning of the academic year. Parents can make use of this bulletin in order to know the progress of their ward by interacting with counselors, coordinators and Head of the department.

Auxiliary Functions: Institute has provided Accidental Insurance Policy benefit to all employees. Institute is giving cash incentives to teaching staff who produces 100% results in their subjects. Registration fee and travel expenses are granted for staff members who are presenting their papers in International / National Conferences.

Staff members are sponsored to attend workshop, faculty development programs, technical seminars, short term courses and industrial training. Bi-Cycles, Sewing Machines are given as award to deserving supporting staff members each year in the college annual day function.

As a part of Founder's day celebration and Corporate Social Responsibility (CSR), each department is organizing training to school students of nearest villages, quiz competitions, awareness programs to village people etc. Blood donation and eye camps are conducted twice or thrice in a year. College is donating books and notes to school children of nearest villages.

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

Best Practice 1 Title: Training & Placement

Our college has a quality circle named "Potential Employability". Dr P Udhyakumar, Training and Placement officer is the Convener of this quality circle. It has members from each department. This quality circle has its own objectives. As a result of this quality circle, training and placement has become a best practice in our college.

The prime goals under the practice of Training & Placement is to enable the students to have a sound technical knowledge in their field of study and make them eligible to be transformed into the demanding employee.

The trend in Tamil Nadu is a massive inclination towards Engineering Education in the past few years and it has not let off. The major reason for this preference is the employment opportunities in the IT, core companies and other corporate sectors that offer fresh graduates with attractive pay packages.

The number of graduates has inflated and the opportunities of employment has slashed down though K.L.N. College of Engineering aims at providing qualified and most deserving products through our constant and sheer training.

A systematic and scientific approach has been developed for effective training of the students towards campus recruitment. A team of people under the efficiency of the Placement Officer functions for better activity in Training & Placement.

First Year students were exposed to Motivation talks ,Basic soft skills, Training in mathematics. Second year students are trained with Communication skill development ,Mathematical aptitude training, Training in programming skills. Third year students were given Intensive training in programming skills & numerical skills (Oriented towards company specific requirement). Final year students undergo Intensive training for group discussion, technical and HR interview focus towards company specific training.

Apart from these students were encouraged and motivated to take up In plant training, Internships and Industrial projects. The institution provides all the facilities for the students to attend off campus through placement coordinators. All the efforts made by the institution have resulted in note-worthy placement record.

The track record lime lights 311 students placed in 2013-14, 415 students in 2014-15, 294 students in 2015-16 in spite of high call of recession and 575 students in the last academic year i.e 2016-17.We are able to show progress in the training & placement overcoming the multiple problems and are working on many new ideas to improve the progress.

Best Practice 2

Title:Inculcation of research culture among faculty and students

Our college has a quality circle named "Advanced Research and Development". Dr M R Thanasekar, Professor / Mechanical Engineering department is the Convener of this quality circle. It has members from each department. This quality circle has its own objectives. As a result of this

quality circle, research culture has become a best practice in our college.

K.L.N.College of Engineering sets its principal goal to encourage Faculties and students to undergo research and development which would end up in bringing benefits to the society. It also motivate the faculty towards applying for funding agencies like AICTE, DST and DRDO to enhance their research work.

It is the responsibility of faculty members to inculcate effective learning methodology for their students to understand various engineering concepts. To accomplish this, they need to be creative and innovative in their approach and should possess holistic idea about the subjects what they taught, which requires some level of research competencies. Research therefore is the back bone for the development of the students, teachers and the institution.

The four UG degree programmes in our college have been recognized as research centre. MoUs have been signed between the institution and various industries to carry out the research and consultancy activities. Eminent researchers are invited to campus for delivering lectures and all relaxations have been provided for students and faculties to do research works. The key activities taken are identification of potential people, encouraging them to progress, examining the proposals and providing prompt guidance through scholars inside the campus.

The outcome of these activities resulted with publication of 1059 papers contributed by faculties of various departments. Further 42 faculties have pursued their Doctorate and 63 have registered for Ph.D & pursuing.Funds have been received for research works which were found to be more beneficial for the society through Government agencies like AICTE, New Delhi, TNSCST, CSIR, DRDO, IEI, MSME etc.. Grant amount of Rs.27,05,000/- have been issued by various Funding agencies for the prosperous research work of 7 faculties in the year 2012-13.

