Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**K.L.N.COLLEGE OF ENGINEERING**
Name of the head of the Institution	**RAMPRASAD.A.V.**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**+914522090971**
Mobile no.	**9940125238**
Registered Email	**infoklnce@gmail.com**
Alternate Email	**avramprasad2002@gmail.com**
Address	**Madurai-Nedunkulam Road , Pottapalayam-630612 . Sivagangai District, Tamilnadu**
City/Town	**POTTAPALAYAM**
State/UT	**Tamil Nadu**
Pincode	**630612**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**DR. R. ALAGESWARAN**
Phone no/Alternate Phone no.	**+914522090972**
Mobile no.	**9787715335**
Registered Email	**iqac@klnce.edu**
Alternate Email	**alageswaranramaiah@outlook.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.klnce.edu/General/IQAC.aspx

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://klnce.edu/circular/2018-19/AC_2018_19_EvenSem.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B++**	**2.8**	**2018**	**30-Nov-2018**	**29-Nov-2023**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**15-Feb-2017**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
ISO 9001:2015 surveillance audit	**02-Nov-2018** **1**	**2488**

NBA Re accreditation visit	20-Feb-2019 1	2488
Participation in NIRF	30-Nov-2018 1	2488
Faculty Feedback Review	25-Apr-2019 3	2488
Academic audit : Teaching performance evaluation	10-Apr-2018 7	2488
Academic audit :Course material verification	30-Nov-2018 1	2488
Quality Circle-Advanced Research and Development (Internal funding for the faculty research project scrutiny meeting	28-Sep-2018 1	9
Quality circle -quality education -NPTEL certification function	28-Jul-2018 1	248
Spoken tutorial -IIT Certification	24-Oct-2018 1	820
Road Safety Awareness	07-Feb-2019 1	50
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr.S.Parthasarathy, Prof/EEE, Dr.D.Pradeep Kannan, Prof/EIE, Mr.S. Nallathambi, Assistant Professor/Mech	Research Project	Department of Science and Technology(DST), New Delhi	2018 730	3746196
Dr.P.Loganthurai,ASP/EEE,Mr.A.Marimuthu,ASP/EEE	Faculty Development and Training Programme	ANNA University, Chennai	2019 5	30000
Dr.P.Udhayakumar , Prof/Mech	AICTE sponsored Two weeks FDP	AICTE, New Delhi	2019 14	620000
Dr.P.R.Vijayalakshmi, Prof/CSE and Dr.Miruna Joe Amali, Prof/CSE	CSIR sponsored FDP	CSIR, New Delhi	2019 3	36000
M.Satheesh Kumar,AP/Mech	TNSCST STUDENT project	TNSCST, Chennai	2018 365	7500

M.Satheesh Kumar,AP/Mech	Research Project	ISHRAE(Indian Society of Heating Refrigerating and Air Conditioning Engineers, New Delhi	2018 365	25000
Dr.C.Anbu Meenakshi, AP(SG) / Mech	Research Project	ISHRAE(Indian Society of Heating Refrigerating and Air Conditioning Engineers, New Delhi	2018 365	29000
Dr.A.Uma Rani,Prof/EIE	Nationwide competition to create awareness about legal rights of women	National commission for Women, Govt.of India, New Delhi.	2018 2	28500
Dr.A.Uma Rani,Prof/EIE	Women's Economic Empowerment on Enhancing Participation of Women in Economic Development for Achieving Gender Equality and the Advancement of Women	National commission for Women, Govt.of India, New Delhi	2019 3	240000
Dr.D.Satheesh Pandian, ASP/Mech	Pradhan Mantri Kaushal Vikas Yogana By Technical Institutions (Pmkvy-Ti)	Govt.of India, New Delhi.	2019 365	111200
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	**8**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**

Upload the minutes of meeting and action taken report	[View File]
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

12. Significant contributions made by IQAC during the current year(maximum five bullets)

• **As the institution has accreditation status for five departments (Mechanical Engineering, EEE, ECE, CSE, IT).it was proposed to go for autonomous status.**

• **It was proposed that the department of information Technology to apply for research centre recognition from Anna University, Chennai**

• **Five Internal faculty members have obtained Ph.D degree in 201819, which helps enhancement of quality in teaching**

• **Encouraged the faculty members to apply research proposals for funding from external Funding agencies and encouraged to write NPTEL exam organized by SWAYAM, New Delhi**

• **It was proposed to sign MoU with Info Top, China for International Internship for the benefit of students and Innovative promoting cell (IPC) of KLNCE funding for the student projects**

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
QCQE to ensure the use of ICT effectively, AAC to ensure during class sitting exercise, use of Moodle Server Google forms/IT Exam spot and other online tools.	**AAC conducted Class sitting and ensured the use of ICT by Faculty members. Also faculty members use moodle or Google forms for their courses**
Bridge course should be organised	**Bridge course was organised for First Year and Second year students**
Minimum one IPR workshop needs to be conducted every year	**IPR workshop was conducted on 30.11.2018 by MBA department**
International Certifications can be organised for the students	**International Certifications like Sales force was organised by CSE department**
Members of POSH & WEC have to organise the events at regular interval	**Events like Women's Economic Empowerment on Enhancing Participation of Women in Economic Development for Achieving Gender Equality and the Advancement of Women , Awareness program about legal rights of women. Awareness program on General Health**

	Care and events like Nationwide competition to create awareness about legal rights of women were organised by POSH cell. Event like Women's Day Celebration. Entrepreneurship Awareness Program For Women were organised by WEC
New best practices need to be identified	Collaboration with Industry Laboratories were identified as Best Practice
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Governing council meeting	**20-Dec-2019**

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**Yes**
Date of Visit	**20-Feb-2019**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2017**
Date of Submission	**07-Jan-2017**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**1. SMS gateway to send important notifications to student and parents and stake holders of the college 2. Communication of important information to general public through website and Conventional notices 3. Installation of RFID system in college library for better management. 4. Regular Up gradation of the college website 5. To procure computer systems and servicing and testing hardware services 6. Maintaining and upgrading the Firmware of network components, 7. Monitoring and upgrading the computer networks and systems and to provide network administration and support including WiFi devices. 8. Procure and developing software for the college administration, 9. implement and**

	Maintain Wireless Campus (WiFi) development, 10. Monitoring and Maintaining the UPS, CCTV Cameras to Whole campus, Staff Biometric Attendance. 11. Internet Connectivity (187Mbps) and Develop the web applications. Enhancing the Students and Parents to view the Marks, Attendance, Question Bank, etc

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

• 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. • Induction program is planned to educate the new entrants about the environment and culture of the institution, expose them to a sense of self exploration before the regular classes start. • Bridge course is planned to meet out the prerequisite for the core courses. • Every semester students are encouraged to register at least one course related to the courses in that semester through IIT Spoken Tutorial. • 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 counseled to 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 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Technologies of Software Development Web Applications	Nil	17/06/2019	8	Employabilit y	Nil
IIT Spoken Tutorial CPP	Nil	27/03/2019	60	Nil	Skill development
IIT Spoken Tutorial PHP and MySQL	Nil	27/03/2019	60	Nil	Skill development
IIT Spoken Tutorial SCILAB	Nil	20/03/2019	60	Nil	Skill development
IIT Spoken Tutorial Python	Nil	01/03/2019	30	Nil	Skill development
NPTEL Electric Vehicles PartI	Nil	25/02/2019	28	Nil	Skill development
NPTEL Cloud Computing	Nil	25/02/2019	56	Employabilit y	Skill development
IIT Spoken Tutorial Python	Nil	15/02/2019	120	Nil	Skill development
IIT Spoken Tutorial Arduino	Nil	14/02/2019	120	Nil	Skill development
IIT Spoken Tutorial Arduino	Nil	07/02/2019	120	Nil	Skill development
IIT Spoken Tutorial Java	Nil	07/02/2019	120	Nil	Skill development
IIT Spoken Tutorial RDBMS PostgreSQL	Nil	07/02/2019	120	Nil	Skill development
IIT Spoken Tutorial Introduction to Computers	Nil	01/02/2019	42	Nil	Skill development
IIT Spoken Tutorial QCAD	Nil	01/02/2019	42	Nil	Skill development

IIT Spoken Tutorial Python	Nil	01/02/2019	42	Nil	Skill development
NPTEL Electrical machines II	Nil	28/01/2019	84	Nil	Skill development
NPTEL Surface engineering for corrosion and wear resistance application	Nil	28/01/2019	84	Nil	Skill development
NPTEL IC engines and gas turbines	Nil	28/01/2019	84	Nil	Skill development
NPTEL Rapid manufacturing	Nil	28/01/2019	84	Nil	Skill development
NPTEL Electric vehicles part 1	Nil	28/01/2019	28	Nil	Skill development
NPTEL Sustainable engineering concept and life cycle analysis	Nil	28/01/2019	28	Nil	Skill development
NPTEL Basics of finite element analysisI	Nil	28/01/2019	56	Nil	Skill development
NPTEL Antennas	Nil	28/01/2019	84	Nil	Skill development
NPTEL Computer Architecture and Organization	Nil	28/01/2019	84	Nil	Skill development
NPTEL Microprocessors and Microcontroller	Nil	28/01/2019	84	Nil	Skill development
NPTEL Problem solving through Programming In C	Nil	28/01/2019	84	Nil	Skill development
NPTEL Programming	Nil	28/01/2019	84	Nil	Skill development

in Java					
NPTEL Introduction to remote sensing	Nil	28/01/2019	28	Nil	Skill development
NPTEL Engineering Mechanics statics and dynamics	Nil	28/01/2019	56	Nil	Skill development
IIT Spoken Tutorial Python, Java	Nil	25/01/2019	60	Nil	Skill development
NPTEL Programming in CPP	Nil	22/01/2019	56	Nil	Skill development
IIT Spoken Tutorial Python	Nil	21/01/2019	60	Nil	Skill development
IIT Spoken Tutorial Java	Nil	21/01/2019	60	Nil	Skill development
IIT Spoken Tutorial RDBMS PostgreSQL	Nil	09/01/2019	60	Nil	Skill development
IIT Spoken Tutorial Linux	Nil	02/01/2019	60	Nil	Skill development
IIT Spoken Tutorial Java	Nil	02/01/2019	120	Nil	Skill development
IIT Spoken Tutorial RDBMS PostgreSQL	Nil	02/01/2019	120	Nil	Skill development
IIT Spoken Tutorial Scilab	Nil	02/01/2019	120	Nil	Skill development
IIT Spoken Tutorial Linux	Nil	02/01/2019	60	Nil	Skill development
AWS Cloud Practitioner Cloud Computing	Nil	03/12/2018	5	Employabilit y	Skill development
IIT Spoken Tutorial Infosys campus connect program V	Nil	10/10/2018	5	Nil	Skill development

5.0					
AWS Cloud Practitioner Cloud Computing	Nil	01/10/2018	5	Employabilit y	Skill development
IIT Spoken Tutorial C and CPP	Nil	24/09/2018	60	Nil	Skill development
IIT Spoken Tutorial ARDUINO	Nil	12/09/2018	60	Nil	Skill development
IIT Spoken Tutorial Introduction to Computers	Nil	12/09/2018	60	Nil	Skill development
IIT Spoken Tutorial PYTHON	Nil	10/09/2018	60	Nil	Skill development
IIT Spoken Tutorial Introduction to computers	Nil	03/09/2018	90	Nil	Skill development
NPTEL Introduction to machine learning	Nil	26/08/2018	56	Employabilit y	Skill development
NPTEL Introduction to programming in C	Nil	26/08/2018	56	Nil	Skill development
NPTEL Database management system	Nil	23/08/2018	56	Nil	Skill development
NPTEL Programming in CPP	Nil	23/08/2018	56	Nil	Skill development
NPTEL Programming, Data structures and Algorithms using Python	Nil	23/08/2018	56	Employabilit y	Skill development
NPTEL Stress management	Nil	13/08/2018	28	Employabilit y	Nil
NPTEL Gender justice and workplace security	Nil	13/08/2018	28	Employabilit y	Nil
IIT Spoken	Nil	03/08/2018	120	Nil	Skill

Tutorial C Programming					development
IIT Spoken Tutorial CPP Programming	Nil	03/08/2018	120	Nil	Skill development
IIT Spoken Tutorial LINUX	Nil	03/08/2018	120	Nil	Skill development
IIT Spoken Tutorial PYTHON Programming	Nil	03/08/2018	120	Nil	Skill development
IIT Spoken Tutorial PHP and MySQL	Nil	01/08/2018	120	Nil	Skill development
NPTEL Introduction to IOT	Nil	30/07/2018	84	Nil	Skill development
NPTEL Problem solving through programming in c	Nil	30/07/2018	84	Nil	Skill development
NPTEL Fundamentals of manufacturing processes	Nil	30/07/2018	84	Nil	Skill development
NPTEL Computer networks and internet protocol	Nil	30/07/2018	84	Nil	Skill development
NPTEL Digital circuits	Nil	30/07/2018	84	Nil	Skill development
NPTEL Fundamental of Electrical Engineering	Nil	30/07/2018	84	Nil	Skill development
NPTEL Power system analysis	Nil	30/07/2018	84	Nil	Skill development
NPTEL The joy of computing using python	Nil	30/07/2018	84	Nil	Skill development
NPTEL Engineering metrology	Nil	30/07/2018	84	Nil	Skill development

IIT Spoken Tutorial ARDUINO	Nil	16/07/2018	120	Nil	Skill development
IIT Spoken Tutorial C	Nil	16/07/2018	120	Nil	Skill development
IIT Spoken Tutorial CPP	Nil	16/07/2018	120	Nil	Skill development
IIT Spoken Tutorial Python	Nil	16/07/2018	120	Nil	Skill development
IIT Spoken Tutorial, Python, CPP and Java	Nil	13/07/2018	60	Nil	Skill development
IIT Spoken Tutorial Java	Nil	02/07/2018	120	Nil	Skill development
IIT Spoken Tutorial Introduction to Computers	Nil	02/07/2018	120	Nil	Skill development
IIT SPOKEN TUTORIAL C and CPP	Nil	02/07/2018	60	Nil	Skill development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
No Data Entered/Not Applicable !!!		

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	1499	0

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Core JAVA	17/06/2019	56
Oracle Certified Java Programme	17/06/2019	75
CCNA,OS and Embedded Training	20/05/2019	47

Java, PHP and Android Training	20/05/2019	62
Workshop on "Web Application Development using Spring and Django"	05/03/2019	57
Workshop on "ANDROID Mobile Application Development"	07/02/2019	57
Soft Skill Training	12/02/2019	58
Soft Skill Training	05/02/2019	50
All India seminar on Green manufacturing	01/02/2019	50
Earning Through Trading	28/01/2019	56
Two day All India Seminar on GATEWAY TO FEA in Mechanical design	04/01/2019	42
C training through ICT Academy	26/12/2018	100
C and CPP Programming and its applications	10/12/2018	100
Workshop on "HADOOP and Big data Analytics"	26/09/2018	16
Economic Analysis for Business	24/09/2018	50
Two day skill enhancement Programme on ANSYS CFD	08/09/2018	25
Java Programming	28/08/2018	60
Workshop on "IoT its Real Time Applications"	27/08/2018	57
Technical training programme on "Heating ventilation Air conditioning	15/08/2018	12
Workshop on Deep Learning – Artificial Intelligence for Visual perception	05/07/2018	23
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Mechanical Engineering	25
BE	Electrical and Electronics Engineering	3
BE	Electronics and Communication Engineering	31
BE	Computer Science and Engineering	22

BTech	Information Technology	9
MBA	NIL	57
MCA	NIL	48

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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

The feedback is obtained from the students, faculty members, employers, alumni and parents. The analysis and utilization process is carried out as given below. • Students Communication sent to staff and students about the procedure for getting online student feedback on faculty, Lab Incharge, Lab Assistant and College facilities a week before the process. HODs / Senior staff addresses the students regarding the significance of such feedback system. Online student feedback about faculty, Lab Incharge, Lab Assistant and College facilities are obtained once in a semester, as per the schedule given in the academic calendar. Information Systems Support Group (ISSG) facilitates the student's feedback collection process through online after collecting the necessary information from all the departments. Feedback is obtained from students, and their attendances are recorded. Students will fill the mark ranging from 10 (Excellent) to 2 (Poor) and will submit for final consolidation. Students feedback about individual faculty member is analyzed by Quality Circle Successful Graduation Convenor and performance review meeting is conducted for the faculty who have secured less than class average. A Performance review is conducted by a team allotted by the principal along with Head of the Department to motivate the faculty members towards scoring higher student appraisal. Head of the Department along with overall lab incharge analyzed the feedback about lab incharge and lab assistants and motivate them to satisfy the students requirements towards acquiring technical skills. Feedback on college facilities are obtained from the students are analyzed and the summary is sent to the Management Representative / ISO for further action. The least attained criteria, from all the departments are discussed during the Management Representative Meeting of ISO for further improvement. • Faculty Members Feedback on college facilities are obtained from the faculty members are analyzed and the summary is sent to the Management Representative / ISO for further action. The least attained criteria, from all the departments are discussed during the Management Representative Meeting of ISO for further improvement. • Employers Employers feedback is obtained by Training and Placement officer during campus placements regarding attitude and skills of the students. The feedback is analysed and utilized to improve the students performance in the subsequent recruitments. • Alumni Feedback from alumni obtained during alumni meeting are analysed and considered to prepare the students to meet the industry expectations. • Parents Parents Teachers meeting is conducted once in a semester. During the meeting the feedback is obtained regarding college facilities. The summary is sent to the Management Representative / ISO for further action. The least attained criteria, from all

the departments are discussed during the Management Representative Meeting of ISO for further improvement.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
ME	Computer Science Engineering	24	0	0
ME	Computer Science Engineering (Networks)	18	0	0
MBA	Master of Business Administration	60	70	51
MCA	Master of Computer Applications	60	15	14
BE	Mechanical Engineering	120	56	48
BE	Electrical and Electronics Engineering	120	46	39
BE	Electronics and Communication Engineering	120	75	57
BE	Computer Science and Engineering	120	115	102
BTech	Information Technology	90	75	56
BE	Automobile Engineering	60	10	7
BE	Electronics and Instrumentation Engineering	60	10	3
ME	CAD/CAM	18	2	1
ME	Power Systems Engineering	24	7	6
ME	Communication Engineering	18	3	2
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of	Number of	Number of	Number of	Number of

	students enrolled in the institution (UG)	students enrolled in the institution (PG)	fulltime teachers available in the institution teaching only UG courses	fulltime teachers available in the institution teaching only PG courses	teachers teaching both UG and PG courses
2018	2036	246	169	30	37

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Toolsand resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
206	140	10	61	4	7

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Students' counselors (Faculty) are assigned for every 25 students, at the time of admission. Each student counselor maintain a diary contains details of students such as Date of Birth, Address for communication, Mobile number of their parents, marks obtained in the qualifying examinations etc. all to be filled by the students. The students counselor diary contains details of marks secured by the students in the Centralized Internal Test, attendance, CGPA secured in the Anna University examinations, course wise and semester wise, from first semester to eighth semester. Attendance shortage, if any, poor performance in the internal tests / Anna University examinations etc. will be commented by the student counselor in the appropriate places of the student counselor diary. It will be reviewed by HOD once in a semester to check the consistency of entry of various details. Disciplinary action taken, if any, the undertaking given by the students will be attached in the student counselor diary, so that it can be referred immediately for future reference. Student counselor meeting is conducted twice in a semester to check the updation of details in the diary as well as to counsel the students. The student counselor, continuously monitor the progress of the students and their suggestions brings betterment of the students in future. • As a result of the continuous monitoring of the students, by the mentor, students attendance are well maintained in the range of 95 and more. • No disciplinary incidents reported in the past due to continuous counseling. • Malpractices in the internal test / Anna University examinations is almost nil. • Career guidance classes conducted increases confidence level of the students during placements. The entire process of student mentoring system has been described below. Mentoring Systems Activities: Total Development Authorities : College Students' Counselor, Student Care Centre Roles and Responsibilities: Counsel the students and give Guidance regarding the Poor performance, lagging for slow learners Give suggestions to improve the performance. Behavior and Ethics guidelines to Students. Higher Education opportunities in abroad Inculcating discipline and cultural performance to students. Documents maintained for the mentoring process: Counseling Register, Meeting file of students. Frequency of meeting: Once in a semester. Mentoring Systems Activities :Professional Guidance Authorities : Head of the Department, Academic Coordinators Roles and Responsibilities: Give awareness regarding career development, Internship and Industrial Trainings. Give suggestions to improve their technical aspects, Give orientation for higher education. Documents maintained for the mentoring process: Students profile, Students academic performance. Frequency of meeting: Once per month. Mentoring Systems Activities: Career Advancement Authorities : Institution TPO, Department Placement Officer Roles and Responsibilities: Arrange campus recruitment drives and Training Identification of personality development training. Identification of required core technical training Documents maintained for the mentoring process: TPO files, Training Participation record, National Renowned exams, Participation Record Frequency of meeting: Once per month, As and when required.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2282	206	1:12

