



K.L.N. COLLEGE OF ENGINEERING

An Autonomous Institution

Pottapalayam – 630 612,

Sivagangai District

Estd. : 1994



**28th COLLEGE ANNUAL DAY
(03.06.2022 - Friday – 10 A.M.)**

**ANNUAL REPORT
2021 - 2022**

VISION

To become a Centre of Excellence in Technical Education and Research in producing Competent and Ethical professionals to the society

MISSION

To impart Value and Need based curriculum to the students with enriched skill development in the field of Engineering, Technology, Management and Entrepreneurship and to nurture their character with social concern and to pursue their career in the areas of Research and Industry.

K.L.N. COLLEGE OF ENGINEERING

Pottapalayam – 630 612, Sivagangai District

28th COLLEGE ANNUAL DAY ANNUAL REPORT

Respected Chief Guest Dr. K. Sivan, Former Secretary, Department of Space, Distinguished Professor, Vikram Sarabhai Space Centre, Respected President of our College **Er. K.N.K. Karthik**, Respected Secretary and Correspondent **Dr. K.N.K. Ganesh**, Respected Treasurer **Shri P.K. Mothilal**, Respected Vice President **Shri. K.B. Radhakrishnan**, Respected Joint Secretary **Shri. K.S. Babjee Gopinath**, Respected Executive Committee members, Respected Council members, Respected Donors, HODs, Staff, Beloved Parents, People from Press and Media and My Dear Students,

Good Morning to you all.

I have a great pleasure in presenting a brief Annual Report about the noteworthy activities of our College for the Academic year 2021-2022.

As you are aware, this College was founded by Amara Shri. K.L.N. Krishnan as Founder President of K.L.N. Sourashtra College of Engineering Council in the year 1994; and has been well-nurtured since then.

Our service to the educational excellence has crossed Twenty eight years, which resulted in focusing this backward region towards the target of potential development and bringing forward the entire society to the exposure of Technical education.

The Executive Committee is monitoring the activities of the College and making collective efforts in maintaining the reputation as one of the Premier Technical Institutions.

1. Major Achievements

1.1 Autonomous Status

College has obtained Autonomous Status from UGC and Anna University for a period of 10 years from 2020 to 2030.

1.2 Extension of NAAC Accreditation status

Our college has been Accredited with B++ grade by National Assessment and Accreditation Committee (NAAC) for five years w.e.f. 30th November 2018 up to November 2023. This accreditation has been extended upto 2025.

1.3. Establishment of Laser laboratory

Laser Laboratory was established with the financial aid from DST, during January 2022 with equipments and accessories costing Rs. 40 lakhs

1.4 NBA – Re-Accreditation details :

Five departments such as Department of Mechanical Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Computer Science and Engineering, B.Tech. Information Technology have been Re-Accredited for 3 years from 01.07.2019 to 30.06.2022. These departments have applied for Re-Accreditation and waiting for re-Accreditation visit in the month of July/August 2022.

1.5 Establishment of new Engineering course

A new course B.Tech. Artificial Intelligence and Data Science B.Tech.(A.I.D.S) has been established with an in-take of 30 students from the Academic year 2021-2022. We have successfully admitted 30 students in this course in Sep'2021.

1.6 Establishment of Co-Curricular Clubs

Eleven Co-Curricular clubs have been established in the year 2021 – 2022 for the benefit of students

21-12-2021

S.NO	CLUB	DEPARTMENT	STAFF INCHARGE
1	Hackathon/Learnathon	IT	Dr.S.Ramesh Mrs.N.Logamithra
2	Microsoft campus club	CSE	Dr. S.Subhashini Ms.S. Sangamithra
3	Google student club	CSE	Mrs.S.Venkatalakshmi Mr.G.R.Naveenkarthik
4	Electronics Innovation club	ECE	Dr.N.Janaki Raman Mr.S.Ravishankar
5	IoT club	IT	Mr.M.Satheesh Kumar Mr.V.Aravindrajan
6	Robotics club	MECH	Dr.D.Satheeshpandian Mr.E.V.GaneshBabu

7	Automation club	EIE	Mr.P.Ravikumar Dr.S.Balamurugan
8	Student quality club	AUE	Mr.N.Rajkumar
9	Web design/coding club	MCA	Mr.R.Somaskandan Mrs.R.Kiruthika
10	Life science club	Mathematics	Dr. S.Sabarinathan Mr. V.Ananth
11	Power quality and energy audit club	EEE	Dr.P.LoganThurai Mr.M.Balamurugan

1.7 Appreciation from MHRD SWAYAM NPTEL

KLNCE has been awarded “A” rating by MHRD Swayam NPTEL as our college had come under top 100 active local chapters.