By 2013-14, We received 43,05,000/- for efficient work of 4 faculties followed by Rs.4,08,000- in 2014-15. The research work contributed by 8 faculties in 2015-16, drawn fund of Rs.93,49,200/- and Rs.1,09,769/- has been received for the research ideas in 2017-18. The faculties and students are provided more and more opportunities through various development programs which end up in making them more skillful and proficient to undergo such research works.

File Description	Document
Any additional information	[View Document](#)

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

Industry Institute Partnership Cell (IIPC) was established under grant-in-aid scheme (Rs14.50 Lakhs) of All India Council for Technical Education (AICTE) New Delhi in 2013. Principal Dr A V Ram Prasad is the chairman and Dr. S. Parthasarathy is chief coordinator of this cell.

This cell has Industrial members as well as academic members such as Dr.T.Thyagarajan, Director, Centre for University-Industry collaboration, Anna University, Mr.KathirKamanathan, CEO, Chella Software, Madurai and head of the departments of KLNCE etc. This cell has one faculty as executive committee member from each department.

The objective of the IIP Cell is to reduce the gap between industry expectations (practice) and academic offerings (Theory) by direct involvement of industry to attain a symbiosis. IIPC helps to promote various industry related activities of the department through Industry Department Collaboration Activities (IDCA).

This cell is involved in major domains like industrial consultancy and technical tie-ups, which involve programs such as Power Quality Audit, Industrial Harmonic Audit and Energy Audit at the industrial premises. The consultancy task is executed at target industries – Textile, Sugar, Cement, Steel, Oil, Gas, Rubber, Chemical, Food and Hospitals. Being carried out by the expert team of faculty, it is spread from all areas of Tamilnadu across the country. In Tamilnadu alone, more than 100 industries of different sectors are audited and duly recommended for necessary engineering and technical applications. Consultancy work in the area of Internet of Things(IoT),Wireless Sensor Networks, with industries like Linyi Top Network Co Ltd,China, Honeywell Technologies and TVS group of Industries, India has been successfully carried out.

This cell helps students to go for industrial visits namely, Kudankulam Nuclear Power Plant, BSNL, EID Parry, Athani Power plant etc. It also helps faculty members to undergo training in industries.

A Chart of activities (20 activities) is prepared which includes workshops, FDPs, Seminars, Expert talks, Competency development programmes to be conducted in every academic year. Each department is allotted a fund of Rs.25, 000/- through IIPC to organize various events.

Technical festivals such as technical symposiums, project contests, puzzle solving competitions were also conducted by departments with the financial assistance from IIPC.

Based on the progressive measures of the IIPC in the recent past, the consultancy task has been widened at global level. Collaborative deeds with industries based in Israel and the US have emanated with focus on quality execution. One such global exposition, a wireless power monitoring device, is designed by a senior professor of the department for M/s AYYEKA Technologies, Israel, ably co-sponsored by UIS-CTC Engineering, United States of America. Dr.S.Parthasarathy, IIPC Chief Co-coordinator, KLNCE Visited AYYEKA Tech., Jerusalem, Israel from 08-01-17 to 13-01-17.

The unique outcome of this cell endorses an Industry "K.L.N. Engineering & Technological Solutions" which helps to enhance the consultancy, research activities of faculty members and innovative project & product promotion of the student community through internships.

Our college has received "Sustainable Institute Industry Partnership - SIIP Award 2015" from The Society for Educational and Entrepreneurship Development (SEED) on 04-07-2015 at IIT Madras, Chennai.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

5. CONCLUSION

Additional Information :

Our college organizes many events for the students in association with various professional bodies such as ISTE, IE,IETE etc. To develop a quality culture in the institution that imbibes the quality metrics for consistent improvement in the various academic and administrative activities we have formulated **Internal Quality Assurance Cell** (IQAC).This cell creates awareness on quality aspects, their implementation through various quality circles and monitoring of quality measures of the institution. In order to reduce the gap between industry expectations and academic offerings by direct involvement of industry to attain a symbiosis **Industry Institute Partnership Cell** (IIPC) is established. This cell arranges industrial training for students and identifies student project works in Industries.**Internal Resource Generation (IRG) cell** of our institution generates funds through available IT infrasturcture and research laboratories. **Women Empowerment Cell** (WEC) has been constituted in K.L.N. College of Engineering to empower the rights of female members; faculty staff and students of the college. The cell in the college campus is to empower girl students, to enhance understanding of issues related to women and to make the college campus a safe place for women students. K.L.N. College of Engineering has received **"Sustainable Institute Industry Partnership – SIIP Award 2015"** from The Society for Educational and Entrepreneurship Development (SEED). The industry interaction is further strengthen by MoUs with multinational companies and foreign universities.