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D

176	206	0	5	65

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr.B. Buvaneswari	Associate Professor	Outstanding Contribution appreciated by IIT Bombay for spreading awareness and holding software training workshops.
2018	Mr. R. AnandhaMurugan	Assistant Professor	Demonstrating Competence, Fundamentals of Deep Learning For Computer Vision, NVIDIA
2018	Dr. K.Gnanambal	Professor	Best women Engineer in the Electrical Engineering Division, Institution of Engineers (India)
2018	Mr.A. Manoj	Assistant Professor	Best Performer (Nov 2018) Organized Drish Texas Instuments events for the college students
2018	Dr. R. Alageswaran	Professor	Helping hearts Award Service to the Society IALC
2018	Mr.M.Satheesh Kumar	Assistant Professor	Young Achiever award 2018 Received from IEAE
2018	Dr.S.Venkatanarayanan	Professor	Convener 5th International Conference on Emerging Trends in Multi disciplinary Research, NUS, Singapore.
2019	Dr.P.Sabarinath	Associate Professor	NPTEL Elite with 5 topper on Principles of casting technology
2019	Mrs.B.Devi	Assistant Professor	NPTEL Elite with topper (5)on Total quality management

				I
2019	Dr.A.P.S. Ramalakshmi	Assistant Professor	NPTEL Elite Silver on Electric Vehicles part I
2019	Mrs.K.R.Jeyavelumani	Assistant Professor	NPTEL Elite Silver (Topper 5) on Electric Vehicles part 1
2019	Dr. K. Gnanambal	Professor	NPTEL Elite (Topper 2) Electrical Distribution System Analysis
2019	A. Marimuthu	Associate Professor	NPTEL Elite (Topper 5) Electrical Distribution System Analysis
2019	N.VimalRadhaVignesh	Assistant Professor	NPTEL EliteGold (Topper5) Power System Analysis
2018	Dr.V.Kejalakshmi	Professor	NPTEL active SPOC award
2019	S.Brindha	Assistant Professor	NPTEL ELITE and second topper national level on Outcome Based Pedagogic Principles for Effective Teaching".
2019	Dr.R.M. Satheesh kumar	Professor	NPTEL EliteGold Medal (Topper)
2019	Dr.J.Rajesh Babu	Associate Professor	NPTEL EliteGold Medal (Topper)
2019	Mr. G.S. Santha Venkatesh	Assistant Professor	NPTEL EliteGold Medal (Topper)
2019	Dr. A. Kannan	Professor	NPTEL – EliteGold Topper (5) on Programming in Java
2019	R.Uma Maheswari	Assistant Professor	NPTEL – Elite Silver (5) on "Programming in C".
2018	Dr.M.Mahalakshmi	Assistant Professor	NPTEL Elite (Topper 1) Introduction to Smart Grid
View File			

2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-	Date of declaration of results of semester-

			end examination	end/ year- end examination
MBA	631	I sem (first year)	11/01/2019	14/02/2019
MCA	621	I sem (first year)	11/01/2019	14/02/2019
ME	402, 411, 403, 405, 492	II sem (I year), IV sem (second year)	22/05/2019	24/06/2019
MBA	631	II sem (I year), IV sem (second year)	22/05/2019	24/06/2019
MCA	621	II sem (I year), IV sem (second year), VI sem (third year)	22/05/2019	24/06/2019
BE	114, 105, 106, 104, 102, 107	III sem (second year), V sem (third year), VII sem (final year)	30/11/2018	12/01/2019
BTech	205	III sem (second year), V sem (third year), VII sem (final year)	30/11/2018	12/01/2019
BE	114, 105, 106, 104, 102, 107	I sem (first year)	11/01/2019	14/02/2019
BTech	205	I sem (first year)	11/01/2019	14/02/2019
BE	114, 105, 106, 104, 102, 107	II sem (I year), IV sem (second year), VI sem (third year), VIII sem (final year)	22/05/2019	24/06/2019
BTech	205	II sem (I year), IV sem (second year), VI sem (third year), VIII sem (final year)	22/05/2019	24/06/2019
ME	402, 411, 403, 405, 492	III sem (second year)	30/11/2018	12/01/2019
MBA	631	III sem (second year)	30/11/2018	12/01/2019
MCA	621	III sem (second year), V sem (third year)	30/11/2018	12/01/2019
ME	402, 411, 403,	I sem (first	11/01/2019	14/02/2019

| | 405, 492 | year) | | |

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

• Schedule of Internal examinations (class test, centralized internal test), Model theory and practical examinations are published in the Academic calendar, and uploaded in the college website for staff and students reference, one week before the commencement of the classes. • Examination Management Cell (EMC) holds the responsibility for continuous internal evaluation system, throughout the semester. Meeting of the EMC members conducted, regularly, procedures for the conduct of internal examinations discussed, including guidelines for invigilation duty, question paper pattern, discipline norms for the students, malpractices and punishments, automation entry of internal marks, submission of result analysis, disciplinary action taken, question paper scrutiny, etc. • Internal Test question papers are set following Bloom's Taxonomy. • The answer scripts of Continuous Internal Evaluation are given back to the students after evaluation. • The evaluated answer scripts are distributed to the students within three working days, performance is discussed in the class rooms and class committee meeting. • The marks are entered in college automation as well as in the Anna University web portal as per the schedule, for verification. • The internal examination results are analyzed by the HOD during faculty meeting and HOD's meeting, proper remedial action is taken such as conduct of Retest, Remedial Class, Counseling for Slow and Fast learners, etc. • Provision for applying for revaluation and review of answer scripts of Anna University examinations exist, as per Anna university regulations, i.e., revaluation, review.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

• Academic calendar of the college is prepared, every semester (Odd semester during the month of June and Even semester during the month of December) in accordance with the academic schedule of the Anna University. • Academic Calendar of the college is published in the college website, one week before the commencement of the classes, and also mailed to department mails for staff and students reference. Hard copy of the academic schedule is also displayed in the college and department notice board. • List of public holidays, parentsteacher meeting, founders day, sports day, college annual day, graduation day, tentative dates for state/National level technical symposium, National/International conferences, etc, are included in the academic calendar of the college. • Schedules of commencement of the classes, Last working day, commencement of practical examinations, commencement of end semester examination and reopening day for the next semester are given in the academic calendar. • Schedules of Faculty meeting, Course committee meeting, Class Committee meeting, Student's counselor meeting, Administrative committee meetings of NBA, NAAC are included. • Internal test – class test/centralized internal test, Model practical/Theory examinations, Retest, Remedial classes schedules are available with the academic calendar. • Commencement of classes for the next semester is also included in the academic calendar. • Academic calendar discussed in the HODs meeting, Faculty meeting and class committee meeting so as to disseminate various schedules and to plan college/department/administrative cells activities accordingly.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

http://www.klnce.edu

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
114	BE	Mechanical Engineering	129	100	77.52
105	BE	Electrical and Electronics Engineering	101	89	88.12
106	BE	Electronics and Communication Engineering	112	83	74.11
104	BE	Computer Science and Engineering	103	86	83.50
205	BTech	Information Technology	62	51	82.26
102	BE	Automobile Engineering	56	28	50.00
107	BE	Electronics and Instrumentation Engineering	34	26	76.47
402	ME	CAD/CAM	0	0	0
411	ME	Power Systems Engineering	0	0	0
403	ME	Communication Engineering	2	1	50.00
405	ME	Computer Science Engineering	3	3	100
492	ME	Computer Science Engineering (Networks)	3	3	100
631	MBA	Master of Business Administration	57	34	59.65
621	MCA	Master of Computer Applications	57	15	26.32
			View File		

2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

http://www.klnce.edu/download/2019%20-%202020/college_facility.html

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Projects sponsored by the University	365	Quality Circle Adavanced Research and Development, KLNCE	0.25	0.25
Projects sponsored by the University	365	Quality Circle Adavanced Research and Development, KLNCE	0.25	0.25
Projects sponsored by the University	365	Quality Circle Adavanced Research and Development, KLNCE	0.3	0.3
Projects sponsored by the University	1095	Quality Circle Adavanced Research and Development, KLNCE	0.1	0.1
Students Research Projects (Other than compulsory by the University)	182	IEI	0.1	0.1
Students Research Projects (Other than compulsory by the University)	182	IEI	0.1	0.1
Students Research Projects (Other than compulsory by the University)	120	KLNCE	0.15	0.15
Students Research Projects (Other than compulsory by the University)	120	KLNCE	0.15	0.15

Major Projects	1095	Department of Science Technology (DST)	36.65	26.63
Minor Projects	365	Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE), New Delhi	0.29	0.29
Minor Projects	365	Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE), New Delhi	0.25	0.25
Minor Projects	182	Tamilnadu State Council for Science and Technology (TNSCST), Chennai	0.08	0.08
Interdisciplinary Projects	365	Quality Circle Adavanced Research and Development, KLNCE	0.5	0.08
Projects sponsored by the University	365	Quality Circle Adavanced Research and Development, KLNCE	0.2	0.2
Projects sponsored by the University	365	Quality Circle Adavanced Research and Development, KLNCE	0.12	0.12
Projects sponsored by the University	365	Quality Circle Adavanced Research and Development, KLNCE	0.25	0.25
Projects sponsored by the University	182	Quality Circle Adavanced Research and Development, KLNCE	0.65	0.65
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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Workshop on "HADOOP and Big data Analytics"	MCA	26/09/2018
Workshop on "Android Application Development"	MCA	29/11/2018
Digital India Through Solid Modeling and 3D printing Techniques For Indian Industries	Mechanical	06/06/2019
Digital India Through Solid Modeling and 3D printing Techniques For Indian Industries	Mechanical	19/06/2019
Green Manufacturing	Mechanical	01/02/2019
State level students project contest MECHPRO 2k'19	Mechanical	20/03/2019
Energy Management And Energy Conservation	Mechanical	26/03/2019
All India Seminar on Gate way to FEA in mechanical Design	Mechanical	04/01/2019
Skill Enhancement Programme on"ANSYS CFD"	Mechanical	08/09/2018
Two Days Skill enhancement Programme on fluidsim with cascading applications	Mechanical	01/07/2018
10 days Value Added Course on "Oracle Certified Java Programmer"(OCJP)	EEE	17/06/2019
5 days Value Added Course on "Core Java "	EEE	17/06/2019
Six Day Faculty Development Training Programme on Electrical MachinesI"	EEE	20/05/2019
5 days AICTE ISTE Refresher Programme /STTP"Enhancement of Smart Grid to Smart Cities"	EEE	06/05/2019
Expert Talk Solution of Economic Dispatch and Unit Commitment problem using Optimization Techniques SCADA"	EEE	02/03/2019

Expert Talk"Harmonics issues in AC machines using starters and PV cell"	EEE	02/03/2019
Expert Talk on Variable frequency Drives and Recent trends in Power System Scenario	EEE	25/02/2019
Workshop/CSR Renewable Energy , Conservation of Electrical Energy Safety	EEE	30/01/2019
Mini Project	EEE	25/01/2019
Workshop on "TI Robotics Systems Lab kit (RSLK)using MSP432"	EEE	24/01/2019
Personality Development Programmeon "Professional Ethics in Electrical Engineering"	EEE	19/01/2019
YUVA Inauguration(CII and YI) Qualities and Expectations of an employer while hiring	MBA	02/08/2018
Entrepreneurship and Business Development	MBA	28/07/2018
Orientation program on Vibrant Tamilnadu – Global Expo and summit	MBA	24/07/2018
One Day Workshop on "3R AND ISO 14000"	AUTO	15/02/2019
One day workshop on " Catia for integrated solutions"	AUTO	18/07/2018
Workshop on "Mobile Application Development"	MCA	07/02/2019
Workshop on "Web Application Development using Spring and Django"	MCA	05/03/2019
Mini project contest	EEE	08/09/2018
"On Diesel Conservation tips and Good Maintenance Practices for Bus Drivers"In Coordination with PCRA.	EEE	16/10/2018
"Implementation of Digital system for controlling renewable Energy""Realization of Power Electronic converter in Distributed Power system"	EEE	16/08/2019

"Implementation of Micro Electro Mechanical System Devices in Bio Medical Engineering Applications""Realization of Digital Controllers for Distributed Genertation Systems	EEE	13/08/2019
"Investigate analysis of Power quality in distribution System" Resource Person:	EEE	11/08/2018
"Energy Audit and its Importance"Resource Person:	EEE	08/08/2019
Conservation of Electrical energy,Safety and importance of earthing	EEE	14/07/2018
C, C plus plus and its Applications	EEE	10/12/2018
Two days workshop on "Effective Use of ICT tools in Engineering education" , organized by Quality CircleQuality Education, KLNCE	EEE	09/11/2018
"EC6711 – Embedded Systems Laboratory"	ECE	27/06/2019
Arduino Basics	ECE	26/06/2019
Video and Audio processing	ECE	09/03/2019
Data Science and Machine Learning	ECE	24/06/2019
Machine Learning Algorithms using Matlab	ECE	23/01/2019
Effective use of ICT TOOLS in Engineering education under QCQE	ECE	09/11/2018
IOT and its Applications	ECE	13/07/2018
Xilinx Vivado Design Flow High Level synthesis flow using Zynq	ECE	25/09/2018
CSIR Sponsored"A Deep Dive into Edge Computing Architecture and Future of Data Analytics"	CSE	29/05/2019
5 days ICTACT Sponsored FDP on Declarative Mobile App Development	CSE	25/03/2019

ICTACT supported Workshop on AWS Master Class	CSE	17/05/2019
IIPC Sponsored Personality Development Program	CSE	28/03/2019
WomenS Economic Empowerment: Enhancing Participation of Women in Economic Development for Achieving Gender Equality and the Advancement of Women	CSE	21/03/2019
IIPC Sponsored Expert Talk on Software Testing	CSE	15/03/2019
IIPC sponsored Introduction to Android and IOS	CSE	14/03/2019
IIPC Sponsored Competency Development Program Introduction to IOT	CSE	04/03/2019
IIPC Sponsored One day Technical Festival "techno Waves19	CSE	19/01/2019
Introduction to Python	CSE	28/12/2018
Yoga Class	CSE	03/07/2018
One day workshop on "Computational Fluid Dynamics"in Association with Future Technologies	AUTO	24/08/2018
"Awareness program on legal rights of women"	EIE	20/12/2018
IOT challenges contest	EIE	01/09/2018
CLAD Preparatory Training Program	EIE	01/12/2018
Workshop on "JAVA PROGRAMMING"	IT	29/08/2018
Master your English	MBA	02/04/2019
Enterprising skills	MBA	21/03/2019
Training and Development	MBA	16/03/2019
Certificate program on GST and Tax filing for accounting professionals	MBA	06/03/2019
Earning Through Trading	MBA	28/01/2019
Intellectual Property Rights	MBA	30/11/2018
Corporate tax planning and GST	MBA	19/11/2018
Talent Transformation	MBA	27/10/2018

Sale of goods and negotiable instrument act	MBA	13/10/2018	
An overview of securities market and mutual funds	MBA	05/10/2018	
Vibrant Tamilnadu program – Certificate Distribution organized by Tamilnadu Chamber of Commerce, Madurai	MBA	27/09/2018	
Economic analysis for business decisions	MBA	24/09/2018	
Employability Skills for Navarathna companies	MBA	04/09/2019	
Challenges and opportunities of energy sector	MBA	30/08/2018	
Global Opportunities and challenges for MBA graduates	MBA	28/08/2018	
Workshop on Deep Learning – Artificial Intelligence for Visual perception	MCA	05/07/2018	
Workshop on "IoT ands its Real Time Applications"	MCA	27/08/2018	

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Project Presentation in "ALCONESY 2k18" Symposium conducted by EEE Association	R.S.Varsha	Alagappa Chettiar Government College of Engineering and Technology, Karaikudi.	12/09/2018	Project
Technical Quiz in "ALCONESY 2k18" Symposium conducted by EEE Association	R.S.Varsha	Alagappa Chettiar Government College of Engineering and Technology, Karaikudi	12/09/2018	Technical quiz
Technical Quiz in "ALCONESY 2k18" Symposium conducted by EEE Association	K.H.Umamaheswari	Alagappa Chettiar Government College of Engineering and Technology, Karaikudi.	12/09/2018	Technical quiz
Project Presentation in "ALCONESY 2k18" Symposium	K.H.Umamaheswari	Alagappa Chettiar Government College of	12/09/2018	Project

conducted by EEE Association		Engineering and Technology, Karaikudi		
Project Display at National Level Technical Colloquium EVATAR'19 organized by EEE Dept	Ram Praveen Babu.T.S	Kamaraj College of Engineering and Technology	25/01/2019	Project
Smart and Intelligent water supply system	S.Subhasri, C.Varshini	Mepco Schlenk Engineering College,Sivakasi	08/02/2019	Project
Paper Presentation of TECH XPLORE 2019	K.Mathubala, U.Priyadarshini	Sethu Institute of Technology, Kariapatti	13/02/2019	Project
Project presentation in TRONICSWAR'19,A national level technical symposium by dept of EEE	P.K.Tharun Ashish Rithu	K.L.N College of Information Technology, Pottapalayam	28/02/2019	Project
Outstanding Contribution appreciated by IIT Bombay for spreading awareness and holding software training workshops.	Dr. B. Buvaneswari	IIT Bombay	25/05/2019	Education
Demonstrating Competence, Fundamentals of Deep Learning For Computer Vision, NVIDIA	Mr. R. Anandhamurugan	NVIDIA	13/02/2019	Industry
Outstanding Contribution in reviewing award	Dr. A.N. Balaji	Elsevier	01/11/2018	Research
Student Innovator Award 2018	Meenakshi, Mathumitha, Preetha, Pavithra, Sreeja,	ICTACT	09/01/2019	Innovation
Top 10 in Project Innovation Contest PIC2018	S.R.Ishwarya, C.R.Arati, Harshini.N.B., Bavyamanasa, Deepikasri	Kanlinga institute of industrial technology, Odisha	12/01/2019	Project

Design and Fabrication of bore well rescue equipment	M.ARUN KUMAR RK.PONSANKARA NAVEENI.PRADEEP KUMAR	Mechpro19, K.L.N.College of Engineering	20/03/2019	Project
Design and Fabrication of automated power hacksaw using gear drive and feed mechanism	P.V.VENGADESH PRASATH R.YASHWANTH K.SEKAR	Mechpro19, K.L.N.College of Engineering	20/03/2019	Project
Design and Fabrication of multipurpose agricultural equipment	L. MUTHUPANDI M.MARIMUTHU R.PRASANNA M.MUTHUKUMAR	Mechpro19, K.L.N.College of Engineering	20/03/2019	Project
Fabrication of Hybrid Power Tiller	E. Arun Maharaja, K. Bharathi sreenivash, A. Mohamed Rameez	K.L.N.College of Engineering	22/03/2019	Project
Design and Fabrication of Battery Powered EBike	V. Hari ram, S. K. Ajay, S. Syed Ajim	K.L.N.College of Engineering	20/03/2019	Project
[View File](#)				

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Technology Business Incubator	KLNCE TBI	MSME	VIRTUAL GODOWN TECHNOLOGY	IT COMPANY	02/07/2018
[View File](#)					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	14

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Mechanical Engineering	6
Electrical and Electronics Engineering	2
Electronics and Communication Engineering	4
Computer Science and Engineering	1
Electronics and Instrumentation Engineering	1
Information Technology	1

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	EIE	3	0
International	IT	17	0.22
National	Physics	6	2.36
International	MBA	1	0
International	Mechanical	18	1.81
International	EEE	18	0
International	ECE	5	0.56
International	CSE	9	0.75
International	Automobile	1	0
International	Mathematics	2	0.34
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Mechanical	13
EEE	37
ECE	37
CSE	2
AUTOMOBILE	1
EIE	3
IT	5
MBA	3
MCA	2
PHYSICS	1
View File	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Performance Characteristics of a CI engine with methyl Ester of Neem oil and Bitter oil A comp	J.Rajesh Babu R.M.Satheesh Kumar S. Mohamed Jameen L.Vivek krishnakumar	International Journal of Research	2019	0	K.L.N. College of Engineering	0

arative study						
Design of optimal Controllers for a Magnetic Levitation system	Prof.S.Nagammai,HOD/EIE	Journal of applied science and computations	2019	0	K.L.N. College of Engineering	0
DC servo motor position control for sliding Mode control approach	Dr.S.Balamurugan, Mr.V.Aravindarajan	Journal of applied science and computations	2019	0	K.L.N. College of Engineering	0
IoT based monitoring and control of irrigation Automation	Mr.V.Aravindarajan AP/EIE	Journal of applied science and computations	2019	0	K.L.N. College of Engineering	0
A review on Machine Learning	Dr. R. Alageswaran	Pramana Research Journal	2019	0	K.L.N. College of Engineering	0
Performance and Analysis of Trans multiplexers using Decimator and Interpolator	Dr.P.Ganesh Kumar	Journal of Circuits, systems and Computers(JCSC), World Scientific Publishing Company	2019	0	K.L.N. College of Engineering	0
User Profiling Bases On Sentiment Analysis of Twitter Data	Dr.G.Ramesh	International journal for Scientific Research Development	2019	0	K.L.N. College of Engineering	0
High Efficient Prediction of Anomaly using HTBRM in online network	Dr.G.Ramesh	International journal for Research Development in Technology,	2019	0	K.L.N. College of Engineering	0
Improving Cluster efficiency	Dr.J.S.Kanchana	International Journal	2019	0	K.L.N. College of Engineering	0

by density based approach using Hybrid optics		for Scientific Research and Development			g	
Efficient Way of Flooding Avoidance using ASFA lgorithm in Wireless Data Centers	Dr.J.S.Kan chana	International Journal of Research in Engineering, Science and Management (IJRESM)	2019	0	K.L.N. College of Engineering	0
Effective Feature Selection Strategy for Healthcare Analysis using SVM and MLP	Mr. S. Ilangovan	International Journal of Research in Engineering, Science and Management (IJRESM)	2019	0	K.L.N. College of Engineering	0
Qualitybased pattern C2 code scorelevel fusion in multimodal biometric authentication system using pattern net	Mr. S. Ilankumaran	Springer – Soft computing	2019	0	K.L.N. College of Engineering	0
Multi Biometric Authentication Using Finger Vein and Palm Print	Mr. S. Ilankumaran	International Journal for Scientific Research and Development	2019	0	K.L.N. College of Engineering	0
E Valuating Using Natural Language Processing	Mr.C.Pandian	International Journal of Research in Engineering, Science and Management	2019	0	K.L.N. College of Engineering	0

		(IJRESM)					
Garbage Monitoring System Using IOT	C.Manjula Devi	International Journal of Research in Engineering, Science and Management (IJRESM)	2019	0	K.L.N. College of Engineering	0
Eco Friendly Vehicle Pollution Detection and Controlling system using IOT	S.Padma Priya	International Journal of Research in Engineering, Science and Management (IJRESM	2019	0	K.L.N. College of Engineering	0
Vision Based Autonomous Navigation Robot	J.Karthikeyan	Research in Engineering, Science and Management (IJRESM	2019	0	K.L.N. College of Engineering	0
Gesture Control Surveillance Robot(GESBOT)	J.Karthikeyan	Research in Engineering, Science and Management (IJRESM	2019	0	K.L.N. College of Engineering	0
Energy conservation in Mobile Adhoc network using enhanced fitness function	S. Vijayasharmila	International Journal for Scientific Research and Development	2019	0	K.L.N. College of Engineering	0
Efficient Traffic Scheduling and Congestion Control Mechanism in Wireless Networks	J.Gautam	International Journal for Scientific Research and Development	2019	0	K.L.N. College of Engineering	0
An Intelli	R.Somas	TAGA	2018	2	K.L.N.Coll	0

gent Class ification System for Diagnosing MRI Brain Images using Modified FCM and SVM	Kandan	JOURNAL			ege of Eng ineering	
Women apparels market research, trend and analysis of consumer behavior	Dr. K.G. Nalina Mr. B. Palaniv elrajan	Internatio nal journal of research and analytical reviews (IJRAR)	2019	0	K.L.N.Coll ege of Eng ineering	0
Mobile marketing service trends to watch in 2019 to get your business on board	Dr. K.G. Nalina Mr. B. Palaniv elrajan	Journal of management research and analysis (JMRA)	2019	0	K.L.N.Coll ege of Eng ineering	0
Symmetries and invarient solutions of the two dimensiona l variable coefficent generalise d burgers equation	J.K. SUBASHINI	Journal of Applied science and Comput ations	2019	0	K.L.N.Coll ege of Eng ineering	0
A Hybrid Feature Selection Method for Effective Data Class ification in Data Mining App lications	Mr. S. Ilangovan	Internatio nal Journal of Grid and high perfo rmance computing Springer	2019	0	K.L.N. College of Engineerin g	0
Generalize d knot symmetric Algebras	R. SELVARANI	Proceeding s of the national Academy of Sciences, India	2018	0	K.L.N. College of Engineerin g	0

Properties of ternary photonic crystal consisting of dielectric/ plasma/ dielectric as a lattice period	N.R. Ramanujam	Optik	2019	1	K.L.N. College of Engineering	1
Extraction of cellulose nano fibers from cocos nucifera var aurantiaca peduncle by ball milling combined with chemical treatment	N.R. Ramanujam	Carbohydrate Polymers	2019	0	K.L.N. College of EngineeringK.L.N. College of EngineeringK.L.N. College of EngineeringK.L.N. College of Engineering	0
Analysis of photonic band gap in photonic crystal with epsilon negative and double negative materials	N.R. Ramanujam	Optik	2019	2	K.L.N. College of Engineering	2
Extension of energy band gap in ternary photonic crystal using lefthanded materials	N.R. Ramanujam	Superlattices and Microstructures	2018	5	K.L.N. College of Engineering	5
Nonlinear polarization in metal nano composite system	V.Revathy	Optik International Journal for Light and Electron	2019	5	K.L.N. College of Engineering	5

based photonic crystals		Optics				
Enhanced sensitivity of cancer cell using one dimensional nano composite material coated photonic crystal	N.R. Ramanujam	Microsystem Technologies	2019	11	K.L.N. College of Engineering	10
Evaluation of Antioxidant Property of Quinones and Calculation of their Binding Constant Values with DNA by Electrochemical Technique	Ramaraj R Deepa, Abraham A Daniel Arulraj, Abdul Kather A. Sheik Mideen, Rathinasamy RGandhidasan ,Vairathvar Sivasamy VS Vasantha	Der Pharma Chemica	2018	0	K.L.N. College of Engineering	0
Isolation of eupatorin (30,5dihydroxy40,6,7 trimethoxy flavone) from Albizia odoratissima and itsapplication for Ltryptophan sensing	Deepa Ramaraj Gandhidasan Rathinasamy Vasantha Vairathevar Sivasamy	Research on Chemical Intermediates	2018	0	K.L.N. College of Engineering	0
Synthesis, Characterization and Application of Polymer Nanocomposites for Selective and Effective	G.J.Deeparani , T.K. Ganesan	International Journal of Innovative Research in Science ,Engineering and Technology	2018	0	K.L.N. College of Engineering	0

Cu (II) Removal						
Real Time Mobile Inspection Robot for Drainage System	M. Jeyamur ugan	Journal of Applied Science and Comput ations (JASC)	2019	0	K.L.N. College of Engineerin g	0
Automatic Gate Control and Track Crack Prediction in Railways	T. Gopu	American Journal of Computer Science and Engine ering	2019	0	K.L.N. College of Engineerin g	0
IoT based Monitoring and Control Irrigation Automation	T. Gopu	Journal of Applied Science and Comput ations (JASC)	2019	0	K.L.N. College of Engineerin g	0
Dc Micro grid Management Strategy with Integ ration Of solar energy using IoT	D. Sridevi A. Marimuthu	Journal of Applied Science and Comput ations (JASC)	2019	0	K.L.N. College of Engineerin g	0
A Survey on Directi onal Anisotropy Structural Measuremen t (DASM)for analysing the quality of an image	Dr.Subha,A P(SG)/ECE, S.SRILAKSH MI	Internatio nal journal of Engineerin g Developm ent and Research	2019	0	K.L.N. College of Engineerin g	0
Power Allocation For Sensing Based Spectrum Sharing Cognitive Radio Network With Multiple Primary	K.R.Shanth y	Journal of Electrical Engineerin g	2018	0	K.L.N. College of Engineerin g	0

Users						
N Adaptive Elephant Herd Optimization Based Optimized Scheduling Scheme In OFDMA Wimax Networks	P.S. Kumaresh	Journal of Electrical Engineering	2019	0	K.L.N. College of Engineering	0
Optimal Resource Allocation Algorithm For OFDMABased Wimax Network Using Stochastic Fish Swarm Optimization	P.S. Kumaresh	Soft Computing Springer	2018	0	K.L.N. College of Engineering	0
Metamaterial inspired ultra white band notched reconfigurable MIMO antenna for cognitive radio platform and wireless applications	T.R.Muthu	Journal of Optoelectronics and advanced materials	2018	0	K.L.N. College of Engineering	0
SAR Image Classification by Wavelet Transform and Euclidean Distance with Shanon Index Measurement	A.Yusuf Khan	International Journal of Scientific Research in Network security and Communication	2018	0	K.L.N. College of Engineering	0
Efficient Key	P.R. Vijayalakshmi	Journal of Emerging T	2019	0	K.L.N.College of Eng	0

Generation In New MultiParty Key Agreement Protocol		echnologies and Innovative Research (JETIR)			ineering	
Extraction of cellulose nano fibers from cocos nuciferava raurantiaca peduncle by ball milling combined with chemical treatment	K. J. Nagarajan, A.N.Balaji, N.R.Rama nujam	Carbohydrate Polymers	2019	0	K.L.N. College of Engineering	0
Effect of stir casting Process parameters on properties of Aluminium Composites Taguchis Analysis	A.Hemalatha, V.Dhana lakshmi	Materials Science	2019	0	K.L.N. College of Engineering	0
Experimental Investigation of Heat Transfer Study in Rectangle Type Straight and Oblique Finned Microchannel Heat Sink with Nanofluids	C. Anbumeenakshi, P.I. Meenatchi Sunndhar, P.I. Kalyaahna Sundaram, M.R. Thansekhar	International journal of Engineering and Technology	2019	0	K.L.N. College of Engineering	0
Wetting Transition in laserfabricated hierarchical surface structures	M.R.Thansekhar, D. Venkata Krishnan, G.Udaya Kumar, S.Suresh,	International journal of heat and mass transfer	2019	0	K.L.N. College of Engineering	0

and its impact on condensation heat transfer characteristics	M.Jubal, RaviRamesh					
Friction Stir Welding of hybrid AA 6061ZrO2C Composites FSW process optimization using desirability approach	R.Pandiyarajan, P.Maran, N. Murugan, S. Marimuthu, T. Sornakumar	Material Research Express	2019	0	K.L.N. College of Engineering	0
Improving Mechanical Strength on Welded joints by using optimization Technique	R.Pandiyarajan	International Journal of Enterprise Network Management	2019	0	K.L.N. College of Engineering	0
Mechanical and Metallurgical characterization of friction stir Welded AA6061ZRO2C Hybrid MMCS	R.Pandiyarajan, Maran.P, K.Arumugam, Marimuthu.S	Materials Today: Proceedings	2019	0	K.L.N. College of Engineering	0
Wear behaviour of friction stir welded dissimilar aluminium alloys	R. Ashok kumar, M.R. Thansekhar	Metallofizika i Noveishie Tekhnologii	2019	0	K.L.N. College of Engineering	0
Particle swarm optimisation algorithm and multi start simulated annealing algorithm	A.N. Balaji, S. Porselvi, N. Jawahar	International Journal of Services and Operations Management	2019	0	K.L.N. College of Engineering	0

for scheduling batches of parts in multicell flexible manufacturing system						
Compression and Corrosion behaviour of sintered Copper Fly Ash Composite Material	A.N.Balaji, S.Thanga Kasi Rajan, G.R.Raghav, S.C.Vettivel	Material Research Express	2019	0	K.L.N. College of Engineering	0
Evaluating the scale effects of metal nanowire coatings on the thermal performance of miniature loop heat pipe	M.R. Thansekhar, D.Venkata Krishnan, G.Udayakumar , S. Suresh, Uzair Iqbal	Applied Thermal Engineering	2019	0	K.L.N. College of Engineering	0
Modified surfaces using seamless graphene/carbon nanotubes based nanostructures for enhancing pool boiling heat transfer	M.R. Thansekhar, G Udaya Kumar, Khushboo Soni, S.Suresh, Kaushik Ghosh, P. Dinesh Babu	Experimental Thermal and Fluid Science	2019	0	K.L.N. College of Engineering	0
Role of internanowire distance in metal nanowires on pool boiling heat transfer characteris	M.R. Thansekhar, G Udaya Kumar, S Suresh, Deepkumar Halpati	Journal of colloid and interface science	2019	0	K.L.N. College of Engineering	0

tics						
Solving fixed charge transportation problem with truck load constraint using meta heuristics	A. N. Balaji, J. Mukund, Nilakantan, Izabela Nielsen, N. Jawahar, S. G. Ponnambal	Annals of Operations Research	2019	0	K.L.N. College of Engineering	0
Preparation and Analysis of Tribological and Corrosion characteristics of CoGr NanoComposites	G.R. Raghav, A.N.Balaji, D.Muthukrishnan, V.Sruthi	Metallofizika I Noveishie Tekhnologii	2019	0	K.L.N. College of Engineering	0
Mechanical and wear properties of friction stir welded dissimilar AA6101T6 and AA1350 alloys: Effect of offset distance and number of passes	R. Ashok kumar, M.R. Thansekhar	Journal of Mechanical Science and Technology	2019	0	K.L.N. College of Engineering	0
Microstructural, electrical, thermal and tribological studies of copperfly ash composites through powder metallurgy	A.N.Balaji, S.Thanga Kasi Rajan, G.R.Raghav, S.C.Vettivel	Bulletin of the Polish Academy of Sciences: Technical Sciences	2019	0	K.L.N. College of Engineering	0
Analyzing the Performance of Lean Manufacturing Implementat	A.N.Balaji, R.Sundar, R.M.SatheeshKumar	International Journal of Productivity and Quality	2019	0	K.L.N. College of Engineering	0

ion with C hronologic al Execution of Lean Elements using Spread Sheet features: A Case Study		Management				
A Novel Method of Detection and Classi fication of Diabetic R etinopathy in Fundus Imagery	Dr.S.Venka tanarayana n Dr.S.M.K annan	Asian Journal Applied Research	2019	0	K.L.N. College of Engineerin g	0
Analysis of Various Types of Balanced Voltege Sags	Dr.S.Venka tanarayana n Dr.S.M.K annan	Asian Journal Applied Research	2019	0	K.L.N. College of Engineerin g	0
Industrial Energy Audit and Improve power Quality in Solar Energy System	Dr.S.Venka tanarayana n Dr.S.M.K annan	Asian Journal Applied Research	2019	0	K.L.N. College of Engineerin g	0
Performanc e Analysis of Fuzzy Logic Cont rollerbase d DCLink shunt Comp ensator in single phase Grid Connected Mode	Dr.S.Venka tanarayana n Dr.S.M.K annan	Asian Journal Applied Research	2019	0	K.L.N. College of Engineerin g	0
Internet of Things – Based Health Monitoring System using Micr	Dr.S.Venka tanarayana n Dr.S.M.K annan	Asian Journal Applied Research	2019	0	K.L.N. College of Engineerin g	0

oeletromechanical Systems Sensor						
Sequential Loading of Backup Generator with Load Sharing	Dr.S.Venkatanarayanan Dr.S.M.Kannan	Asian Journal Applied Research	2019	0	K.L.N. College of Engineering	0
Analysis and Development of Music Rhythm for LED Flashlight using Microcontroller	Dr.S.Venkatanarayanan Dr.S.M.Kannan	Asian Journal Applied Research	2019	0	K.L.N. College of Engineering	0
Transient analysis of an interconnected power system incorporating SMES along with electric vehicle utilizing optimized controller tuning	S.Satheesh Kumar K.Gnanambal	Journal of Electrical Engineering	2019	0	K.L.N. College of Engineering	0
SemiSupervised Multi Instance Neurologic Adaptive Learning Intrusion Detection System	A. P. Jagadeesan, K. Gnanambal	An International JournalApplied Mathematics Information Sciences	2019	0	K.L.N. College of Engineering	0
IoT based Automation and Energy Management in Buildings	Dr.S Parthasarathy	SSRG International Journal of Electronic and Electronics Engineering (SSRGIJEEE)	2019	0	K.L.N. College of Engineering	0
RealTime Detection of Retinal Detachment	Dr.S.Venkatanarayanan	Asian Journal Applied Research	2019	0	K.L.N. College of Engineering	0

and Exudates using Digital Fundus Image with Superpixel MultiFeature Classification						
Power quality Analysis in a Bulk HighTension Industry ar Theni, Tamil Nadu	Dr.S.Venkatanarayanan	Asian Journal Applied Research	2019	0	K.L.N. College of Engineering	0
Design and Implementation of Maximum Power Point Tracking Controller for GridConnected Photovoltaic System and Analyzing its Performance	Dr.S.Venkatanarayanan	Asian Journal Applied Research	2019	0	K.L.N. College of Engineering	0
Energy Management Automatic Vigilant Strandless Metering System Employed with GSM	Dr. S.P. Rajaram	SSRG International Journal of Electronic and Electronics Engineering (SSRGIJEEE)	2019	0	K.L.N. College of Engineering	0
ANNABC Algorithm based Online Monitoring of Maximum Allowable Load of Power System	S.Manoharan K.Gnanambal	Journal of Electrical Engineering	2019	0	K.L.N. College of Engineering	0
Predicting Prostate Cancer In Early	S.Nirmala Nambikai Mary, Mrs. P.Jeyadurg	IJMTE(International Journal of Management	2019	0	K.L.N.College of Engineering	0

Stage	a	, Technology And Engineering)				
Comparative Analytical Analysis Of Various Configurations Of Nano Scaled DielectricModulated Double Gate MOSFET Based Biosensors	B.Buvaneswari	Journal Of Optoelectronics And Advanced Materials	2018	0	K.L.N.College of Engineering	0
Sensitivity Analysis Of Double Gate Metal Oxide Semiconductor Field Effect Transistor For BioSensing Applications	B.Buvaneswari	Journal Of Nano Electronics And Optoelectronics	2018	0	K.L.N.College of Engineering	0
2D Analytical Modeling And Simulation Of Dual Material DG MOSFET For BioSensing Application	B.Buvaneswari	International Journal of Electronics And Communications	2018	0	K.L.N.College of Engineering	0
DICDOCKMeans: DissimilarityBased Initial Centroid Selection For Document Clustering Using KMeans For	R Lakshmi	Journal of Information Science	2018	0	K.L.N.College of Engineering	0

Title of the Paper	Author	Journal	Year		Affiliation	
Improving The Effectiveness Of Text Document Clustering						
Image Processing To Diagnose Prostate Cancer In Early Stage	Dr.S.Miruna Joe Amali Mrs.P.Jeya Durga	JASC: Journal Of Applied Science And Computations	2018	0	K.L.N.College of Engineering	0
ProfitDriven Dynamic Cloud Pricing For Multi Server Systems Considering User Perceived Value	Dr.S.Miruna Joe Amali S.Brindha	JASC: Journal Of Applied Science And Computations	2018	0	K.L.N.College of Engineering	0
Knowledge BasedIDS To Prevent Intruders And Malicious Attacks	Dr.P.R.Vijayalakshmi Dr.M.Raghini	JASC: Journal Of Applied Science And Computations	2018	0	K.L.N.College of Engineering	0
[View File](#)						

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Optimal Resource Allocation Algorithm For OFDMABased Wimax Network Using Stochastic Fish Swarm Optimization	P.S. Kumaresh	Soft Computing Springer	2018	0	0	K.L.N. College of Engineering
Metamaterial inspired	T.R.Muthu	Journal of Optoelectronics and	2018	0	0	K.L.N. College of Engineerin

ultra white band notched re configurab le MIMO antenna for cognitive radio platform and wireless a pplication s		advanced materials				g
SAR Image Classifica tion by Wavelet Transform and Euclidean Distance with Shanon Index Meas urement	A.Yusuf Khan	Internatio nal Journal of Scientific Research in Network security and Commun ication	2018	0	0	K.L.N. College of Engineerin g
Efficient Key Generation In New MultiParty Key Agreement Protocol	P.R. Vijay alakshmi	Journal of Emerging T echnologie s and Innovative Research (JETIR)	2019	1	0	K.L.N. College of Engineerin gK.L.N. College of Engineerin g
Predicting Prostate Cancer In Early Stage	S.Nirmala Nambikai Mary, Mrs. P.Jeyadurg a	IJMTE(Inte rnational Journal of Management , Technology And Engine ering)	2019	0	0	K.L.N. College of Engineerin g
Comparativ e Analytical Analysis Of Various Configurat ions Of Nano Scaled Die lectricMod ulated Double Gate MOSFET	B.Buvanesw ari	Journal Of Optoelectr onics And Advanced Materials	2018	0	0	K.L.N. College of Engineerin g

Based Biosensors							
Sensitivity Analysis Of Double Gate Metal Oxide Semiconductor Field Effect Transistor For BioSensing Applications	B.Buvaneswari	Journal Of Nano Electronics And Optoelectronics	2018	0	0	K.L.N. College of Engineering
2D Analytical Modeling And Simulation Of Dual Material DG MOSFET For BioSensing Application	B.Buvaneswari	International Journal of Electronics And Communications	2018	0	0	K.L.N. College of Engineering
DICDOCKMeans: DissimilarityBased Initial Centroid Selection For Document Clustering Using KMeans For Improving The Effectiveness Of Text Document Clustering	R Lakshmi	Journal of Information Science	2018	0	0	K.L.N. College of Engineering
Image Processing To Diagnose Prostate Cancer In Early Stage	Dr.S.Miruna Joe Amali Mrs.P.Jeya Durga	JASC: Journal Of Applied Science And Computations	2018	7	0	K.L.N. College of Engineering
ProfitDriven Dynamic Cloud Pricing	Dr.S.Miruna Joe Amali S.Brindha	JASC: Journal Of Applied Science	2018	7	0	K.L.N. College of Engineering

For Multi Server Systems Considering User Perceived Value		And Computations				
Knowledge BasedIDS To Prevent Intruders And Malicious Attacks	Dr.P.R.Vijayalakshmi Dr.M.Raghini	JASC: Journal Of Applied Science And Computations	2018	0	0	K.L.N. College of Engineering
Performance Characteristics of a CI engine with methyl Ester of Neem oil and Bitter oil A comparative study	J.Rajesh Babu R.M.Satheesh Kumar S. Mohamed Jameen L.Vivek krishnakumar	International Journal of Research	2019	4	0	K.L.N. College of Engineering
Design of optimal Controllers for a Magnetic Levitation system	Prof.S.Nagammai	Journal of applied science and computations	2019	0	0	K.L.N. College of Engineering
DC servo motor position control for sliding Mode control approach	Dr.S.Balamurugan, Mr.V.Aravindarajan	Journal of applied science and computations	2019	0	0	K.L.N. College of Engineering
IoT based monitoring and control of irrigation Automation	Mr.V.Aravindarajan	Journal of applied science and computations	2019	0	0	K.L.N. College of Engineering
A review on Machine Learning	Dr. R. Alageswaran	Pramana Research Journal	2019	2	0	K.L.N. College of Engineering
Performance and	Dr.P.Ganesh Kumar	Journal of Circuits,	2019	16	0	K.L.N. College of