Concluding Remarks :

K.L.N. College of Engineering has been approved by All India Council for Technical Education, New Delhi and affiliated to the Anna University, Chennai offering 7 UG programs (B.E. - Mech, ECE, EEE, CSE, EIE, Automobile, B.Tech IT) and 7 PG programs (MBA, MCA, M.E (CSE), M.E (CSE-WSN), M.E (CAD/CAM), M.E (COMMUNICATION System), M.E (Power system Engineering)) with total sanctioned intake of 912. Accreditation status has been approved for three academic years 2016-17 to 2018-19 upto 30.06.19 for B.E Mechanical Engineering, Electrical and Electronics Engineering, Electronics & Communication Engineering, Computer Science & Engineering and B.Tech-Information Technology Programmes. Anna University has granted research centre recognition for four departments namely Mech Engg, CSE, ECE, EEE. Anna University has approved our institution as Nodal Center to conduct faculty development programmes. National Board of Accreditation, New Delhi has approved our college as an ISO 9001:2015 certified Institution.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.1.2	Number of certificate/diploma program introduced during the last five years 1.1.2.1. **Number of certificate/diploma programs introduced year-wise during the last five years** Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
14	15	13	07	02

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
05	05	03	0	01

1.1.3	Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years 1.1.3.1. Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
12	06	06	05	07

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
07	03	03	04	06

Remark : As per the HEI input. The HEI did not provide the names. One faculty on BoS for more than on subject is counted as one only. It is assumed the same teacher was on BoS of BCA and MCA. Similarly one faculty on a body for term of two or three years is counted as one only.

1.2.1	Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years 1.2.1.1. How many new courses are introduced within the last five years Answer before DVV Verification : 122 Answer after DVV Verification: 118
1.2.2	Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

	1.2.2.1. Number of programs in which CBCS/ Elective course system implemented. Answer before DVV Verification : 14 Answer after DVV Verification: 14
1.2.3	Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years 1.2.3.1. Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years Answer before DVV Verification: 	2016-17	2015-16	2014-15	2013-14	2012-13
---	---	---	---	---
781	796	1000	491	389 | Answer After DVV Verification : | 2016-17	2015-16	2014-15	2013-14	2012-13
---	---	---	---	---
684	763	818	226	114	
1.3.2	Number of value added courses imparting transferable and life skills offered during the last five years 1.3.2.1. Number of value-added courses imparting transferable and life skills offered during the last five years Answer before DVV Verification : 51 Answer after DVV Verification: 17
1.3.3	Percentage of students undertaking field projects / internships 1.3.3.1. Number of students undertaking field projects or internships Answer before DVV Verification : 1353 Answer after DVV Verification: 294
1.4.1	Structured feedback received from 1) Students, 2)Teachers, 3)Employers, 4)Alumni and 5)Parents for design and review of syllabus-Semester wise/ year-wise Answer before DVV Verification : A.Any 4 of the above Answer After DVV Verification: D. Any 1 of the above
1.4.2	Feedback processes of the institution may be classified as follows: Answer before DVV Verification : B. Feedback collected, analysed and action has been taken Answer After DVV Verification: A. Feedback collected, analysed and action taken and feedback available on website
2.1.2	Average Enrollment percentage (Average of last five years)

2.1.2.1. Number of students admitted year-wise during the last five years
Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
630	646	660	763	803

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
630	646	660	763	803

2.1.2.2. Number of sanctioned seats year-wise during the last five years
Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13

2.1.3	Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years 2.1.3.1. Number of actual students admitted from the reserved categories year-wise during the last five years Answer before DVV Verification: 	2016-17	2015-16	2014-15	2013-14	2012-13
377	405	396	428	434 | Answer After DVV Verification : | 2016-17	2015-16	2014-15	2013-14	2012-13
240	275	271	308	324	
---	---

2.3.3	Ratio of students to mentor for academic and stress related issues
	
	    2.3.3.1. Number of mentors
	        Answer before DVV Verification : 242
	        Answer after DVV Verification: 231

2.4.4	Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years 2.4.4.1. Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years Answer before DVV Verification: | 2016-17	2015-16	2014-15	2013-14	2012-13
39	34	25	17	18 | Answer After DVV Verification :
---	---

2016-17	2015-16	2014-15	2013-14	2012-13
02	02	00	01	01

Remark : The HEI has included participation and acceptance of faculty exchange as awards. Only full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies can be covered. paper presentation and awards from unrecognized bodies cannot be considered.