Analysis of Trans multiplexers using Decimator and Interp olator		systems and Comput ers(JCSC), World Scientific Publishing Company				Engineerin g
User Profiling Bases On Sentiment Analysis of Twitter Data	Dr.G.Ramesh	Internatio nal journal for Scientific Research D evelopment	2019	0	0	K.L.N. College of Engineerin g
High Efficient Prediction of Anomaly using HTBRM in online network	Dr.G.Ramesh	Internatio nal journal for Research D evelopment in Technology	2019	0	0	K.L.N. College of Engineerin g
Improving Cluster efficiency by density based approach using Hybrid optics	Dr.J.S.Kan chana	Internatio nal Journal for Scientific Research and Develo pment	2019	0	0	K.L.N. College of Engineerin g
Efficient Way of Flooding Avoidance using ASFA lgorithm in Wireless Data Centers	Dr.J.S.Kan chana	Internatio nal Journal of Research in Enginee ring, Science and Management (IJRESM)	2019	0	0	K.L.N. College of Engineerin g
A Hybrid Feature Selection Method for Effective Data Class ification in Data Mining App lications	Mr. S. Ilangovan	Internatio nal Journal of Grid and high perfo rmance computiing Springer	2019	0	0	K.L.N. College of Engineerin g
Effective Feature Selection Strategy for	Mr. S. Ilangovan	Internatio nal Journal of Research in Enginee	2019	0	0	K.L.N. College of Engineerin g

		ring, Science and Management (IJRESM)					
Qualitybased pattern C2 code scorelevel fusion in multimodal biometric authentica tion system using pattern net	Mr. S. Ila nkumaran	Springer – Soft computing	2019	0	0	K.L.N. College of Engineerin g
Multi Biometric Authentica tion Using Finger Vein and Palm Print	Mr. S. Ila nkumaran	Internatio nal Journal for Scientific Research and Develo pment	2019	0	0	K.L.N. College of Engineerin g
E Valuating Using Natural Language Processing	Mr.C.Pandi an	Internatio nal Journal of Research in Enginee ring, Science and Management (IJRESM)	2019	0	0	K.L.N. College of Engineerin g
Extraction of cellulose nano fibers from cocos nuciferava raurantiac a peduncle by ball milling combined with chemical treatment	K. J. Nagarajan, A.N.Balaji , N.R.Rama nujam	Carbohydra te Polymers	2019	2	0	K.L.N. College of Engineerin gK.L.N. College of Engineerin g
Effect of stir casting Process parameters	A.Hemalath a, V.Dhana lakshmi	Materials Science	2019	0	0	K.L.N. College of Engineerin gK.L.N. College of

on properties of Aluminium Composites Taguchis Analysis						Engineering
Experimental Investigation of Heat Transfer Study in Rectangle Type Straight and Oblique Finned Microchannel Heat Sink with Nanofluids	C. Anbumeenakshi, P.I. Meenatchi Sunndhar, P.I. Kalyaahna Sundaram, M.R. Thansekhar	International journal of Engineering and Technology	2019	2	0	K.L.N. College of Engineering
Wetting Transition in laserfabricated hierarchical surface structures and its impact on condensation heat transfer characteristics	M.R.Thansekhar, D. Venkata Krishnan, G.Udaya Kumar, S.Suresh, M.Jubal, RaviRamesh	International journal of heat and mass transfer	2019	8	0	K.L.N. College of Engineering
Friction Stir Welding of hybrid AA 6061ZrO2C Composites FSW process optimization using desirability approach	R.Pandiyarajan, P.Maran, N. Murugan, S. Marimuthu, T. Sornakumar	Material Research Express	2019	2	0	K.L.N. College of Engineering
Improving Mechanical Strength on Welded joints by using optimization	R.Pandiyarajan	International Journal of Enterprise Network Management	2019	2	0	K.L.N. College of Engineering

Technique						
Mechanical and Metall urgical ch aracteriza tion of friction stir Welded AA6 061ZRO2C Hybrid MMCS	R.Pandiyar ajan, Maran.P, K .Arumugam, Marimuthu. S	Materials Today: Pro ceedings	2019	2	0	K.L.N. College of Engineerin g
Wear behaviour of friction stir welded dissimilar aluminium alloys	R. Ashok kumar, M.R. Thansekhar	Metallofiz ika i Noveishie Tekhnologi i	2019	2	0	K.L.N. College of Engineerin g
Particle swarm opti misation algorithm and multi start simulated annealing algorithm for scheduling batches of parts in multicell flexible m anufacturi ng system	A.N. Balaji, S. Porselvi, N. Jawahar	Internatio nal Journal of Services and Operations Management	2019	9	0	K.L.N. College of Engineerin g
Compressio n and Corrosion behaviour of sintered Copper Fly Ash Composite Material	A.N.Balaji , S.Thanga Kasi Rajan, G.R .Raghav, S .C.Vettive l	Material Research Express	2019	9	0	K.L.N. College of Engineerin g
Evaluating the scale effects of metal nanowire coatings on the thermal pe	M.R. Thans ekhar, D.Venkata Krishnan, G.Udayakum ar , S. Suresh, Uzair	Applied Thermal En gineering	2019	8	0	K.L.N. College of Engineerin g

rformance of miniature loop heat pipe	Iqbal						
Modified surfaces using seamless graphene/carbon nanotubes based nano structures for enhancing pool boiling heat transfer	M.R. Thansekhar, G Udaya Kumar, Khushboo Soni, S.Suresh, Kaushik Ghosh, P. Dinesh Babu	Experimental Thermal and Fluid Science	2019	8	0	K.L.N. College of Engineering
Role of internanowire distance in metal nanowires on pool boiling heat transfer characteristics	M.R. Thansekhar, G Udaya Kumar, S Suresh, Deepkumar Halpati	Journal of colloid and interface science	2019	8	0	K.L.N. College of Engineering
Solving fixed charge transportation problem with truck load constraint using meta heuristics	A. N. Balaji, J. Mukund, Nilakantan, Izabela Nielsen, N. Jawahar, S. G. Ponnambal	Annals of Operations Research	2019	9	0	K.L.N. College of Engineering
Preparation and Analysis of Tribological and Corrosion characteristics of CoGr NanoComposites	G.R. Raghav, A. N.Balaji, D.Muthukrishnan, V.Sruthi	Metallofizika I Noveishie Tekhnologii	2019	2	0	K.L.N. College of Engineering
Mechanical and wear properties of friction	R. Ashok kumar, M.R. Thansekhar	Journal of Mechanical Science and Technology	2019	2	0	K.L.N. College of Engineering

stir welded dissimilar AA6101T6 and AA1350 alloys: Effect of offset distance and number of passes						
Microstructural, electrical, thermal and tribological studies of copperfly ash composites through powder metallurgy	A.N.Balaji, S.Thanga Kasi Rajan, G.R.Raghav, S.C.Vettivel	Bulletin of the Polish Academy of Sciences: Technical Sciences	2019	9	0	K.L.N. College of Engineering
Analyzing the Performance of Lean Manufacturing Implementation with Chronological Execution of Lean Elements using Spread Sheet features: A Case Study	A.N.Balaji, R.Sundar, R.M.Satheeshkumar	International Journal of Productivity and Quality Management	2019	9	0	K.L.N. College of EngineeringK.L.N. College of EngineeringK.L.N. College of Engineering
A Novel Method of Detection and Classification of Diabetic Retinopathy in Fundus Imagery	Dr.S.Venkatanarayanan Dr.S.M.Kannan	Asian Journal Applied Research	2019	3	0	K.L.N. College of Engineering
Analysis of Various Types of Balanced	Dr.S.Venkatanarayanan Dr.S.M.Kannan	Asian Journal Applied Research	2019	3	0	K.L.N. College of Engineering

Voltege Sags						
Industrial Energy Audit and Improve power Quality in Solar Energy System	Dr.S.Venka tanarayana n Dr.S.M.K annan	Asian Journal Applied Research	2019	3	0	K.L.N. College of Engineerin g
Performanc e Analysis of Fuzzy Logic Cont rollerbase d DCLink shunt Comp ensator in single phase Grid Connected Mode	Dr.S.Venka tanarayana n Dr.S.M.K annan	Asian Journal Applied Research	2019	3	0	K.L.N. College of Engineerin gK.L.N. College of Engineerin g
Internet of Things – Based Health Monitoring System using Micr oeletromec hanical Systems Sensor	Dr.S.Venka tanarayana n Dr.S.M.K annan	Asian Journal Applied Research	2019	3	0	K.L.N. College of Engineerin g
Sequential Loading of Backup Generator with Load Sharing	Dr.S.Venka tanarayana n Dr.S.M.K annan	Asian Journal Applied Research	2019	3	0	K.L.N. College of Engineerin g
Analysis and Develo pment of Music Rhythm for LED Flashlight using Micr ocontrolle r	Dr.S.Venka tanarayana n Dr.S.M.K annan	Asian Journal Applied Research	2019	3	0	K.L.N. College of Engineerin g
Transient analysis of an inte rconnected power system inc	S.Satheesh Kumar K.Gn anambal	Journal of Electrical Engineerin g	2019	4	0	K.L.N. College of Engineerin g

orporating SMES along with electric vehicle utilizing optimized controller tuning						
Garbage Monitoring System Using IOT	C.Manjula Devi	International Journal of Research in Engineering, Science and Management (IJRESM)	2019	0	0	K.L.N. College of Engineering
Eco Friendly Vehicle Pollution Detection and Controlling system using IOT	S.Padma Priya	International Journal of Research in Engineering, Science and Management (IJRESM	2019	0	0	K.L.N. College of Engineering
Vision Based Autonomous Navigation Robot	J.Karthikeyan	International Journal of Research in Engineering, Science and Management (IJRESM	2019	0	0	K.L.N. College of Engineering
Gesture Control Surveillance Robot(GESBOT)	J.Karthikeyan	International Journal of Research in Engineering, Science and Management (IJRESM	2019	0	0	K.L.N. College of Engineering
Energy conservation in Mobile Adhoc network using enhanced	S. Vijayasharmila	International Journal for Scientific Research and Develo	2019	0	0	K.L.N. College of Engineering

fitness function		pment				
Efficient Traffic Scheduling and Congestion Control Mechanism in Wireless Networks	J.Gautam	International Journal for Scientific Research and Development	2019	0	0	K.L.N. College of Engineering
An Intelligent Classification System for Diagnosing MRI Brain Images using Modified FCM and SVM	R.Somas Kandan	TAGA JOURNAL	2018	1	0	K.L.N. College of Engineering
Women apparels market research, trend and analysis of consumer behavior	Dr. K.G. Nalina Mr. B. Palanivelrajan	International journal of research and analytical reviews (IJRAR)	2019	0	0	K.L.N. College of Engineering
Mobile marketing service trends to watch in 2019 to get your business on board	Dr. K.G. Nalina Mr. B. Palanivelrajan	Journal of management research and analysis (JMRA)	2019	0	0	K.L.N. College of Engineering
Symmetries and invarient solutions of the two dimensional variable coefficent generalised burgers equation	J.K. SUBASHINI	Journal of Applied science and Computations	2019	0	0	K.L.N. College of Engineering
Generalized knot symmetric Algebras	R. SELVARANI	Proceedings of the national Academy of	2018	0	0	K.L.N. College of Engineering

		Sciences,				
Properties of ternary photonic crystal consisting of dielectric/ plasma/ dielectric as a lattice period	N.R. Ramanujam	Optik	2019	5	1	K.L.N. College of Engineering
Extraction of cellulose nano fibers from cocos nucifera var aurantiaca peduncle by ball milling combined with chemical treatment	N.R. Ramanujam	Carbohydrate Polymers	2019	5	0	K.L.N. College of Engineering
Analysis of photonic band gap in photonic crystal with epsilon negative and double negative materials	N.R. Ramanujam	Optik	2019	5	2	K.L.N. College of Engineering
Extension of energy band gap in ternary photonic crystal using lefthanded materials	N.R. Ramanujam	Superlattices and Microstructures	2018	5	5	K.L.N. College of Engineering
Nonlinear polarization in metal nano composite	V.Revathy	Optik International Journal for Light and	2019	0	5	K.L.N. College of Engineering

system based photonic crystals		Electron Optics				
Enhanced sensitivity of cancer cell using one dimensional nano composite material coated photonic crystal	N.R. Ramanujam	Microsystem Technologies	2019	5	10	K.L.N. College of Engineering
Evaluation of Antioxidant Property of Quinones and Calculation of their Binding Constant Values with DNA by Electrochemical Technique	Ramaraj R Deepa, Abraham A Daniel Arulraj, Abdul Kather A. Sheik Mideen, Rathinasamy RGandhidasan ,Vairathvar Sivasamy VS Vasantha	Der Pharma Chemica	2018	0	0	K.L.N. College of Engineering
Isolation of eupatorin (30,5dihydroxy40,6,7 trimethoxy flavone) from Albizia odoratissima and itsapplication for Ltryptophan sensing	Deepa Ramaraj Gandhidasan Rathinasamy Vasantha Vairathevar Sivasamy	Research on Chemical Intermediates	2018	0	0	K.L.N. College of Engineering
Synthesis, Characterization and Application of Polymer Nanocomposites for Selective and	G.J.Deeparani , T.K. Ganesan	International Journal of Innovative Research in Science ,Engineering and Technology	2018	0	0	K.L.N. College of Engineering

Effective Cu (II) Removal						
Semi Supervised MultiInstance Neurologic Adaptive Learning Intrusion Detection System	A. P. Jagadeesan, K. Gnanambal	An International JournalApplied Mathematics Information Sciences	2019	4	0	K.L.N. College of EngineeringK.L.N. College of Engineering
IoT based Automation and Energy Management in Buildings	Dr.S Parthasarathy	SSRG International Journal of Electronic and Electronics Engineering (SSRGIJEEE)	2019	5	0	K.L.N. College of Engineering
RealTime Detection of Retinal Detachment and Exudates using Digital Fundus Image with Superpixel MultiFeature Classification	Dr.S.Venkatanarayanan	Asian Journal Applied Research	2019	3	0	K.L.N. College of EngineeringK.L.N. College of Engineering
Power quality Analysis in a Bulk HighTension Industry ar Theni, Tamil Nadu	Dr.S.Venkatanarayanan	Asian Journal Applied Research	2019	3	0	K.L.N. College of Engineering
Design and Implementation of Maximum Power Point Tracking Controller for GridConnected Photovoltaic System and Analyzing	Dr.S.Venkatanarayanan	Asian Journal Applied Research	2019	3	0	K.L.N. College of Engineering

its Performance						
Energy Management Automatic Vigilant Strandless Metering System Employed with GSM	Dr. S.P. Rajaram	SSRG International Journal of Electronic and Electronics Engineering (SSRGIJEEE)	2019	1	0	K.L.N. College of Engineering
ANN ABC Algorithm based Online Monitoring of Maximum Allowable Load of Power System	S.Manoharan K.Gnanambal	Journal of Electrical Engineering	2019	4	0	K.L.N. College of Engineering
Real Time Mobile Inspection Robot for Drainage System	M. Jeyamurugan	Journal of Applied Science and Computations (JASC)	2019	0	0	K.L.N. College of Engineering
Automatic Gate Control and Track Crack Prediction in Railways	T. Gopu	American Journal of Computer Science and Engineering	2019	0	0	K.L.N. College of Engineering
IoT based Monitoring and Control Irrigation Automation	T. Gopu	Journal of Applied Science and Computations (JASC)	2019	0	0	K.L.N. College of Engineering
Dc Micro grid Management Strategy with Integration Of solar energy using IoT	D. Sridevi A. Marimuthu	Journal of Applied Science and Computations (JASC)	2019	1	0	K.L.N. College of Engineering
A Survey on Directional Anisotropy Structural	Dr.Subha,A P(SG)	International journal of Engineering Developm	2019	0	0	K.L.N. College of Engineering

Measurement (DASM)for analysing the quality of an image		ent and Research					
Power Allocation For Sensing Based Spectrum Sharing Cognitive Radio Network With Multiple Primary Users	K.R.Shanthy	Journal of Electrical Engineering	2018	0	0	K.L.N. College of Engineering
N Adaptive Elephant Herd Optimization Based Optimized Scheduling Scheme In OFDMA Wimax Networks	P.S. Kumaresh	Journal of Electrical Engineering	2019	0	0	K.L.N. College of Engineering

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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	1	297	0	0
Presented papers	60	43	1	0
Resource persons	1	5	39	45

[View File](#)

3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Women Empowerment Programme	Rotaract Club	1	140
RYLA 2019(Rotaract	Rotaract Club	1	36

Youth Leadership Programme)			
Blood Donation Camp in association with Sivan Blood Bank Madurai	Rotaract Club	1	80
Tree plantation (Phase III) in association with lions Club of Madurai COSMOS	NSS	2	35
Take house hold survey for Unnath Bharat Abayan Programme	NSS	2	28
BLOOD DONATION CAMP in association with Lions Club of Madurai and Rajaji Govt., Hospital – Madurai	NSS	2	73
Seven days NSS Special Camp at Virathanoor Village	NSS	2	45
Celebrating Life"Mr .B.Jeganathan, Out Reach Worker, Mrs.M.Kanchna, Out Reach Worker, PACHE TRUST,Madurai	YRC	1	50
Rotaract Club of KLNCE Installation function for academic year (2018 – 2019)	Rotaract Club	1	50
Blood donation camp in association with Meenakshi Mission Hospital Madurai	Rotaract Club	1	69
Donate New Dresses to the supporting staffs about Celebrated Pongal festival	Rotaract Club	1	50
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
EXTENSION ACTIVITIES	ISHRAE Women Chair	ISHRAE	4

Activities for women students	Best women Engineer in the Electrical Engineering Division	Electrical Engineering	4
Student development programs	Best Performer Nov 2018 Organized Drish TI events for the college students	Drish TI	36
Social Service	Helping hearts Award Service to the Society IALC	IALC	48
Activities for students	Young Achiever award 2018	IEAE	1
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
SWACHH BHARAT	K.L.N. College of Engineering	Inaugral Function SBIP 2018	5	25
SWACHH BHARAT	K.L.N. College of Engineering	Clean Temple, School Streets	5	25
SWACHH BHARAT	K.L.N. College of Engineering	Rally about Clean village	5	25
SWACHH BHARAT	K.L.N. College of Engineering	Art from Waste by Students	5	25
SWACHH BHARAT	K.L.N. College of Engineering	Stage Drama about Sewage by Students	5	25
SWACHH BHARAT	K.L.N. College of Engineering	Tree Plantation Create awareness about Deforestation	5	25
SWACHH BHARAT	K.L.N. College of Engineering	SBIP – 2018 Valedictory Function	5	25
EYANTRA COMPETITIONS	K.L.N. College of Engineering	EYANTRA Robotics Competition (EYRC)	2	35
Institute Social Responsibilities (ISR) activities	Mechanical Department and Automobile	Road Safety Awareness Camp Organized by Mechanical Department	6	20
Institute Social Responsi	Mechanical Department	A Technical Seminar on	3	2

bilities (ISR) activities		Energy Saving Organized by Mechanical Department		
Institute Social Responsibilities (ISR) activities	Mechanical Department	Demonstration of Scientific Principles using Stem Kit Organized by Mechanical Department	3	0
Institute Social Responsibilities (ISR) activities	Mechanical Department	A Technical Seminar on Global Warming Organized by Mechanical Department	3	3
Institute Social Responsibilities (ISR) activities	Mechanical Department	Self Motivation Activities Organized by Mechanical Department	3	0
Institute Social Responsibilities (ISR) activities	Mechanical Department	Tree plantation Organized by Mechanical Department	12	0
Institute Social Responsibilities (ISR) activities	ECE Department	Yoga Activity Organized by ECE Department	2	50
Institute Social Responsibilities (ISR) activities	ECE Department	Quiz and oratory competition Organized by ECE Department	2	50
Institute Social Responsibilities (ISR) activities	ECE Department	Motivational Competition,Government School visit Organized by ECE Department	2	50
Institute Social Responsibilities (ISR) activities	IT Department	Patriotism among Young Minds Organized by IT Department	2	60
Institute Social Responsibilities (ISR) activities	IT Department	Quiz program for 11th and 12th Students " Talent Hunt 2K19" Organized by IT Department	2	625

Institute Social Responsibilities (ISR) activities	EIE Department	Exploring English Grammar Organized by EIE Department	2	50
Institute Social Responsibilities (ISR) activities	EIE Department	Gandhi jeyanthi Celebration (Essay Writing Drawing Competitions) Organized by EIE Department	1	46
Institute Social Responsibilities (ISR) activities	MBA Department	Bed Sheets Distribution to Vallalar old age home, Organized by MBA Department	3	2
Institute Social Responsibilities (ISR) activities	MBA Department	Gift an Organ Awareness Programme Organized by MBA Department	2	100
Institute Social Responsibilities (ISR) activities	MBA Department	Quiz Contest Organized by Mathematics Department	1	38
Institute Social Responsibilities (ISR) activities	K.L.N. College of Engineering	Women's Day Celebration.	2	30
Institute Social Responsibilities (ISR) activities	National commission for Women, Govt.of India,New Delhi.	Nationwide competition to create awareness about legal rights of women	2	27
Institute Social Responsibilities (ISR) activities	National commission for Women, Govt.of India,New Delhi.	Awareness program about legal rights of women.	2	72
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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Industrial Visit to GHCL Private Limited, Pravai, Madurai MAN TRUCKS, 6870, SIDCO Site, Kappalur, Madurai and BHARAT BENZ,	58 students	K.L.N. College of Engineering	1

Madurai Dindigul National Highway			
Industrial Visit to HiTech Arai Limited, Poovanthi Unit, Sivagangai 630611	40 students	K.L.N. College of Engineering	1
Industrial Visit to TNSTC (Madurai) Ltd, Madurai Region, Pasumalai	36 students	K.L.N. College of Engineering	1
Industrial Visit to MM FORGINGS LIMITES,PLANT 1 ANAIKARAIPATTI, SINGAMPUNAARI DISTRICT 630 503	40 students	K.L.N. College of Engineering	1
Industrial Visit to ISRO Propulsion Complex (IPRC) Mahendragiri,Tirunelveli District,Tamilnadu 627133	27 students	K.L.N. College of Engineering	1
Industrial visit to SNP dairy Vadipatti	42 students	K.L.N. College of Engineering	1
Industrial visit to BSNLoffice, Virudhunagar	45 students	K.L.N. College of Engineering	1
Industrial Visit to ISRO, Mahendragiri.	70 students	K.L.N. College of Engineering	1
Industrial Visit to Adani Green Energy (TN) Ltd, Sengapadai village	65 students	K.L.N. College of Engineering	1
Industrial Visit to MSM Chocolate factory, kodaikanal	46 students	K.L.N. College of Engineering	1
industrial visit to Indian Oil Corporation, Madurai	50 students	K.L.N. College of Engineering	1
Industrial visit to Maditssia, Near Madurai Corporation Office, Dr.Ambedkar Salai, Madurai625020	120 Students	K.L.N. College of Engineering	1
Industrial visit to M/s.MM forgings Ltd., Singampunari, Sivagangai	107 students	K.L.N. College of Engineering	1

Industrial Visit to JASMINE TOWELS (P) LTD., Madurai	38 students and 7 faculty members	K.L.N. College of Engineering	1
Industrial Visit to M/s. SNP Diary Milk, Madurai	8 students	K.L.N. College of Engineering	1
Industrial Visit to M/s. Kwality coil Products (p) Ltd., Madurai	69 students	K.L.N. College of Engineering	1
Industrial visit to M/s. Sun Pressings (p) Ltd., Madurai	69 students	K.L.N. College of Engineering	1
Industrial Visit, Kodaikanal Solar Observatory, Kodaikanal	165 students	K.L.N. College of Engineering	1
Industrial Exhibition Visit,Indexpo 2018,Velammal Medical College, Madurai	156 students	K.L.N. College of Engineering	1
Industrial Exhibition Visit,Indexpo 2018,Velammal Medical College, Madurai	95 students	K.L.N. College of Engineering	1
ADANI GREEN ENERGY (TN) Ltd, Kamuthi,(Ramanathapuram District)	59 students	K.L.N. College of Engineering	1
Airport Authority of India,Madurai.	51 students	K.L.N. College of Engineering	1
Industrial Visit at ADANI SOLAR SYSTEM, Kamudhi	35 students	K.L.N. College of Engineering	1
Industrial Visit at ISRO (Mahendragiri), Tirunelveli	105 students	K.L.N. College of Engineering	1
Industrial Visit to GHCL Private Limited, Pravai, Madurai	40 students	K.L.N. College of Engineering	1
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering	Duration From	Duration To	Participant

		institution/ industry /research lab with contact details			
Industrial Exposure	Project training	ITC Limited, SBU,Packaging and printing,Tiruvatiyur,Chennai	05/06/2019	28/06/2019	3
Industrial Exposure	Inplant training	TVS Tyres, Madurai	11/06/2019	14/06/2019	1
Industrial Exposure	Inplant training	TVS Rubber, Madurai	26/11/2018	30/11/2018	1
Industrial Exposure	Inplant training	TNSTC Madurai	10/06/2019	15/06/2019	1
Industrial Exposure	Inplant training	Railnet Software Solutions Railway colony, Madurai625 018	03/06/2019	08/06/2019	1
Industrial Exposure	Inplant training	Railnet Software Solutions Railway colony, Madurai625 018	17/06/2019	22/06/2019	1
Industrial Exposure	Internship Training	Gplast Private Limited,	17/12/2018	16/02/2019	2
Industrial Exposure	Inplant training	MCT Engineers,Anna Nagar ,Madurai625 020	25/05/2019	08/06/2019	1
Research Exposure	Internship Training	IIT Madras	09/05/2019	10/07/2019	1
Project	Internship	Chainsys(India)Pvt Ltd,Chennai	23/01/2019	23/01/2019	2
Project	Internship	Aricent, Chennai	30/01/2019	30/01/2019	1
Knowledge Gain	Inplant Training	Aurolab	26/11/2018	30/11/2018	1
Knowledge Gain	Inplant Training	TVS Automobile Solutions Private Limited	26/11/2018	30/11/2018	5
Knowledge	Inplant	Railnet	10/12/2018	15/12/2018	1

Gain	Training	software solutions			
Knowledge Gain	Inplant Training	Shri Ramalinga Mills LTD	28/11/2018	02/12/2018	1
Knowledge Gain	Inplant Training	Sundaram Industries Limited	05/12/2018	07/12/2018	2
Knowledge Gain	Inplant Training	R.Stahl(P) LTD	05/12/2018	07/12/2018	1
Knowledge Gain	Inplant Training	TANTRANSCO, Madurai	20/05/2019	24/05/2019	13
Project work	A STUDY ON RECRUITMENT AND SELECTION PROCESS AT GETMYUNI EDUCATION SERVICES ,BANGALORE	GETMYUNI EDUCATION SERVICES ,BANGALORE	02/01/2019	31/05/2019	1
Project work	A STUDY ON WORKING CAPITAL MANAGEMENT AT VIMAL AGENCY,KOVILPATTI	VIMAL AGENCY ,KOVILPATTI	02/01/2019	31/05/2019	1
Project work	A STUDY ON CASH MANAGEMENT AT FIBO MACRO MICRO AUTO SPARES PVT LTD	FIBO MACRO MICRO AUTO SPARES PVT LTD	02/01/2019	31/05/2019	1
Project work	A COMPARATIVE STUDY ON HSBC AND HDFC MUTUAL FUND WITH RESPET TO NIFTY INDEX AT SINGLE WINDOW SECURITIES,MADURAI	SINGLE WINDOW SECURITIES,MADURAI	02/01/2019	31/05/2019	1
Project work	A STUDY ON COMPARATIVE FINANCIAL PERFORMANCE OF SELECTED PRIVATE BANKS AT	EMKAY GLOBAL FINANCIAL SERVICES LIMITED, MADURAI	02/01/2019	31/05/2019	1

	EMKAY GLOBAL FINANCIAL SERVICES LIMITED, MADURAI				
Project work	A STUDY ON COMPARATIVE EQUITY FUND AND BOUD FUND AT KOTAK MUTUAL FUND LIMITED ,MADURAI	KOTAK MUTUAL FUND LIMITED ,MADURAI	02/01/2019	31/05/2019	1
Knowledge Gain	Inplant Training	TANTRANSCO, Madurai	13/05/2019	17/05/2019	17
Knowledge Gain	Inplant Training	TANTRANSCO, Madurai	03/06/2019	07/06/2019	5
Project work	A COMPARATIVE STUDY ON RUPEE COST AVERAGING VALUE COST AVERAGING TECHNIQUES IN MUTUAL FUND AT RELIANCE NIPPON LIFE ASSET MANAGEMENNT LIMITED.	RELIANCE NIPPON LIFE ASSET MANAGEMENNT LIMITED.	02/01/2019	31/05/2019	1
Project work	A STUDY ON INVENTORY MANAGEMENT AT PKR FASHION CLOTHES ,THIRUPUR	PKR FASHION CLOTHES ,THIRUPUR	02/01/2019	31/05/2019	1
Project work	A STUDY ON EMPLOYEE RETENTION STRATEGY AT HCL TECNOLOGIES LTD, MADURAI	HCL TECNOLOGIES LTD, MADURAI	02/01/2019	31/05/2019	1
Project work	A STUDY OF DERIVATIVES MARKET IN INDIA AT ZEBU SHARE AND WEALTH MANAGEMENT PVT LTD, MADURAI	ZEBU SHARE AND WEALTH MANAGEMENT PVT LTD, MADURAI	02/01/2019	31/05/2019	1

Project work	A PROJECT REPORT ON IMPLEMENTATION THE DIGITAL MARKETING FOR SYSTEM INFOTECH SECURITAS	SYSTEM INFOTECH SECURITAS	02/01/2019	31/05/2019	1
Project work	A STUDY ON FUNDAMENTAL ANALYSIS OF EQUITY SHARES AT EDELWEISS BROKING LTD, MADURAI	EDELWEISS BROKING LTD, MADURAI	02/01/2019	31/05/2019	1
Project work	A STUYDY ON EMPLOYEE WORK LIFE BALANCE AT AAVIN DAIRY LIMITED, MADURAI	AAVIN DAIRY LIMITED, MADURAI	02/01/2019	31/05/2019	1
Project work	A STUDY ON WORK LIFE BALANCE OF EMPLOYEES AT HCL TECHNOLOGIES LIMITED, MADURAI.	HCL TECHNOLOGIES LIMITED, MADURAI.	02/01/2019	31/05/2019	1
Project work	A STUDY ON DIGITAL MARKETING AT JUSTDIAL PVT LTD	JUSTDIAL PVT LTD	02/01/2019	31/05/2019	1
Project work	A STUDY ON OUTDOOR ADVERTISEMENT IN ADINN AD AGENCY PRIVATE LIMITED	ADINN AD AGENCY PRIVATE LIMITED	02/01/2019	31/05/2019	1
Project work	A STUDY ON HOME LOAN IN CHOLAMANDALAM INVESTMENT FINANCE COMPANY LIMITED MADURAI	CHOLAMANDALAM INVESTMENT FINANCE COMPANY LIMITED MADURAI	02/01/2019	31/05/2019	1
Project work	A STUDY ON WORKING CAPITAL MANAGEMENT	MADURAI DISTRICT COOPERATIVE MILK	02/01/2019	31/05/2019	1

	AT MADURAI DISTRICT COOPERATIVE MILK PRODUCERS UNION	PRODUCERS UNION			
Project work	A STUDY ON ACTIVITY BASED COSTING AT HIRANMAYEE RUBBER PRIVATE LIMITED	HIRANMAYEE RUBBER PRIVATE LIMITED	02/01/2019	31/05/2019	1
Knowledge Gain	Inplant Training	TANTRANSCO, Madurai	27/05/2019	31/05/2019	10
Knowledge Gain	Inplant Training	TANTRANSCO, Madurai	06/05/2019	10/05/2019	5
Knowledge Gain	Inplant Training	BHEL, Thirumayam	04/06/2019	06/06/2019	2
Knowledge Gain	Inplant Training	BALI Instruments, Chennai	13/05/2019	16/05/2019	4
Knowledge Gain	Inplant Training	CSIRCENTRAL ELECTRO CHEMICAL RESEARCH INSTITUTE, , Karaikudi	03/06/2019	14/06/2019	1
Knowledge Gain	Inplant Training	GHCL LIMITED	28/05/2019	01/06/2019	5
Knowledge Gain	Inplant Training	GHCL LIMITED	05/06/2019	15/06/2019	1
Knowledge Gain	Inplant Training	RAIL NET SOFTWARE SOLUTIONS,Madurai	27/05/2019	01/06/2019	5
Knowledge Gain	Inplant Training	MADURA STEEL INDUSTRIES PRIVATE LIMITED, Dindugul	28/05/2019	30/05/2019	2
Knowledge Gain	Inplant Training	RAIL NET SOFTWARE SOLUTIONS,Madurai	03/06/2019	08/06/2019	1
Knowledge Gain	Inplant Training	MEENAKSI MISSION HOSPITAL RESEARCH CENTRE	11/06/2019	15/06/2019	1
Knowledge	Inplant	BHARAT	27/05/2019	31/05/2019	2

Gain	Training	SANCHAR NIGAM LIMITED., Madurai			
Knowledge Gain	Inplant Trainingq	BESTECH ELECTRICAL ENGINEERING, MADURAI	13/06/2019	15/06/2019	3
Knowledge Gain	Inplant Training	MADURAI MEENATCHI ELECTRICALS, MADURAI	10/06/2019	15/06/2019	1
To update Knowledge for doing Project	Internship training	Lucid Imaging, Bangalore	05/12/2018	14/05/2019	1
To update Knowledge for doing Project	Internship training	VI solutions, Bangalore	04/02/2019	08/03/2019	1
To update Knowledge for doing Project	Internship training	Amphisoft Technologies Private Limited , Coimbatore	02/01/2019	30/06/2019	1
To update Knowledge for doing Project	Internship training	ChainSys (India) Pvt. Ltd, Chennai	01/01/2019	03/03/2019	1
To update Knowledge for doing Project	Internship training	Data Patterns (India) Pvt Ltd, Chennai	03/12/2018	30/06/2019	1
To update Knowledge for doing Project	Internship training	GrowSmart SMB solutions Pvt Ltd, Chennai	02/01/2019	31/03/2019	1
To update Knowledge for doing Project	Internship training	Fighter Wings Aviation Academy, Chennai	01/02/2019	30/04/2019	1
To update Knowledge	Internship training	Webtoall, Madurai	27/02/2019	10/03/2019	2
To update Knowledge	Internship training	Entuple Technologies Private Limited, Bangalore	27/05/2019	21/06/2019	4
To update Knowledge	Internship training	Pantech solutions, Chennai	10/06/2019	14/06/2019	1

To update Knowledge	Internship training	Silicon Software Services,Madurai	04/06/2019	08/06/2019	4
Update knowledge in network field	Internship training	Networkz Systems, Madurai	27/05/2019	09/06/2019	2
To update Knowledge	Internship training	Kaashiv Infotech, Chennai	01/06/2019	05/06/2019	5
To update Knowledge	Internship training	Kaashiv Infotech, Chennai	08/06/2019	12/06/2019	3
To update Knowledge	Internship training	Matrix Inspection and Engineering Services Pvt.Ltd NDT, Hosur	10/06/2019	18/06/2019	1
Project work	A STUDY ON EFFECTIVENESS OF PERFORMANCE APPRAISAL SYSTEM FOR EMPLOYEES AT BRPL,MADURAI.	BRPL,MADURAI.	02/01/2019	31/05/2019	1
Project work	A STUDY ON PERFORMANCE EVLUATION OF PUBLIC AND PRIVATE SECTOR MUTUAL FUNT HDFE ASSET MANAGEMET COMPANY	HDFE ASSET MANAGEMET COMPANY	02/01/2019	31/05/2019	1
Project work	A STUDY ON EMPLOYEES JOB SATISFACTION TOWARDS WORK PLACE, TVS AUTOMOBILE SOLUTIONS PRIVATE LIMITED, MADURAI	TVS AUTOMOBILE SOLUTIONS PRIVATE LIMITED, MADURAI	02/01/2019	31/05/2019	1
Project work	A STUDY ON CAPITAL BUDGETING AT	GXMR ENGINEERING WORKS TRICHY	02/01/2019	31/05/2019	1

		GXMR ENGINEERING WORKS TRICHY				
Project work	A STUDY ON EMOTIONAL INTELLIGENCE AT HCL TECHNOLOGIES LIMITED, MADURAI	HCL TECHNOLOGIES LIMITED, MADURAI	02/01/2019	31/05/2019	1
Project work	A STUDY ON JOB SATISFACTION AMONG EMPLOYEES AT MADURAI DISTRICT COOPERATIVE MILK PRODUCERS UNION	MADURAI DISTRICT COOPERATIVE MILK PRODUCERS UNION	02/01/2019	31/05/2019	1
Project work	A STUDY ON RECEIVABLES AND PAYABLES MANAGEMENT AT T.V.SUNDARAM IYENGAR SONS (P) LTD.,	T.V.SUNDARAM IYENGAR SONS (P) LTD.,	02/01/2019	31/05/2019	1
Project work	A STUDY ON WAYS OF MOTIVATION THE EMPLOYEES AT KARPAGAM COTTON INDUSTRY	KARPAGAM COTTON INDUSTRY	02/01/2019	31/05/2019	1
Project work	A STUDY ON CUSTOMER SATISFICATION TOWARDS JUSTDIAL LTD, CHENNAI	JUSTDIAL LTD, CHENNAI	02/01/2019	31/05/2019	1
Project work	A STUDY ON TRAINING AND DEVELOPMENT PROCESS AT HOPP GLASS IDUSTRY	HOPP GLASS INDUSTRY	02/01/2019	31/05/2019	1
Project work	A STUDY ON INVESTER PERCEPTION INDIAN STOCK MARKET AT ZEBU SHARE	ZEBU SHARE AND WEALTH MANAGEMENT LTD, MADURAI	02/01/2019	31/05/2019	1

		AND WEALTH MANAGEMENT LTD, MADURAI				
Project work	A STUDY ON FINANCIAL PERFORMANCE OF THE SORNAM MOTORS	THE SORNAM MOTORS	02/01/2019	31/05/2019	1
Project work	A STUDY BASED CASH MANAGEMENT IN HIRANMAYEE RUBBER PRIVATE LIMI TED,MADURAI	HIRANMAYEE RUBBER PRIVATE LIMI TED,MADURAI	02/01/2019	31/05/2019	1
Industrial Exposure	Inplant training	Railnet Software Solutions Railway colony, Madurai625 018	10/06/2019	15/06/2019	1
Industrial Exposure	Inplant training	TVS Tyres, Madurai	16/04/2019	17/04/2019	1
Industrial Exposure	Inplant training	Railnet Software Solutions Railway colony, Madurai625 018	28/05/2019	03/06/2019	2
Industrial Exposure	Inplant training	MCT Engineers, Anna Nagar, Madurai625 020	25/05/2019	08/06/2019	3
Industrial Exposure	Inplant training	ABT Industries Limited, Automation D ivision,madu rai625 018	27/05/2019	12/06/2019	1
Industrial Exposure	Inplant training	Sun pressing, Madurai	29/05/2019	05/06/2019	1
Industrial Exposure	Internship Training	Tafe , Madurai	10/05/2019	29/06/2019	4
Industrial Exposure	Internship Training	Sundaran Industries Private Limited, Madurai	10/05/2019	29/05/2019	1

summer tranning / internship	Organisational study	Reliance Retail, Madurai	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	Amutha Cottage Industries, Madurai	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	Flash Business Solution, Madurai	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	HCL Training Staffing Private Limited, Madurai	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	Aditya Birla Capital, Madurai	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	Astute Corporate Service Private Limited, Pune	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	TVS Rubber, Madurai	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	Guna Motors – Yamaha, Madurai	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	Kalyani Associate (P) Ltd., Madurai	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	Linga Motors, Madurai	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	Reliance Retail, Madurai	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	Yoga Plastic, Madurai	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	Reliance Retail, Madurai	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	Sri Soundara Vilas Modern Rice Mill, Madurai	01/06/2019	30/06/2019	1

summer tranning / internship	Organisational study	HCL Training Staffing Private Limited, Madurai	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	Alice Blue Commodities Private Limited , Madurai	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	Reliance Retail, Madurai	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	Audi, Madurai	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	KwalityCoil Product Pvt. Ltd, Madurai	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	HCL Training Staffing Private Limited, Madurai	01/06/2019	30/06/2019	2
summer tranning / internship	Organisational study	Reliance Retail, Madurai	01/06/2019	30/06/2019	2
Summer tranning / internship	Organisational study	Amutha Cottage Industries, Madurai	01/06/2019	30/06/2019	4
Summer tranning / internship	Organisational study	Aditya Birla Capital, Madurai	01/06/2019	30/06/2019	1
Summer tranning / internship	Organisational study	Guna Motors – Yamaha, Madurai	01/06/2019	30/06/2019	1
Summer tranning / internship	Organisational study	Daffodills India Technologies, Coimbatore	01/06/2019	30/06/2019	2
Summer tranning / internship	Organisational study	Royal Furn, Madurai	01/06/2019	30/06/2019	1
Summer tranning / internship	Organisational study	Sputnik Infotech, Madurai	01/06/2019	30/06/2019	1
Summer tranning / internship	Organisational study	HCL Training Staffing	01/06/2019	30/06/2019	2

		Private Limited, Madurai			
Summer tranning / internship	Organisational study	Peacock Apparels (P) Ltd, Madurai	01/06/2019	30/06/2019	1
Summer tranning / internship	Organisational study	Vertex Research Centre, Tirupur	01/06/2019	30/06/2019	1
Summer tranning / internship	Organisational study	United India Insurance Co. Ltd, Madurai	01/06/2019	30/06/2019	1
Summer tranning / internship	Organisational study	CEE GEE Electronic Corporate, Madurai	01/06/2019	30/06/2019	1
Summer tranning / internship	Organisational study	T V Sundara mIyengar Sons Private Limited , Madurai	01/06/2019	30/06/2019	1
Summer tranning / internship	Organisational study	Astute Corporate Service Private Limited, Pune	01/06/2019	30/06/2019	1
Summer tranning / internship	Organisational study	PRIDIW Poly Industries, Madurai	01/06/2019	30/06/2019	1
Project work	A STUDY ON EFFECTIVENESS OF RECRUITMENT SOURCES IN ATTRACTING QUALIFIED CANDIDATES, TCS, CHENNAI	TCS, CHENNAI	02/01/2019	31/05/2019	1
Project work	A STUDY ON FINANCIAL ANALYSIS AT IDBI FEDERAL LIFE INSURANCE CO.LTD, COIMBATORE	IDBI FEDERAL LIFE INSURANCE CO.LTD, COIMBATORE	02/01/2019	31/05/2019	1
Project work	A STUDY ON EMPLOYEE WELFARE MEASURES IN	BHARGAVE RUBBER PVT LTD, MADURAI	02/01/2019	31/05/2019	1