2.6.3	Average pass percentage of Students

2.6.3.1. Total number of final year students who passed the examination conducted by Institution.
Answer before DVV Verification : 3817
Answer after DVV Verification: 703
2.6.3.2. Total number of final year students who appeared for the examination conducted by the institution
Answer before DVV Verification : 4382
Answer after DVV Verification: 779

3.1.1	Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

3.1.1.1. Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)
Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
33.11	49.12	9.80	13.94	35.20

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
29.5	47.12	9.20	7.0	9.65

Remark : The HEI has included MODROBS as Grants for research projects sponsored by government/non government sources. The HEI was requested to provide the e-copies of the grant award letter for research project sponsored by government and non-government sources which shows the amount in INR and year of award, however the same has not been done. The HEI seems to have included MINOR projects (03 -06 months) also in the data. These are not valid research projects. Similarly amounts of 30,000 or 50,000 cannot be termed Grants for research projects sponsored by government/non government sources.

3.1.2	Percentage of teachers recognised as research guides at present

3.1.2.1. Number of teachers recognised as research guides

	Answer before DVV Verification : 19 Answer after DVV Verification: 19

3.1.3	Number of research projects per teacher funded, by government and non-government agencies, during the last five year
	
	    3.1.3.1. Number of research projects funded by government and non-government agencies during the last five years
	        Answer before DVV Verification : 90
	        Answer after DVV Verification: 50
	
	    Remark : The HEI has included a large number of projects majority of which are projects at student level and consultancy service rather than research projects. Items like MODROBS, Modernisation, design of filter for effective harmonic mitigation etc. cannot be considered. The HEI has listed same project e.g. RFID Based Product Tracking using Beacon for indoor map Generation five times in different faculty names. There are large number of RFID projects with minor variation in application. Data corrected as per applicability.

3.2.2	Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years
	
	    3.2.2.1. Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years
	        Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
35	30	23	20	13

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
01	01	01	01	01

3.3.2	The institution provides incentives to teachers who receive state, national and international recognition/awards
	
	        Answer before DVV Verification : Yes
	        Answer After DVV Verification: Yes

3.3.3	Number of Ph.D.s awarded per teacher during the last five years
	
	    3.3.3.1. How many Ph.Ds awarded within last five years
	        Answer before DVV Verification : 9
	        Answer after DVV Verification: 08
	
	    Remark : The HEI has included a candidate of ECE who had appeared for PhD seminar/Viva in Sep 2017 and the degree if awarded would be later and does not qualify here.

3.3.4	Number of research papers per teacher in the Journals notified on UGC website during the last five years

3.3.4.1. Number of research papers in the Journals notified on UGC website during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
57	52	65	69	11

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
48	52	62	67	8

3.3.5	Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years

3.3.5.1. Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
87	100	66	57	81

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
84	110	62	52	75

3.4.2	Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

3.4.2.1. Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
10	5	2	3	4

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
06	01	01	01	01

Remark : As per the HEI data attached with the Metric.

3.4.3	Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

3.4.3.1. Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
6	8	8	7	7

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
4	6	6	5	5

3.5.1	Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

3.5.1.1. Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
54	17	51	18	10

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
56	16	51	17	10

3.5.2	Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

3.5.2.1. Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
8	10	3	0	0

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13

01	02	0	0	0

Remark : The HEI was advised that it needs to provide the e-copies of the MoU's with institution/ industry/ corporate house indicating the start date and completion date. Only MoU's executed on stamp paper are eligible. However the HEI has shied from doing so. It is only agreement with NI, CII and ATPDC(CIPET) that can be considered here. The others have been considered in metric 3.5.1

4.1.3	Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc 4.1.3.1. Number of classrooms and seminar halls with ICT facilities Answer before DVV Verification : 82 Answer after DVV Verification: 74

4.1.4 — Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

4.1.4.1. Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
796	813	911	916	837

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
79.6	81.3	91.1	91.6	83.7

Remark : The HEI did not provide sufficient data as requested. The link provided by the HEI is non-functional since last four days the error message that the site is being updated. The values input in this Metric which are supposed to be Expenditure incurred on infrastructure augmentation, excluding salary year-wise are IDENTICAL to the expenditures on maintenance of physical facilities and academic support facilities excluding salary component and also ARE THE SAME as Total Expenditure excluding salary year-wise during the last five years in 3.2. The DVV values are at 10% of the Total Expenditure excluding salary year-wise during the last five years.