	BHARGAVE RUBBER PVT LTD, MADURAI				
Project work	A STUDY ON EMPLOYEE MOTIVATION AT HCL TECHNOLOGIES LIMITED, MADURAI.	HCL TECHNOLOGIES LIMITED, MADURAI.	02/01/2019	31/05/2019	1
Project work	A STUDY WORKING CAPITAL MANAGEMEN AT BHARGAVE RUBBER (P)LTD	BHARGAVE RUBBER (P)LTD	02/01/2019	31/05/2019	1
Project work	A STUDY ON CUSTOMER PREFERENCE TOWARDS AIRTEL AS A SERVICE PROVIDER	AIRTEL AS A SERVICE PROVIDER	02/01/2019	31/05/2019	1
BOTS PDF Automation	Internship Project	Honeywell Technology Solutions Lab Pvt.Ltd, Madurai	01/07/2018	01/01/2019	3
Embedded Systems(Learn Adruino based C Programming,Learn various types of Sensors and connectivity with the adruino and done a project based on that)	Inplant training	CodeBind Technologies,Trichy	03/12/2018	07/12/2018	3
GSM/ Power plant Overall view	Inplant training	BSNL, Madurai SSA	27/05/2019	31/05/2019	1
Communication and Navigation systems in Airport,IT equipments, devices used in airport	Inplant training	Airport Authority of India, Madurai Airport	03/06/2019	07/06/2019	2

safe landing and take off					
Web Development	Inplant	CodeBind Technologies107, N Usman Rd, Postal Colony, T. Nagar, Chennai, Tamil Nadu 600017	03/06/2019	07/12/2019	1
Railway data network and functionality of components used in automated train platform	Inplant	Railnet Software solutions 18 a, Manjanakara St, Mahal Area, Madurai Main, Madurai, Tamil Nadu 625001	03/06/2019	08/06/2019	1
Project Training	Internship	Aricent technologies No.263/3, ASV Chandilya Towers, SH 49A, Thoraipakkam, Chennai, Tamil Nadu 600096	01/01/2019	01/04/2019	2
Knowledge Representation	Internship	Lucid Imaging 315/A, 2nd Floor, 9th Main Rd, 5th Block, Jayanagar, Bengaluru, Karnataka 560041	03/12/2018	31/05/2019	2
Project Training	Internship	Treniq Stage 2, Hoysala Nagar, Indiranagar, Bengaluru, Karnataka 560038	01/12/2018	31/05/2019	1
Knowledge Representation	Internship	Deity Technologies Pvt. Ltd. 5, Kamala First Street,	01/01/2019	30/06/2019	1

		Chinna Chokkikulam, 625108, Chockikulam, Madurai, Tamil Nadu 625002, Madurai			
Ground Training	Internship	Fighter Wings Aviation Academy, 225,226 , 3rd floor No :172 aahat plaza,Arcot road, vadappalani Chennai 26	01/02/2019	30/04/2019	1
Industrial Exposure	Inplant Training	ARUTHRA AUTOS, Plot No 11 A,Amibika Theater Complex,Anna Nagar.Madura i20	10/07/2018	12/07/2018	6
Propagating Quality Concepts to the Industry	Knowledge Transfer	Quality Circle Forum of India, Madurai Chapter	22/09/2018	23/09/2018	1
Propagating Quality Concepts to the Industry	Knowledge Transfer	Jayalakshmi Textiles Private Limited	15/11/2018	15/11/2018	1
Propagating Quality Concepts to the Industry	Knowledge Transfer	Divyalakshmi Textiles Private Limited	15/11/2018	15/11/2018	1
Propagating Quality Concepts to the Industry	Knowledge Transfer	Rajus' College, Rajapalayam	15/11/2018	15/11/2018	1
Propagating Quality Concepts to the Industry	Knowledge Transfer	Rajus' College, Rajapalayam	29/12/2018	29/12/2018	1
Propagating Quality Concepts to the Industry	Knowledge Transfer	Quality Circle Forum of India, Madurai Chapter	25/05/2019	25/05/2019	1
Industrial	Inplant	CSIR CECRI,	03/06/2019	14/06/2019	3

Exposure	Training	Karaikudi			
Industrial Exposure	Inplant Training	TVSUNDRAM IYENGER SONS, Madurai	06/06/2019	15/06/2019	1
Industrial Exposure	Inplant Training	RAIL NET SOFTWARE SOLUTIONS, Madurai	10/06/2019	15/06/2019	5
Industrial Exposure	Inplant Training	TNSTC, Madurai	20/06/2019	29/06/2019	5
LithiumIon Battery Science and Technology	Inplant training	CECRI,Karaik udi	03/06/2019	14/06/2019	2
Project knowledge	Internship Programme	Virtualgodow n Technologies Private Limited	09/06/2018	13/07/2018	1
Project knowledge	Internship Programme	Dotcom Infoway Pvt Ltd	27/05/2019	04/07/2019	1
Project work	A STUDY ON JOB ATTRITION IN HERITAGE MADURAI	HERITAGE MADURAI	02/01/2019	31/05/2019	1
Project work	A STUDY ON FINANCIAL PERFORMANCE ANALYSIS IN SREE VIDYA RUBBER INDUSTRIES, MADURAI	SREE VIDYA RUBBER INDUSTRIES, MADURAI	02/01/2019	31/05/2019	1
Project work	A STUDY ON PERFORMANCE ANALYSIS OF SELECTED ADITYA BIRLA SUN LIFE MUTUAL FUND SCHEMES	ADITYA BIRLA SUN LIFE MUTUAL FUND SCHEMES	02/01/2019	31/05/2019	1
Project work	A STUDY ON TECHNICAL ANALYSIS OF EQUITY SHARE AT EMKAY GLOBAL FINANICAL SERVICES LIMITED, MADURAI	EMKAY GLOBAL FINANICAL SERVICES LIMITED, MADURAI	02/01/2019	31/05/2019	1

Project work	A STUDY ON WORKING CAPITAL MANAGEMENT AT T.V.SUNDARAM INDUSTRIES (P) LTD., MADURAI	T.V.SUNDARAM INDUSTRIES (P) LTD., MADURAI	02/01/2019	31/05/2019	1
Project work	A STUDY ON WORKING CAPITAL MANAGEMENT AT DSM TEXTILES, KARUR	DSM TEXTILES, KARUR	02/01/2019	31/05/2019	1
Project work	A STUDY ON CAPITAL STRUCTURE ANALYSIS OF DRA WINEN PLATE INDUSTRY AT MADURAI	WINEN PLATE INDUSTRY AT MADURAI	02/01/2019	31/05/2019	1
Project work	A STUDY ON CUSTOMER SATISFACTION ON LUX IN AND AROUND MADURAI CITY WITH KANTAR IMRB	KANTAR IMRB	02/01/2019	31/05/2019	1
Project work	A STUDY ON RECRUITMENT AND SELECTION PROCESS AT HCL TECHNOLO GIES, MADURAI	HCL TECHNOLO GIES, MADURAI	02/01/2019	31/05/2019	1
Project work	A STUDY ON HUMAN RESOURCES POLICIES AND PRACTICES AT THENI GURU KRISHNA TEXTILE MILLS,THENI	THENI GURU KRISHNA TEXTILE MILLS,THENI	02/01/2019	31/05/2019	1
Project work	A STUDY ON EMPLOYEE ENGAGEMENT AND WORK CULTURE AT HCL TECNOLOG	HCL TECNOLOG IESLTD, MADURAI	02/01/2019	31/05/2019	1

		IESLTD, MADURAI				
Project work	A STUDY ON FINANCIAL SOUNDNESS OF THE HTNUTRO BOILER SOUTH INDIAN PVT.LTD	HTNUTRO BOILER SOUTH INDIAN PVT.LTD	02/01/2019	31/05/2019	1
Project work	A STUDY ON EQUITY STOCK ANALYSIS FOR SHARE PRICE VALUE AND AVERAGE MOVEMENT AT INDIA NIVESH SECURITIES LTD, MUMBAI	INDIA NIVESH SECURITIES LTD, MUMBAI	02/01/2019	31/05/2019	1
Project work	A STUDY ON EMPLOYEES HEALTH AND SAFETY MEASURES AT INDIAN FOODS PVT.LTD	INDIAN FOODS PVT.LTD	02/01/2019	31/05/2019	1
Project work	A STUDY ON SUPPLY CHAIN MANAGEMENT TO MEET CUSTUMER DEMAND IN LAKSHMI CARGO COMPANY LTD, MADURAI	LAKSHMI CARGO COMPANY LTD, MADURAI	02/01/2019	31/05/2019	1
Project work	A STUDY ON PERFORMANCE EVALUATION MUTUAL FUND WITH OTHER MUTUAL FUNDS AT RELIANCE NIPPON LIFE ASSET MANAGEMENT LIMITED, MADURAI.	RELIANCE NIPPON LIFE ASSET MANAGEMENT LIMITED, MADURAI.	02/01/2019	31/05/2019	1
Project work	A STUDY ON EMPLOYEE JOB SATISFACTION AT SORNAM MOTORS.	SORNAM MOTORS.	02/01/2019	31/05/2019	1
Project work	PERFORMANCE APPRAISAL	HCL TRAINIG AND STAFFING	02/01/2019	31/05/2019	1

	BIAS IN IT INDUSTRY AT HCL TRAINIG AND STAFFING SERVICES PVT LTD, MADURAI	SERVICES PVT LTD, MADURAI			
Project work	TRAINING AND DEVELOPMENT AT HCL TECHNOLOGIES , MADURAI	HCL TECHNOLOGIES , MADURAI	02/01/2019	31/05/2019	1
Industrial Exposure	Inplant training	Railnet Software Solutions Railway colony, Madurai625 018	27/05/2019	01/06/2019	2
Project knowledge	Inplant Training	Silican Software Services	07/12/2018	12/12/2018	6
Project knowledge	Inplant Training	Guvi Technologies	25/02/2019	25/03/2019	2
Project knowledge	Inplant trainingNS2	DLK Carrer Development	10/06/2019	15/06/2019	1
Project knowledge	Inplant training	Madras Atomic Power Station	27/05/2019	01/06/2019	1
Project knowledge	Inplant training	Rail Net software solutions	10/06/2019	15/06/2019	2
Project Work	STUDENTS INTERNSHIP	icanD Virudhunagar Kamaraj Memorial Software Pvt. Ltd., Madurai	01/12/2018	01/05/2019	3
Project Work	STUDENTS INTERNSHIP	Nandha Infotech, Coimbatore	01/12/2018	01/05/2019	1
Project Work	STUDENTS INTERNSHIP	Zencode Solutions Pvt. Ltd., Chennai	01/12/2018	01/05/2019	3
Project Work	STUDENTS INTERNSHIP	Net Tel Solutions India Pvt. Ltd., Coimbatore	01/12/2018	01/05/2019	2
Project Work	STUDENTS INTERNSHIP	Live Stream Technologies , Coimbatore	01/12/2018	01/05/2019	1

Project Work	STUDENTS INTERNSHIP	Elysium Technologies Private Limited, Madurai	01/12/2018	01/06/2019	1
Project Work	STUDENTS INTERNSHIP	Surya Informatics Solutions Pvt. Ltd., Chennai	01/12/2018	01/05/2019	3
Project Work	STUDENTS INTERNSHIP	Kshathriya Technologix Software Development Private Limited, Madurai	01/12/2018	01/05/2019	1
Project Work	STUDENTS INTERNSHIP	Smart Solutions integrated with TCPS (SSIT), Devakottai	01/12/2018	01/05/2019	1
summer tranning / internship	Organisational study	Yeshopo, Madurai	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	Alice Blue Commodities Private Limited, Chennai	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	TVS Srichakra Limited, Madurai	01/06/2019	30/06/2019	1
summer tranning / internship summer tranning / internship	Organisational study	T V Sundara mIyengar Sons Private Limited, Madurai	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	Kasim Textiles mills Pvt. Ltd, Madurai	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	KPL Steel Pvt Ltd, Dindigul	01/06/2019	30/06/2019	1
summer tranning / internship	Organisational study	Sri SaiKrishnas Marketing Pvt. Ltd. SURABHI	01/06/2019	30/06/2019	1

	SUZUKI, Madurai				
summer tranning / internship	Organisational study	Linga Motors, Madurai	01/06/2019	30/06/2019	1

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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Centre of Excellence, Coimbatore Institute of Technology, Coimbatore, (COECIT)	30/01/2018	1. Collaborative teaching including joint training and supervision of Bachelors, Masters and Ph.D. degree students. 2.Collaborative research. 3.Exchange visits by faculty, researchers and students.	120
Pentaxial Technologies,Madurai	02/03/2018	Value Added Training for students/Placement	200
ICT Academy	19/08/2019	PHP and Mysql training	134
AWS MoU	02/07/2018	AWS CP	55
Texas instruments	02/07/2018	Robotics system lab kit RSLK using MSP432 24.01.2019 25.01.2019	36
Madurai Productivity Council (MPC) Professional Body	02/07/2018	One Day Workshop on CATIA for Integrated Solutions One Day Workshop on 3R and ISO 14000	137
Honeywell Technologies Solutions Lab Pvt. Ltd	02/07/2018	Remote Project Mentoring Program	15

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
100	57.43

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Others	Newly Added
Others	Newly Added
Others	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Office Automation	Fully	6	2015

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	68355	26572000	140	54317	68495	26626317
Reference Books	3027	2100000	0	0	3027	2100000
e-Books	678	0	0	0	678	0
Journals	135	403260	5	22500	140	425760
e-Journals	9	6724218	2	523715	11	7247933
Digital Database	125	0	10	0	135	0
CD & Video	3086	0	12	0	3098	0
Weeding (hard & soft)	0	0	90	17000	90	17000
Others(specify)	25	0	5	0	30	0
Others(specify)	150	0	5	0	155	0

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional

(Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platformon which module is developed	Date of launching e-content
All Faculty Members	Course content, Question Bank, Lab Manuals, Quiz, Assignment	Moodle 3.7, Lamp Server,UBUNTU, Google Forms , KLNCE LMS	25/06/2018

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	1741	1426	1741	10	176	75	18	187	36
Added	0	0	0	0	0	0	0	0	0
Total	1741	1426	1741	10	176	75	18	187	36

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

187 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Amrita Interactive and E Learning world	https://www.youtube.com/watch?v=zch-lM1_ECY

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
222	192	392	374

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

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. Computers, Software's UPS: The computers are maintained in the Institution by "Information System Support Group (ISSG)". This division providesthe integrated IT services like smooth running of automation, upgradation and maintenance of automation package, college website, biometric services, troubleshooting of hardware, networking equipment 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, Senior Professors and Guest speakers. The Emergency Van (Ambulance) is available in the college 247 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 ofthe cleanlinessinside the college with the support of Housekeepers and sanitary workers. Laboratory Equipment: The equipment and machines in the laboratory/workshop are maintained by the lab Incharge(s)/workshop InCharge(s) with the advice of HOD through ISSG.

http://www.klnce.edu/Default.aspx

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	KLN Sourashtra College of Engineering Council	8	210000
Financial Support from Other Sources			
a) National	State and Central Government and Private Scholarships	1609	23827570
b)International	None	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Soft skill development	02/07/2018	1891	Six Phrase, Connect, Syasans Career Analytics, SSI Aptech

Remedial coaching	11/09/2018	344	Academic departments of K.L.N. College of Engineering
Language lab	02/07/2018	986	English department of K.L.N. College of Engineering
Bridge courses	03/12/2018	337	Academic departments of K.L.N. College of Engineering
Yoga Meditation	01/02/2019	148	Brahma Kumaris Rajayoga Meditation Center
Personal Counselling	17/07/2018	717	Dr.S.Gomathy, Professional Counselor and Internal Resources
Mentoring	17/07/2018	2293	Academic departments of K.L.N. College of Engineering
[View File](#)			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Continuing Education Cell AMCAT COCUBES	547	821	42	17
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 5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
2	2	15

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
HCL, CTS, TCS,	2262	343	TCS, Infosys,	738	80

Aricent, Infosys, Wind Care India, Sintex BAPL, ICICI, FACE, Sutherland, Six Phrase, Lucid Imaging, Jayshree Spun Bond, Abserve Tech, Zencode, Accent Techno, Chainsys, Apptivo, GPlast, Solver Minds, Amphi Soft, Solaritis, TVS			Robert Bosch, WIPRO, HTS, Tavant, Sutherland, Sonato, Data Pattern, Chainsys, Jman, Tech Mahindra, Auro Lab, PH Data, Green Star Fertilizers, Neeyamo, Niagara, Novac, Byjus, Silicaon Software, Solaritis, Happiest Minds, Accenture, CMS		
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	B.E.	Electronics and Communication Engineering	Mepco Schlenk Engineering College	Master of Business Administration
2019	1	B.E.	Automobile Engineering	Saveetha Engineering College	Master of Business Administration
2019	1	B.E.	Electrical and Electronics Engineering	Anna University, Chennai	M.E., Power Systems Engineering
2019	1	B.E.	Electrical and Electronics Engineering	K.L.N. College of Engineering	Master of Engineering in Power Systems Engineering
2019	1	B.E.	Electrical and Electronics Engineering	K.L.N. College of Engineering	Master of Engineering in Power Systems Engineering
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
Any Other	9

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

Activity	Level	Number of Participants
Table tennis (Men and Women)	Anna University – Zonal Level	10
Badminton (Men and Women)	Anna University – Zonal Level	13
Cricket (Men and Women)	Anna University – Zonal Level	18
Ball Badminton (Men and Women)	Anna University – Zonal Level	20
KhoKho (Men)	Anna University – Zonal Level	12
Chess (Women)	Anna University – Zonal Level	5
Volley Ball (Men and Women)	Anna University – Zonal Level	28
Basket Ball (Men and Women)	Anna University – Zonal Level	24
Hand Ball (Men)	Anna University – Zonal Level	16
Kabbadi (Men)	Anna University – Zonal Level	12
Football (Men)	Anna University – Zonal Level	18
Athletics (Men and Women)	Anna University – Zonal Level	4
Best Physique	Anna University – Inter Zone	1
Judo (Men and Women)	Anna University – Inter Zone	3
Boxing (Men and Women)	Anna University – Inter Zone	5
K.L.N KRISHNAN Memorial Rolling Cricket Trophy	Inter College level	18
Special Pattimandram	Institution level	13
Cultural Singing and dancing	Institution level	26

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	None	National	0	0	0	None

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

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 among 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 well being of the student on academic, co curricular and extracurricular 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. Department Advisory Committee (DAC) and Unnat Bharat Abhiyan (UBA) scheme provides 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 training 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 SAE INDIA KLNCE Collegiate Club and SPC (Automobile), The Indian Society of Heating Refrigerating and Air Conditioning (Mechanical), Association of Computer Engineers and CSI (Computer Science and Engineering), EINSTEA association (Electronics and Instrumentation Engineering), Elite association (Electrical and Electronics Engineering), Microelectronics Club and Social Club (ECE), ODYSSEY (Mathematics Department), KLNCE Science and Humanities Association (Science and Humanities Departments), Emerging Information Technologist Association (MCA) and GEMS Association and CII Chapter and 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 cultural and literary association conducts cultural activities which provide an opportunity for socialization and self assessment among the students in exhibiting their hidden talents. Extracurricular 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.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

 No

5.4.2 – No. of enrolled Alumni:

| 676 |

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

| 453260 |

5.4.4 – Meetings/activities organized by Alumni Association :

 An alumni meeting was conducted on 5th November 2018 at JC Residency, Madurai.
                      120 members attended the above meeting.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

 1. 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 request from lab incharges and faculty members and forwarded to the Principal for sanction. Principal forwards the overall budget for the college to the management for 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. 2. Academic functioning: The collegeprovides authority at various levels. Each department is given academic freedom by empowering the head of the department and faculty members. Each department is empowered to prepare itsown Time Table, to organize workshops, expert talks and Faculty Development Programs, to plan for inplant training and industrial visits to students etc. Quality Circles: OurCollege has constituted four quality circles namely Quality Circle for Quality Education, Quality circle for successful graduation, Quality Circle for Potential Employability and Quality Circle for Advanced Research and Development. Each quality circle has a convener and faculty members from each department. They used to convene a meeting once in a year to plan the activities for the whole year. Academic Support Units: Various cells such as Prevention of Sexual Harassment (POSH), Women Empowerment Cell, Industry Institute Partnership cell (IIPC), Innovative Promotion Cell (IPC), Staff Development Forum (SDF), Entrepreneurship Development Cell (EDC), Career Development Cell, Continuing Education Cell are constituted with conveners and department representatives. They used to convene meetings with principal in order to review their objectives.

6.1.2 – Does the institution have a Management Information System (MIS)?

| Yes |

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Research and Development	Research and Development cell is formed with a convener and coconveners. This cell requested research proposals from staff and students and scrutinize them with help of external researchers. The staff members who have submitted quality proposals will get a seed amount to execute their project. Students are allowed to get seed amount for their project proposal by including staff members as their guide. After successful implementation of projects, they have been developed into a product if possible and filed for patents. This cell motivates the staff members to involve in research activities by arranging workshops for teaching and non teaching staff. Each staff member is motivated to publish their research work in International Journals with impact factor and also to present their papers in International Conferences organized by IITs and NITs. Best project competition is organized every year by IPC (Innovative Promotion Cell) and best projects were awarded with cash prizes.
Library, ICT and Physical Infrastructure / Instrumentation	Library Central library of the college is responsible for procuring books, journals every year as per the AICTE requirements. PG library is responsible for MBA and MCA departments. College has paid the renewal fees for IEEE online journals. Students and staff can access the online journals from the central library. Each department has its own library with text books, research publications and presentation of their staff members and students. ICT The ICT facilities in the class rooms have been increased. The internet connectivity has also been maintained at 155 Mbps. In order to improve overall utilization of net access to all staff members and students, it has been decided to improve the internet speed. Online test was also conducted for various campus interview processes. Infrastructure / Instrumentation In order to meet the requirements of new regulations, it has been decided to procure systems and other accessories as per the requirement.

Human Resource Management	The strength of teaching faculty is 206 and non teaching is 132. Fifty percent of teaching staff have completed 10 years of service in our college. An average of 10 years of experience among faculties in various departments is a good sign of overall satisfaction. The registration fee is given to staff members to attend workshops, short term courses, faculty Development Programs organized by other colleges. Cash incentive is given to staff members who have published their papers in reputed journals and presented their papers in International Conferences. Seed money is given to staff members for executing their research projects and making them a product. Staff members both teaching and non teaching are provided with medical insurance and provident fund as a sign of welfare practice. Welfare measures implemented by management make the employees to work safely.
Industry Interaction / Collaboration	Our college has Industry Institute Partnership Cell (IIPC) to bridge the gap between Industry and Institute. This cell has a Coordinator and faculty members from each department. This cell plans activities for an academic year and executed it with the help of all stake holders. Each department organizes an expert talk, workshops and faculty development programs with the help of this cell by inviting industrial experts for the benefit of staff members and students. College has a MoU with Infosys and through this MoU, students of various departments got Campus Connect certification from Infosys. College has got MoU with Honeywell which enables the computer science students to get internships in Honeywell. MoU with BSNL helps the students to undergo inplant training in BSNL. Placement Cell of our college organizes oncampus drives with leading industries and 40 of the students got their placement opportunities. Centre for University Industry collaboration (CUIC) of Anna University has also organized campus drives for leading companies like Infosys, Accenture in our college by selecting our college as nodal centre for various college students.
Admission of Students	Admission team headed by Principal is responsible for admission of students.

	This team comprise of faculty members from various departments. They have implemented various admission strategies to improve the number of students admitted in each department. Advertisements were given in leading news papers. Admission of the students is through Single Window counseling system conducted by Anna University, Chennai. Management has admitted students in management quota if they satisfy the minimum requirements. In PG also, 30 of the students were admitted through counseling and remaining 70 were admitted through management. PG departments have their own admission strategies to admit students in their respective departments.
Curriculum Development	Our institution is affiliated to Anna University Chennai. We strictly follow the curriculum prescribed by the Anna University. For each course, staff members are requested to handle one or two content beyond syllabus topics by mentioning them in the lecture schedule.
Teaching and Learning	Academic Calendar is prepared at the beginning of a semester. Department library incharges are requested to prepare the required book list and it has to be submitted to librarian before the commencement of the classes. Librarian has to ensure that adequate books are available for each course for each year. Staff members are informed to prepare notes for their subject and submit it to Academic Audit Committee for verification. Each staff member is requested to prepare a Lesson plan for their course and they have to include content beyond syllabus topics in the Lecture schedule. Soft copy of the class notes, Part A questions with answers and Part B questions are prepared by the staff members and forwarded to mail id of students. Each staff member has to maintain an assessment record which includes attendance details of students, syllabus covered as per the lesson plan, marks scored by students in the internal tests etc. The details in the assessment record have to be verified and signed by Head of the Department at the end of every month. Expert talks, workshops were planned by Head of the Departments for required courses to

	improve the students' performance
Examination and Evaluation	The answer scripts for the internal exams were kept ready by the examination cell. Examination cell has a chief superintendent and additional superintendents for the smooth conduct of internal examinations. Five set of examinations were conducted by covering the entire syllabus. Internal question papers are set according to Bloom's taxonomy. The quality of question paper was examined by the Academic Audit Committee randomly. Answer scripts were evaluated within 3 days and they were handed over to students with appropriate comments. Marks scored by students were updated in the college automation system within a week. Marks scored by students in the internal exams were analyzed and extra coaching classes were arranged for slow learners. Department meeting is conducted to review the marks scored by the students. Students' performance is also monitored through assignments, Quiz and seminars. For practical exams, one or two model practical examinations are conducted.

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

E-governace area	Details
Planning and Development	College maintains its website www.klnce.edu as a source of information to all its stake holders. Students can make use of this website to know their attendance, internal marks etc. Parents can know the progress of their wards through this website. Employers can make use of this site to know the strength of individual departments. Web links can be utilized by girl students to register their grievances online. It also includes NBA Accreditation details of individual departments, ISO certification details, NAAC Accreditation details for the college, Infrastructure etc. Staff details like workload, leave, contributions are available in the web site. Placement cell uses the web site for intimating the campus drives, coaching classes, eligibility criteria, required skills through web links.
Administration	Principal has created several Whatsapp groups for smooth functioning of the college. He has created a HOD's Whatsapp group and included all head of

	the departments in this group. He used to send messages regarding meetings, staff and students achievements, on campus drives etc to all HoDs. Head of the department, in turn, created Whatsapp group for their department and has included all staff members in this group. The College makes continuous efforts to go paperless in all its administrative and official work. College automation system also helps to maintain transparency in various activities.
Finance and Accounts	Receipts for student tuition fees and other fees are provided from college automation system. Students were allowed to pay their tuition fees using SBI Challans in SBI Branches. They can also pay the fees through online. All accounts are maintained in the college automation system. Finally auditing statements were prepared.
Student Admission and Support	College automation system has created a username and password for each student. College website supports students to know their attendance and internal marks. SMS is sent to students regarding reopening date, placement classes, coaching classes, internal marks, parents Teachers Meeting intimation etc. Placement cell has created Whatsapp groups with individual department students. Information like On Campus drives, special coaching classes for each drive, placement tips for that drive are posted in these Whatsapp groups. The teaching faculty has also created Whatsapp groups to post important notes, solved question papers, list of important questions etc to students' community.
Examination	College conducts 5 internal tests per semester. Two exams were conducted as class tests, another two conducted as centralized internal tests and the last one as model exam. Answer scripts were evaluated and marks are fed into automation system within 3 days. For slow learners retest was conducted and marks are reentered. College also displayed the internal marks on college website for the benefit of students and parents. Online exams are conducted for some of the courses in Google forms by faculty members. Students are motivated to make use of ELearning tools such as Moodle (Modular Object Oriented Dynamic

	Learning Environment) for specific courses. Staff members and students are motivated to do online NPTEL courses and to get certifications. This year 351 teaching staff and students got NPTEL certifications during October 2018 and April 2019 Examinations.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	R.JeyapandiPrathap	NPTEL –AICTE Ten days Faculty Development Programme on "Design of Photovoltaic Systems".	NPTEL	1300
2018	R.Sridevi	NPTEL –AICTE half of one week Faculty Development Programme on "Electric VehiclesPart 1"	NPTEL	1100
2019	R.Sridevi	Elite Certificate earned by CompletingNPTEL Online Certification course on "Digital Circuits".	NPTEL	900
2018	Dr.P.Karpagavalli	AICTE sponsored FDP on Digital Image Processing	NPTEL	1100
2018	Mrs.P.Selvi	AICTE sponsored FDP on Digital Image Processing	NPTEL	1100
2018	L.Meenakshi	AICTE Short term course on "Frontiers in Microwaves"	NPTEL	1600
2018	R.Arunchithra	AICTE Short term course on "Frontiers in Microwaves"	NPTEL	1600

2018	T.R.Muthu	Digital Circuits	NPTEL	1100
2018	Dr.N.Janakiraman	Embedded System Design	NPTEL	5000
2018	B.M.Nagarajan	Emerging Trends in Engineering and Technology	Pandian Saraswathy Yadav Engineering College	1200
2018	S.Brindha	Smart computing and advanced communication	PSNA College of engineering and technology	1000
2018	Dr.S.Miruna Joe Amali	Smart computing and advanced communication	PSNA College of engineering and technology	1000
2018	DR.M.Raghini	One Day Industry Connect cum Research Seminar on Embracing Industry 4.0	Dr.N.G.P. Institute of Technology	900
2018	DR.M.Raghini	TEQIP III workshop on Data Analytics using R programming	Thiagarajar College of Engineering, Madurai	900
2018	Dr.B.Buvaneswari	CSIRSeminar on A Deep dive into edge computing architecture and future of data analytics	K.L.N. College of Engineering	3000
2018	D.Pravin Kumar	Two Days Workshop on IoT	National Institute of Tiruchirappalli	350
2019	D.Pravin Kumar	How to do a good Ph.D?	Anna University, Chennai	820
2018	S.S.Sarmila	ICMR "Deep Learning Applications in medical imaging"	K.L.N. College of Information Technology	500
2018	Dr.R.DelshiHowsalya Devi	ICMR "Deep Learning Applications in medical imaging"	K.L.N. College of Information Technology	500
2018	R.Kirubahari	TEQIP III Workshop on Festival of	Thiagarajar College of Engineering	1000

2018	R.Kirubahari	CSIR Seminar on A Deep dive into edge computing architecture and future of data analytics	K.L.N. College of Engineering	500
2018	S.Brindha	TEQIP III Workshop on Festival of learning IOT and Cloud	Thiagarajar College of Engineering	1000
2019	S.Brindha	AICTESeminar on Industrial applications of soft computing techniques	Thiagarajar College of Engineering	500
2018	Dr. S. Miruna Joe Amali	TEQIP IIIWorkshop on Data Analytics using R programming	Thiagarajar College of Engineering	600
2019	Dr.R.M.Satheesh Kumar	NPTEL Online course on Total Quality Management I	NPTEL	1100
2018	Mr.R.V.SureshBabu	NPTEL Online course on Laws of Thermodynamics	NPTEL	1100
2018	Dr.J.RajeshBabu	NPTEL Online course on Inspection and Quality Control in Manufacturing	NPTEL	1200
2019	Dr.J.RajeshBabu	NPTEL Online course on Total Quality Management I	NPTEL	1100
2018	Mr. N.Rajkumar	NPTEL Online course on " Fundamentals of Manufacturing Process"	NPTEL	1100
2018	S.Suresh	NPTEL Online course on " Nature and Properties of materials"	NPTEL	500
2019	S.Suresh	NPTEL Online	NPTEL	1100

		course on " Material Characterization"		
2018	Mr. G.S. SanthaVenkatesh	NPTEL Online course on " Design Practice II"	NPTEL	900
2019	Mr. G.S. SanthaVenkatesh	NPTEL Online course on " Product Design and Development"	NPTEL	1200
2018	R. Vijayabalan	NPTEL Online course on "Product Design and Innovation"	NPTEL	1100
2018	P.Karthick selvan	NPTEL Online course on " Fundamentals of Manufacturing Process"	NPTEL	1100
2018	Prof.S.Nagammai	Got Elite certificate in NPTEL course on Digital circuits	NPTEL	1100
2018	Dr.A.Umarani	Completed in NPTELACITE one week FDP on Nanotechnology In Agriculture	NPTEL	800
2018	N.VishnuDevi	Completed in NPTELACITE one week FDP on Nanotechnology In Agriculture	NPTEL	1300
2019	V.AravindaRajan	Got Elite certificate in NPTEL course on Introduction to IOT	NPTEL	1100
2018	Mrs.R.Thenmozhi	Completed in NPTELACITE one week FDP on Nanotechnology In Agriculture	NPTEL	1300
2018	V.Malarvizhi	Completed in NPTELACITE one week FDP on Nanotechnology In Agriculture	NPTEL	1300
2018	Dr. P. Sabarinath	NPTEL online course on	IIT Kanpur	1100

Year	Name	Course	Institution	Amount
		"Principles of casting Technology"		
2019	Dr. P. Sabarinath	NPTEL online course on "Manufacturing Process Technology"	IIT Kanpur	1200
2018	ILANKUMARAN S	Two Day Workshop on "Big data Analytics for Cyber Security"	KLNCE	1000
2019	Mrs.R.UmaMaheswari	NPTEL Certification Course on "Programming in c"	NPTEL	1500
2018	Mr. G. M. Nagarajan	NPTEL online course on "Engineering Mechanics – Statics and Dynamics"	IIT Madras	1200
2018	Dr. R. Ashokkumar	NPTEL online course on "Fundamentals of Manufacturing Processes"	IIT Roorkee	1100
2019	Dr. R. Ashokkumar	NPTEL online course on "Manufacturing Process Technology"	IIT Kanpur	1200
2018	Mr. T. L. Vijayakumar	NPTEL online course on "Total Quality Management I"	IIT Madras	1200
2019	Mr. T. L. Vijayakumar	NPTEL online course on "Fundamentals of Welding Science and Technology"	IIT Madras	1500
2018	Mrs. B. Devi	NPTEL online course on "Total Quality Management I"	IIT Madras	1200
2019	Mrs. B. Devi	NPTEL online course on "Fundamentals of Welding Science and	IIT Madras	1500

		Technology"		
2018	Mr. R. Manikandan	NPTEL online course on "Manufacturing Systems Technology I II"	IIT Kanpur	1100
2019	Mr. R. Manikandan	NPTEL online course on "Fundamentals of Manufacturing Processes"	IIT Roorkee	1100
2018	Mr. N. Nagasubramanian	NPTEL online course on "Introduction to Composites"	IIT Kanpur	1100
2019	Mr. T. Samynathan	NPTEL online course on "Steam and Gas Power Systems"	IIT Roorkee	1100
2018	Dr. S. Porselvi	NPTEL online course on "Non conventional energy sources"	IIT Madras	1100
2019	Dr.A.Kannan	NPTEL Certification Course on "Programming in Java "	NPTEL	1100
2019	Mr.R.Somas Kandan	NPTEL Certification Course on "Problem solving through Programming in C "	NPTEL	1100
2019	Dr. S. Venkatesan	NPTEL –AICTE One week Faculty Development Programme on "Introduction to Smart Grid".	NPTEL	1300
2018	A. Marimuthu	NPTEL –AICTE One week Faculty Development Programme on "Electrical Distribution System Analysis"	NPTEL	1300

2018	Dr.P. Loganthurai	Elite Certificate earned by Completing NPTEL Online Certification course on "Fundamentals of Electrical Engineering"	NPTEL	1000
2019	Dr.P. Loganthurai	NPTEL –AICTE One week Faculty Development Programme on "Electrical Distribution System Analysis"	NPTEL	1300
2019	Dr.M. Jegadeesan	NPTEL –AICTE One week Faculty Development Programme on "Electrical Distribution System Analysis"	NPTEL	1300
2018	Dr.J.Sangeetha	Elite Certificate earned by Completing NPTEL Online Certification course on "Digital Circuits".	NPTEL	900
2019	Dr.S.P.Rajaram	NPTEL –AICTE One week Faculty Development Programme on "Electrical Distribution System Analysis"	NPTEL	1300
2018	Dr.A.P.S.Ramalakshmi	NPTEL –AICTE half of one week Faculty Development Programme on "Electric Vehicles Part 1"	NPTEL	1200
2019	M.Jeyamurugan	NPTEL –AICTE	NPTEL	1300

2018		Ten days Faculty Development Programme on "Design of Photovoltaic Systems".		
2018	K.R.Jeyavelumani	NPTEL –AICTE half of one week Faculty Development Programme on "Electric Vehicles Part 1"	NPTEL	1200
2018	V.B. Shakila	Introduction to Abstract and Linear Algebra(NPTEL)	NPTEL	1100
2018	Dr. M. Devarajan	Probability and Statistics (NPTEL)	NPTEL	1200
2018	Dr. S. Sabarinathan	Probability and Statistics(NPTEL)	NPTEL	1200
2018	R. Kalaiselvi	Introduction to Abstract and Linear Algebra(NPTEL)	NPTEL	900
2018	M.Jansiselvarani	Introduction to Abstract and Linear Algebra(NPTEL)	NPTEL	1100
2018	M. Ramya	Introduction to Abstract and Linear Algebra(NPTEL)	NPTEL	1100
2018	G.Pushparajan	Introduction to Abstract and Linear Algebra(NPTEL)	NPTEL	1100
2018	G. B. Kannan	Integral and vector calculus(NPTEL)	NPTEL	1100
2018	M. Jeyalakshmi	Introduction to Abstract and Linear Algebra(NPTEL)	NPTEL	1100
2018	P. Ganeshbabu	Introduction to Operation Research(NPTEL)	NPTEL	900
2018	Dr. A. Raviekkumar	NPTEL Subject Technical	NPTEL	1200

Year						
			English for Engineers			
2018	S.S. Karthick Kumar	NPTEL Subject Technical English for Engineers	NPTEL			1000
2018	P.Manjula	NPTEL Subject Technical English for Engineers	NPTEL			1000
2018	R. P. Mahalakshmi	NPTEL Subject Technical English for Engineers	NPTEL			1000
2018	G. Akila	NPTEL Subject Technical English for Engineers	NPTEL			750
2018	C. Kezia	NPTEL Subject Technical English for Engineers	NPTEL			1000
2018	J. Bimal Roy	NPTEL Subject Technical English for Engineers	NPTEL			1300

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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Anna University Sponsored SixDay Faculty Development Training Programme on Electrical Machines I		20/05/2019	25/05/2019	25	0
2019	AICTE ISTE Refresher Programme /STTP "Enhancement of Smart		06/05/2019	10/05/2019	20	0

		Grid to Smart Cities"					
2019	TI Robotics Systems Lab kit (R SLK)using MSP432		24/01/2019	25/01/2019	1	0
2018	QCQE Effective Use of ICT		09/11/2018	10/11/2018	34	0
2018	VLSI Training		25/09/2018	26/09/2018	42	0
2018	IOT and its applic ations		13/07/2018	14/07/2018	34	0
2019	Machine learning algorithm using matlab		11/01/2019	11/01/2019	58	0
2019	Software Defined Radio and MSO		23/01/2019	23/01/2019	17	0
2018	ICTACT supported FDP on Int roduction to Python		28/12/2018	29/12/2018	30	0
2019	5 days ICTACT Sponsored FDP on Dec larative d evelopment for platform App builders 402		25/03/2019	29/03/2019	19	0
2019	ICTACT supported FDP on AWS cloud prac titioner		17/05/2019	17/05/2019	18	0
2019	CSIR Sponsored national seminar on "A Deep Dive into Edge		29/05/2019	31/05/2019	20	0

	Computing Architectu re and Future of Data Analytics"					
2019	A Two Day State Level Seminar On "Women's Economic E mpowerment : Enhancing Participat ion of Women in Economic d evelopment for Achieving Gender Equality and the Ad vancement of Women		21/03/2019	22/03/2019	100	0
2018	Workshop on Yoga for stress Management		28/07/2018	28/07/2018	29	0
2019	Entreprene urship Awareness Program for Women		06/02/2019	06/02/2019	40	0
2018	Workshop on Deep Learning – Artificial Intelligen ce for Visual perception		05/07/2018	06/07/2018	4	0
2018	Workshop on "HADOOP and Big data Analytics"		26/09/2018	28/09/2018	4	0
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional	Number of teachers who attended	From Date	To date	Duration

development programme				
Implementations and improvement of features and performance of public chat room at Inside Global, Madurai	1	13/06/2019	18/06/2019	6
FDP Free/Open Source Software for AI and Machine learning at TCE,Madurai.	2	01/10/2018	06/10/2018	6
ICTACT FDP on Introduction to Python Programming	4	28/12/2018	29/12/2018	2
Workshop on "Accrediting the Unaccredited Institutions in South Eastern Region	1	01/10/2018	01/10/2018	1
CSIR Sponsored National seminar on "Deep Dive into Edge Computing Architecture and Future of Data Analytics"	2	29/05/2019	31/05/2019	3
Two Day Workshop on "Big data Analytics for Cyber Security"	1	18/09/2018	19/09/2018	2
Anna university cosponsored FDTP on GE8151Problem solving and python programming	1	10/06/2019	15/06/2019	6
Declarative Development for Platform App Builders	3	25/03/2019	29/03/2019	5
Introduction to Python Programming	1	28/12/2018	29/12/2018	2
Artificial	1	14/09/2018	16/09/2018	3

Intelligence and Deep Learning				
Train the Trainer "Data Visualization" Organized Through webinar by Infosys Limited	1	25/07/2018	27/07/2018	3
One day Workshop on Advanced composites for naval applications challenges and opportunities	2	14/02/2019	14/02/2019	1
One day hands on training in "Biofuel production and characterizatio n"	1	21/02/2019	21/02/2019	1
FDP on Entrepre neurship Development	1	12/11/2018	24/11/2018	13
AICTE sponsored Short term course on "Smart sensors for simple sensing to IoT CPS"	1	22/10/2018	27/10/2018	6
Two Day Workshop on IoT	1	05/10/2018	06/10/2018	2
AICTE sponsored One week Short term course on Smart Materials and its Structures	1	03/12/2018	08/12/2018	6
Two Day FDP on Introduction to Python in association with ICTACT	1	28/12/2018	29/12/2018	1
AICTE sponsored FDP on Embedded system design with open source hardware Software A handson	1	17/12/2018	23/12/2018	7

approach				
Industrial Training – Trends in android	1	10/06/2019	15/06/2019	6
Induction / Refresher Programme on Technical tour on Cloud Computing and Big data Analytics Challenges and solutions	4	10/12/2018	15/12/2018	6
Electric and hybrid Vehicles	1	23/05/2019	25/05/2019	3
Thermal Comfort	3	11/10/2018	11/10/2018	1
URJAVARAN	5	26/10/2018	26/10/2018	1
URJAVARAN	1	16/11/2018	16/11/2018	1
FDP for Student Induction Program	1	26/11/2018	28/11/2018	3
NBA Awareness Workshop on Outcome Based Education and Accreditation	1	04/08/2018	04/08/2018	1
Challenges in Materials for Energy Conversion, Storage and Enhancement Applications	1	10/08/2018	11/08/2018	2
Recent Advancement in Solar Conversion and Storage	1	12/11/2018	14/11/2018	3
Digital India Through Solid Modeling and 3D printing Techniques For Indian Industries	2	06/06/2019	19/06/2019	14
Metrology and Measurements	1	13/05/2019	18/05/2019	6
Machine Learning Techniques in	1	10/12/2018	16/12/2018	7