4.2.3 — Does the institution have the following:

1. e-journals

2. e-ShodhSindhu

3. Shodhganga Membership

4. e-books

	5. Databases Answer before DVV Verification : B. Any 3 of the above Answer After DVV Verification: C. Any 2 of the above
4.2.5	Availability of remote access to e-resources of the library Answer before DVV Verification : Yes Answer After DVV Verification: Yes
4.2.6	Percentage per day usage of library by teachers and students 4.2.6.1. Average number of teachers and students using library per day over last one year Answer before DVV Verification : 300 Answer after DVV Verification: 300
4.3.4	Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS) Answer before DVV Verification : Yes Answer After DVV Verification: No
4.4.1	Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years 4.4.1.1. Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs) Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
796	813	911	916	837

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
79.6	81.3	91.1	91.6	83.7

Remark : The HEI did not provide sufficient data as requested. The link provided by the HEI is non-functional since last four days the error message that the site is being updated. The values input in this Metric which are supposed to be Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component ARE THE SAME as Total Expenditure excluding salary year-wise during the last five years in 3.2. The DVV values are at 10% of the Total Expenditure excluding salary year-wise during the last five years.

5.1.1	Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years 5.1.1.1. Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
1853	1902	2426	1877	1494

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
1846	1849	1515	1861	1319

Remark : As per the HEI data attached with the Metric in response.

5.1.2	Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

5.1.2.1. Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
254	256	314	369	251

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
258	258	316	369	380

Remark : As per the HEI data attached with the Metric in response.

5.1.3	Number of capability enhancement and development schemes –

1. For competitive examinations

2. Career counselling

3. Soft skill development

4. Remedial coaching

5. Language lab

6. Bridge courses

7. Yoga and meditation

8. Personal Counselling

	Answer before DVV Verification : A. 7 or more of the above
	Answer After DVV Verification: B. Any 6 of the above
	Remark : The HEI did not provide data for Yoga classes, however based on the numbers, may be accepted. There is no mention of remedial classes for the weak students and bridge courses for bringing up the students who come from a different academic background.
5.1.4	Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years
	5.1.4.1. Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years
	Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
2695	2924	3082	3193	3130

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
295	224	308	193	125

5.2.1	Average percentage of placement of outgoing students during the last five years

5.2.1.1. Number of outgoing students placed year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
569	315	432	323	374

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
57	42	41	34	31

5.2.3	Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1. Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
13	7	16	12	7

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
4	2	3	2	1

5.2.3.2. Number of students who have appeared for the exams year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13

| 5.3.1 | Number of awards/medals for outstanding performance in sports/cultural activities at national / international level (award for a team event should be counted as one) during the last five years.

5.3.1.1. Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year-wise during the last five years
Answer before DVV Verification:

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
\|---\|---\|---\|---\|---\|
| 1 | 0 | 2 | 3 | 0 |

Answer After DVV Verification :

| 2016-17 | 2015-16 | 2014-15 | 2013-14 | 2012-13 |
\|---\|---\|---\|---\|---\|
1	0	0	0	0	
5.3.3	Average number of sports and cultural activities/ competitions organised at the institution level per year 5.3.3.1. Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years Answer before DVV Verification: 	2016-17	2015-16	2014-15	2013-14	2012-13	 |---|---|---|---|---|
6	6	7	8	5 | Answer After DVV Verification : | 2016-17	2015-16	2014-15	2013-14	2012-13 | |---|---|---|---|---|
1	1	1	1	1	
5.4.3	Number of Alumni Association / Chapters meetings held during the last five years 5.4.3.1. Number of Alumni Association /Chapters meetings held year-wise during the last five years Answer before DVV Verification: 	2016-17	2015-16	2014-15	2013-14	2012-13	