Modern Manufacturing				
One week short term course on Smart Materials and Structures	2	03/12/2018	08/12/2018	6
Anna University Sponsored Six days Faculty Development Training Program on "EE8 301Electrical MachinesI"	4	20/05/2019	25/05/2019	6
one day Confederation of Indian Industry (CII) Tamil Nadu Principal Conference on "Reimagining Higher Education in a Changing World"	1	19/12/2018	19/12/2018	1
"SICCI Food Protech 2018" Food Food Processing Exhibition organized by the Southern India Chamber of Commerce Industry, Chennai	1	30/11/2018	30/11/2018	1
three days Workshop conducted by Tamil Nadu Electrical Inspectorate on "Energy Conservation Building Code".	3	12/06/2019	14/06/2019	3
5th International Conference on Emerging Trends in Multidisciplinary Research	1	20/04/2019	24/04/2019	5
five days Non Residential Intensive preparatory	1	03/09/2018	07/09/2018	5

Training course for Energy Manager/Energy Auditor Candidates				
AICTE ISTE approved Induction/Refresher programmeon"Enhancement of Smart Grid to Smart Cities".	11	06/05/2019	10/05/2019	5
two days Workshop on "Effective Use of ICT Tools in Engineering Education" organized by Quality CircleQuality Education	7	09/11/2018	10/11/2018	2
Anna University Sponsored Six days Faculty Development Training Program on "EE8552Power Electronics"	1	27/05/2019	01/06/2019	6
CSIR Sponsored National Seminar on "Deep Learning for Medical Image AnalysisChallenges Future"	2	29/04/2019	30/04/2019	2
in two day FDP on "Introduction to Python Programming"	1	28/12/2018	29/12/2018	2
Anna University Sponsored Six days Faculty Development Training Program on "EE8591Digital Signal Processing".	1	06/05/2019	11/05/2019	6
Keysight Education Symposium	2	20/09/2018	20/09/2018	1

Effective use of ICT tools in Engineering Education	4	09/11/2018	30/11/2018	2
Xilinx and Vivado design flow high level synthesis flow using Zynq	7	25/09/2018	26/09/2018	2
AICTE –QIP sponsored one week short term course on Embedded system design with open source hardware and software – A hands on approach	1	17/12/2018	23/12/2018	7
Anna University FDTP on EC8251Circuit Analysis	2	10/12/2018	21/12/2018	12
Introduction to Python Programming	1	28/12/2018	29/12/2018	2
AICTE Short term course on "Frontiers in Microwaves"	2	22/10/2018	27/10/2018	6
HR Meet 2019	2	15/03/2019	15/03/2019	1
Machine Learning algorithms using MATLAB	3	23/01/2019	23/01/2019	1
Enhancement of smart grid to smart cities	2	06/05/2019	10/05/2019	5
Embedded System Design	1	25/03/2019	31/03/2019	7
EC6711 Embedded Systems Laboratory	4	27/06/2019	28/06/2019	2
FDTP on EC8391 Control Systems Engineering sponsored by AU	2	20/05/2019	25/05/2019	6
Research issues and opportunities in VLSI Nano electronic	4	12/04/2019	14/04/2019	3

Devices				
Declarative development for Platform APP builders.	1	25/03/2019	29/03/2019	5
Hands on Workshop on " Software defined Radio and MSO"	3	11/01/2019	11/01/2019	1
A Deep Dive into Edge Computing Architecture and Future of Data Analytics"	1	29/05/2019	31/05/2019	3
Womens Economic Empowerment: Enhancing Participation of Women in Economic Development for Achieving Gender Equality and the Advancement of Women	7	21/03/2019	22/03/2019	2
Industrial Training on Networks at G.V Solutions, Madurai	1	07/05/2019	13/05/2019	7
Industrial Training on Networks at G.V Solutions, Madurai	1	10/06/2019	15/06/2019	6
ICT Academy Supported Declarative Development for platform App builders	5	25/03/2019	29/03/2019	5
Infosys Web minar at KLNCE	3	25/07/2018	27/07/2018	3
Two weeks AICTE Sponsored FDP101x Foundation Program in ICT for Education at Thiagarajar College of	1	13/09/2018	21/10/2018	14

Engineering				
Workshop on effective use of ICT tools in Engineering education at KLNCE	1	09/11/2018	10/11/2018	2

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
206	206	132	132

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Financial assistance of Rs.5,000/ for the faculty members of KLNCE for enhancing their knowledge in the form of attending FDP / Seminar / Workshop / Conference. Registration Fee for NPTEL Courses are provided to the faculty members. Group Accident Policy – sum Insured Rs.10.0 Lakhs – Bajaj Allianz General Insurance Company Limited. Interest Free Loan for Marriage, Medical Expenses Children Education. Staff members sponsored for Full Time / Part Time higher studies are paid with monthly salary. Maternity Leave of 2 Months with salary for Ladies Staff. Long Service Certificate Gift – More than 10 Yrs. Continuous service in KLNCE. Staff Incentives: For producing 100 results. For Guiding Ph.D Scholars.	Group medi claim Policy – sum Insured Rs.2.0 Lakhs Bajaj Allianz General Insurance Company Limited. Deepavali Advance of Rs.2,500/ per staff. Free Uniform given to Driver, Conductor, Sweeper, Scavenger, Watchman. Long Service Certificate Gift – More than 10 Yrs. Continuous service in KLNCE. ? Maternity Leave of 2 Months with salary for Ladies Staff.	First Graduate Benefits to Eligible for Govt. Quota Students only. Tuition Fee waiver for SC / ST Students(Govt. Quota Students). Govt. Scholarship for BC / MBC / DNC / SC / ST Student. Minority Scholarship (Christians, Muslims, Sikhs, Buddehs, Zoroaserians. PragathiSaksham Scholarship. Scholarship for Minority (Sourashtra) Students from MeenakshiAranilai, Madurai. Jindal Trust, Bangalore. Accident Death Insurance Policy for UG PG Students. Special Camps for Eye Dental Checkup. Health Care Centre – Free Medical Checkup for I Year Students and Health Care Centre Free Medical Facilities to All Students. Tuition Fee waiver for Sports achiever. Incentive for Innovative Projects. Incentives to Toppers Meritorious Students. Best Project Award. Best Performer Award (year wise). Best Outgoing Students Award.

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The financial statements like income,expenditure, balance sheet and summary of significant accounting policies with other information 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 information for each financial year submitted by the Management of the Engineering College.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
No Data Entered/Not Applicable !!!		
No file uploaded.		

6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	The certification Body of TUV SUD – South Asia Private Limited	Yes	Head of the Institution
Administrative	Yes	The certification Body of TUV SUD – South Asia Private Limited	Yes	Head of the Institution

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

Parents Teachers Meeting was conducted on 29.09.2018 for Parents of Senior Students on 24.11.2018 for Parents of First Year Students for Odd Semester. For Even Semester, it was conducted on 01.03.2018 for Parents of Senior Students 14.03.2018 for the Parents of First Year Students.

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

On Diesel Conservation tips and Good Maintenance Practices for Bus Drivers" in coordination with PCRA from 16.10.2018 to 17.10.2018.

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

ISO 9001:2015 certification visit on 02.11.2018. NBA Inspection visit on 20.02.2019. Participation in NIRF: Submission date : 30.11.2018 Anna University Visit for grant of Autonomous Status in the month of January 2019.	

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	ISO 9001:2015 certification visit	02/11/2018	02/11/2018	02/11/2018	1
2019	NBA Inspection visit	20/02/2019	20/02/2019	20/02/2019	1
2018	Participation in NIRF	30/11/2018	30/11/2018	30/11/2018	10
2018	Faculty Feedback Review	04/07/2018	04/07/2018	06/07/2018	5
2019	Faculty Feedback Review	22/04/2019	22/04/2019	25/04/2019	2
2018	Academic audit :Course material verification	30/11/2018	30/11/2018	30/11/2018	7
2018	Quality Circle Advanced Research and Development (Internal funding for the faculty research project scrutiny meeting)	28/09/2018	28/09/2018	28/09/2018	6
2018	Quality circle -quality education -NPTEL Appreciation function	28/07/2018	28/07/2018	28/07/2018	15

2018	Spoken tutorial -IIT Bombay IIT SPOKEN TUTORIAL CERTIFICATION DETAILS	24/10/2018	24/10/2018	24/10/2018	820
2019	Road Safety Awareness	07/02/2019	07/02/2019	07/02/2019	50
2018	Review meeting of quality circle	13/10/2018	13/10/2018	13/10/2018	11
2018	Review meeting on activities and document verification	15/10/2018	15/10/2018	15/10/2018	10
2018	Review meeting of quality circle on objectives and functioning	20/10/2018	20/10/2018	20/10/2018	12

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Awareness program on legal rights of women	20/12/2018	20/12/2018	235	144
Women Empowerment Programme	02/02/2019	02/02/2019	140	0
Awareness Program on Gender Discrimination	22/02/2019	22/02/2019	40	0
International Women's day celebration	08/03/2019	08/03/2019	91	0
Enhancing participation of women in economic	21/03/2019	22/03/2019	75	12

development for achieving gender equality and the advancement of women					

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Environmental Consciousness and Sustainability initiatives • Tree Plantation in association with Lions Club of Madurai COSMOS (Phase-III) on 20.07.18 with 35 volunteers • Rally about Clean village by 25 numbers Rotoract members of KLNCE on 28.07.18 • Art from Waste by 25 numbers Rotoract members of KLNCE on 29.07.18 • Stage Drama about Sewage by 25 numbers Rotoract members of KLNCE on 30.07.18 • Tree Plantation Create awareness about Deforestation by 25 numbers Rotoract members of KLNCE on 31.07.18 • Awareness programme on Energy saving on 13.08.18 for 95 students by Mechanical Department at Government High School, Virathanoor • Awareness programme on Global warming 13.08.18 for 60 students by Mechanical Department at Government High School, Samanatham • Renewable Energy ,Conservation of Electrical Energy Safety by EEE department on 30.01.19 for 69 Internal Non teaching Faculty • On Diesel Conservation tips and Good Maintenance Practices for Bus Drivers"In Coordination with PCRA on 16.10.18 17.10.18 by EEE department • Conservation of Electrical Energy, Safety Importance of Earthings on 14.07.2018 for 36 Internal Non teaching Faculty by EEE department Percentage of power requirement of the College met by the renewable energy sources • Power requirement met by renewable energy sources – 15.112 KW • Total power requirement by the institute – 320 KW About 5 of Power utilization through solar energy

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1
Ramp/Rails	Yes	1
Braille Software/facilities	No	0
Rest Rooms	No	0
Scribes for examination	Yes	1
Special skill development for differently abled students	No	0
Any other similar facility	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff

2018	1	0	28/07/2018	1	Workshop on "Yoga for Stress Management"	Health Awareness	40
2018	1	0	11/08/2018	1	Awareness Program on General Health Care	Awareness on Health	27
2018	0	1	13/08/2018	1	Scientific principles for school students	Dissemination of Technology	75
2018	0	1	14/09/2018	1	School Visit Competition	Social Responsibilities	50
2019	0	1	04/01/2019	1	Quiz and Oratorical competition	Ethical and Managerial Skills	30
2019	0	1	10/01/2019	1	Founders Day Celebrations Quiz Contest	Easy Learning of Mathematics	100
2019	1	0	01/02/2019	1	Yoga Activity	Health Awareness	103
2019	0	1	15/02/2019	1	One Day Workshop on Integration of Arduino and Proteus for real time Applications	Dissemination of Technology	30
2019	0	1	22/02/2019	1	Quiz Competition and mind activity	Social Responsibilities	95
2019	1	0	10/04/2019	2	Students summer camp	Essential Practices for mechanical Engineer	65
2019	0	1	28/01/2019	1	Exploring English Grammar	English Development	45

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

Title	Date of publication	Follow up(max 100 words)
Code Of Conduct (College Website)	19/09/2018	Students are adhering to the code of conduct strictly. If any misconduct registered, students are directed to respective mentors and counselled/ enquired suitably. Faculty members are also insisted to adhere to the code of conduct

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
"Give Hope, Give Blood, Give life"	15/03/2019	15/03/2019	80
World Refrigeration Day	26/06/2019	26/06/2019	300
"Donate Blood Save Life"	10/08/2018	10/08/2018	69
Patriotism among young minds	15/08/2018	15/08/2018	78
Founder's Day Centenary Celebration – Distribution of bed sheets to Vallalar Old age Home, Anupanadi, Madurai	29/12/2018	29/12/2018	20
Cloth Donation Drive	12/01/2019	12/01/2019	50
Professional Ethics in Electrical Engineering	19/01/2019	19/01/2019	70
101th Founder's day celebration –District level Inter school online quiz program	28/01/2019	30/01/2019	750
Rotaract Youth Leadership Programme	11/02/2019	11/02/2019	36
Blood Donation Camp	13/02/2019	13/02/2019	73
Techno Science Festival	28/02/2019	28/02/2019	71
Founders Day Celebrations English Literacy Program	08/03/2019	08/03/2019	120
Essay Writing on	12/03/2019	12/03/2019	25

Wealth of Minerals in India				

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Paperless office Solar heaters in hostel Sewage treatment plant Solar panel setup Plastic Free campus

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

As one of the best practices, K.L.N.C.E established Industry Collaborative laboratories namely Texas Innovation Laboratory, Honeywell Sentience Laboratory, ISHRAE Laboratory, National Instruments Laboratory and eYantra laboratory. Objective Practice: The main objective is to provide handson learning to engineering students who have limited access to practical training. The goal is to create the next generation of engineers with a practical outlook to take on challenging problems and provide solutions. It aims at training students in various domains like embedded system, robotics, ICP certification on clean rooms, ACDesign, AC Service and other ventilation related areas, Hackathon contest, Natural Language Processing, Data Work Flow, Chat Bot using Machine Language Image Processing, LabVIEW basics, NI hardwares and development of boards using MSP 430, ALSK Pro. Outcome of the practice: • to provide an Opportunity to the student to work on the current technology used in the industry • Students to showcase their innovations in terms of projects which can be engineered as product • Designing a solutions to the industry problems • Research activities in this domain • Develop IoT applications • Students will get the opportunity to learn, analyze, apply their theoretical knowledge, develop skills Evidence of Success: Through eYantra portal , students have come out with four innovative project proposals and two of them were shortlisted for finals. About 21 students belonging to various disciplines have won the Dhrish TI online contest and bagged cash awards worth Rs.50,000/ Financial support have been rendered to carry out innovative projects by students through ISHRAE society Hackathon contest carried out under HTS has resulted up in winning a cash reward of Rs.1,00,000/ The other best practice followed in K.L.N.C.E is inculcating research culture among staff and students through QCARD. Objective QCARD of KLNCE aims to create and develop innovative research among community of academicians which in turn to give frontline practice to student's community in the arena of research. KLNCE believes that acquiring research practices and bringing out new cutting edge technologies among academicians improves the student betterment towards research. QCARD as a best practice emphasizes and set goals for faculty members by enabling them to discover new ideas which ultimately brand them as a knowledge contributor. Context KLNCE is situated in a remote area from town and thus it is indeed necessary to provide research infrastructure for both faculty members and students within the college environment. It is need of the day to compete with competitive research world and thus QCARD motivates faculty members to develop innovative projects with the help of seed funding sponsored by management of KLNCE. Proactive faculty members of the institution get involved and acquire knowledge on research from quality research programs organized by QCARD. QCARD act as a stepping stone for young researchers to face outside world with stateoftheart knowledge The practice: The convener of QCARD convenes frequent meetings among members to convey research oriented activities such as project proposals, quality publications and workshops. QCARD as a research forum motivates domain experts within the college to deliver their area of focus among faculty members which may be an initiative for multidisciplinary projects. To make faculty members to get familiar with research funding, Project scrutiny meeting will be conducted to provide seed fund from management. The practice of submitting proposals in a prescribed format and completion report is cultivated among faculty members.

Patent filing of innovative ideas are also educated to all. The best practices of QCQRD are, 1. Seed funding for internal faculty members. 2. Motivating faculty members for preparing proposals for sponsored research from industries/Govt. /Research Agencies. 3. Conducting Seminars/Workshops/Faculty Development Programs in advanced research topics. 4. Enabling faculty members towards quality publications in international journals and patent filing of innovative ideas. 5. Providing incentives to faculty members who published papers in reputed journals. 6. Motivating faculty members to act as reviewers in reputed journals. Evidence of Success: This forum has conspicuous outcome in developing research culture in education environment. Research proposal writing and its number have been increased among faculty members from inception. Seed funding helps faculty members to come out with innovative ideas and place as stepping stone to develop prototype. The developed prototype is shown as proof of concept for submitting project proposals to external funding agencies. Faculty members use the proof of concept for filing patents. Many of the faculty members improved their quality publications in various international journals. Research supervisors of KLNCE Research Centre motivate their research scholars for quality publication in reputed journals. Among various project proposals submitted, 10 innovative ideas were scrutinized by a panel of members and an amount of Rs.9.5 Lakhs has been sanctioned as SEED fund to develop the models by the Management. Two projects namely Electrostatic conductive Dissipative Coatings and Motorized Vertically Adjustable Black Board were filed for patent and they are under scrutiny.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://www.klnce.edu/Departments/UG/Eie.aspx

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

- The Industry Institute Partnership Cell (IIPC) has been established under in grant aid Scheme of All India Council for Technical Education (AICTE), New Delhi during 2013. • The objective of the Industry Institute Partnership Cell is to reduce the gap between Industry expectations (practice) and Academic offerings (Theory) by direct involvement of industry to attain a symbiosis. • The industry experts and alumni are periodically invited to share their current technological practices in industries. • IIPC signed Memorandum of Understanding (MoU) with industries and industry associations to promote the industrial culture inside the institute. • It endorse the Industrial Consultancy activities among the faculty members and to give the solution to industrial problems. • The faculty members of our institute have a rich industrial consultancy experience in the field of Power Quality, Industrial Harmonic Audit, Energy Audit, Energy Conservation, Internet of Things (IoT) and Industrial Automation. • Through the Industrial Consultancy activities Industry Institute Partnership Cell (IIPC) have many numbers of both public and private industrial clients such as Power, Textiles, Sugar, Steel, Communication, Cement, Rubber, Oil, IT sector, Food Industry and Hospital. • IIP Cell has bagged the awards from SEED, Chennai as Best Industry Institute Partnership Cell (IIPC) and Best IIPC Chief Coordinator award IIPC ACTIVITIES FOR ACADEMIC YEAR 201819 IIPC organized various events during the academic year of 20182019 for the benefit of students and faculty of KLNCE, 33 industrial experts are invited to deliver their expertise as an expert talks on various engineering related topics. 32 Industrial visits have been arranged to impart industrial exposure. More than 100 students had undergone inplant training in various industries in and around Madurai for improving their technical skills. Internship opportunities have been grabbed by 9 final year students in this

academic year. IIPC organized 26 competency development program and 4 personality development program to improve the interpersonal skills of the students. 58 industrial related academic projects were completed by final year students. For the research and development area, 3 project proposals of various domains have been submitted to the funding agency. 17 industry institute exchange programs and 11 faculty members got trained in various industries to update their current trends. An MoU has been signed with Linyi Top network Co. Ltd. China. K.L.N. ENGINEERING TECHNOLOGICAL SOLUTIONS K.L.N. Engineering Technological Solutions (KLNETS) is a registered firm started inside the campus of K.L.N. College of Engineering during November 2017. This firm started with various industrial projects in the area of Power Quality, Energy Audit, Industrial Automation, Internet of Things (IoT), Automobile Innovations, Bio Medical Products etc. These industrial projects are developed by the faculty members of KLNCE as consultancy job from various industries in India and Abroad. Outcome of KLNETS: • To promote the Industrial Consultancy for core industries • To transfer the domain knowledge to the industries based on their needs. • To enhance the internship and in plant training • Helps to initiate the Centre of Excellence, in association with Industries.

Provide the weblink of the institution
http://www.klnce.edu/IIPC/IIPC.asp

8.Future Plans of Actions for Next Academic Year

Research and Development • Faculty members should be motivated to Publish papers in high impact factors journals and in UGC journals. • Faculty members and UG / PG students should be motivated to present their research findings at conferences. • Minimum one IPR Workshop needs to be conducted every year. • Faculty members with Ph.D. should be encouraged to get supervisor recognition Institute – Industry Interaction • Faculty members should encourage the students to take up internship, field trip, onthejob training, research, etc. • All the departments should renew MOUs with industries through regular conduct of events. Institutional Values • Members of POSH WEC should be encouraged to organize the events at regular Interval. • Unnath Bhara Abhiyan should be encouraged to engage with and contribute to local community. Also departments should organise events for nearby village people. • All departments should be encouraged to conduct at least one program related to national festivals and birth/death anniversaries of the great Indian personalities