| 2 | 2 | 2 | 2 | 2 |

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	1	1

6.3.2	Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years 6.3.2.1. Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years Answer before DVV Verification: 	2016-17	2015-16	2014-15	2013-14	2012-13
170	142	116	139	95 | Answer After DVV Verification : | 2016-17	2015-16	2014-15	2013-14	2012-13
82	103	89	104	77 | Remark : As per the HEI data in the attachment with the Metric in response.
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6.3.3	Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years 6.3.3.1. Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years Answer before DVV Verification: 	2016-17	2015-16	2014-15	2013-14	2012-13
15	26	17	15	18 | Answer After DVV Verification : | 2016-17	2015-16	2014-15	2013-14	2012-13
5	7	6	5	4	
6.3.4	Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years 6.3.4.1. Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
186	162	138	141	100

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
24	22	21	16	11

Remark : The HEI has included data which exhibits one/two day seminars. The data is fragmented and not sorted. As per the applicability of the HEI data.

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

6.4.2.1. Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
100000	100000	100000	100000	100000

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
0	1.13	0	0.95	0

Remark : As per the HEI data in the attachment with the Metric in response.

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

6.5.3.1. Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
35	30	23	20	13

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
00	00	00	00	00

6.5.4 Quality assurance initiatives of the institution include:

	1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements 2. Academic Administrative Audit (AAA) and initiation of follow up action 3. Participation in NIRF 4. ISO Certification 5. NBA or any other quality audit Answer before DVV Verification : A. Any 4 of the above Answer After DVV Verification: B. Any 3 of the above
7.1.10	Number of Specific initiatives to address locational advantages and disadvantages during the last five years 7.1.10.1. Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years Answer before DVV Verification: 	2016-17	2015-16	2014-15	2013-14	2012-13
---	---	---	---	---
0	0	0	0	4 | Answer After DVV Verification : | 2016-17	2015-16	2014-15	2013-14	2012-13
---	---	---	---	---
0	0	0	0	0	
7.1.11	Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere) 7.1.11.1. Number of initiatives taken to engage with and contribute to local community year-wise during the last five years Answer before DVV Verification: 	2016-17	2015-16	2014-15	2013-14	2012-13
---	---	---	---	---
7	3	7	11	9 | Answer After DVV Verification : | 2016-17	2015-16	2014-15	2013-14	2012-13
---	---	---	---	---
0	1	4	1	7	
7.1.12	Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

	Answer before DVV Verification : Yes Answer After DVV Verification: Yes
7.1.13	Display of core values in the institution and on its website Answer before DVV Verification : Yes Answer After DVV Verification: Yes
7.1.14	The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations Answer before DVV Verification : Yes Answer After DVV Verification: Yes
7.1.15	The institution offers a course on Human Values and professional ethics Answer before DVV Verification : Yes Answer After DVV Verification: Yes
7.1.17	Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years Answer before DVV Verification : Answer After DVV Verification :17 Remark : As per the HEI data in the attachment in response and its relevance to promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties.

2.Extended Profile Deviations

ID	Extended Questions
1.2	Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years Answer before DVV Verification: 	2016-17	2015-16	2014-15	2013-14	2012-13
---	---	---	---	---
620	660	601	577	513 | Answer After DVV Verification: | 2016-17	2015-16	2014-15	2013-14	2012-13
---	---	---	---	---
428	457	415	398	354	
2.1	Number of teachers year-wise during the last five years Answer before DVV Verification: 	2016-17	2015-16	2014-15	2013-14	2012-13
---	---	---	---	---
242	246	241	236	238	

	Answer After DVV Verification:				
	2016-17	2015-16	2014-15	2013-14	2012-13
	242	246	241	236	238

2.2	Number of full time teachers year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
242	246	241	236	238

Answer After DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
238	244	235	227	221

2.5	Number of teachers recognized as guides during the last five years Answer before DVV Verification : 70 Answer after DVV Verification : 19
2.6	Number of full time teachers worked in the institution during the last 5 years Answer before DVV Verification : 1203 Answer after DVV Verification : 381
3.3	Number of computers Answer before DVV Verification : 1802 Answer after DVV Verification : 1802
3.4	Unit cost of education including the salary component(INR in Lakhs) Answer before DVV Verification : 0.80 Answer after DVV Verification : 0.93
3.5	Unit cost of education excluding the salary component(INR in Lakhs) Answer before DVV Verification : 0.29 Answer after DVV Verification : 0.3273