NPTEL Details

For Jul 2021

	Successfully completed	Elite	Elite+Gold+topper	Elite+Silver	Completed
Faculty	16	6	2	7	1
Student	6	3	1	1	1

For Mar-2022

	Appeared	Successfully completed	Elite	Elite+Gold+topper	Elite+topper
Faculty	15	15		1	
Student	16	16		-	-

1.8 Recognized Supervisors :

Anna University Chennai has recognised the following faculty members of this College as Supervisors for guiding Ph.D. scholars for the year 2020-2021.

- | | | |
|-------|--------------------------|-------------------------------|
| i) | Dr. A.V. Ram Prasad, | Principal |
| ii) | Dr. P. Udhayakumar, | Professor & HOD/ Mech.Engg., |
| iii) | Dr. V.Kejalakshmi, | Professor & HOD / ECE |
| iv) | Dr. R.M. Satheesh Kumar, | Professor & HOD / AuE |
| v) | Dr. T. Jothimurugan, | Director / MBA |
| vi) | Dr. J.K. Subashini, | Professor & HOD / Mathematics |
| vii) | Dr. A. Raviykkumar, | Professor & HOD / English |
| viii) | Dr. M.R. Thansekhar, | Professor / Mech.Engg. |
| ix) | Dr. A.N. Balaji, | Professor/ Mech. Engg. |
| x) | Dr. K. Gnanambal, | Professor / EEE |
| xi) | Dr. S. Venkatanarayanan, | Professor / EEE |

xii)	Dr. S. Parthasarathy,	Professor / EEE
xiii)	Dr. N. Janakiraman ,	Professor / ECE
xiv)	Dr. S. Miruna Joe Amali,	Professor / CSE
xv)	Dr. P. Ganesh Kumar,	Professor / I.T.
xvi)	Dr. A.Umarani,	Professor / EIE
xvii)	Dr. N.R.Ramanujam	Associate Professor 1 / Physics

1.9 GRANTS RECEIVED FROM FUNDING AGENCIES

- Department of Science & Technology (DST) sanctioned a fund of **Rs. 85.35 lakhs** for the project **“Laser based Hydraulic Controlled Variable Length land Leveler cum plough Device with Remote Monitoring system”-Dr. S. Parthasarathy, Prof/EEE** is the Principal Investigator.
- AICTE –ATAL sponsored Online Faculty Development Programme on “Artificial Intelligence Foundations for Power Systems” was held during October 2021, amount sanctioned Rs. 93,000/--Dr. K. Gnanambal, Prof/EEE, is the Co-ordinator.
- Energy Audit Consultancy fund of Rs. 6 Lakhs generated by Dr. S. Venkatanaryanan, Prof/EEE.
- AICTE sanctioned a fund of **Rs. 8 Lakhs for MODOROBs** - **“Modernization of Electrical Machines Laboratory”** –Dr. S.M.Kannan, Prof & HOD/EEE is the Co-ordinator, Dr. P. Loganthurai, ASP/EEE is the Co-coordinator.
- TamilNadu State Council for Science & Technology, Government of Tamilnadu, Directorate of Technical Education sponsored a seminar on “Science and Technology Capacity Building for Industrial Needs” - held during March 2022. A fund of Rs. 1.5 Lakhs sanctioned- Dr. S. Parthasarathy, Prof /EEE & IIPC is the Co-ordinator

ECE Department received a fund of Rs.93,000 from ISTE-AICTE to organize a FDP titled “Pedagogy using smart tools”

CSE department received a fund of Rs.2,79,000/- from AICTE-ISTE to organize a FDP on “An effective pedagogy practices”

ECE department has received a fund of Rs.30,000 from Anna University to organize a FDP on “Discrete Signal Processing”

ECE department has received a fund of Rs.9,65,549 under MODROB Scheme

IT Department has received a fund of Rs.3,09,667/- from AICTE to organize a Short Term Training Program (STTP) in the title “Exploring Real World Applications of Blockchain Technology with Machine Learning Models”

MCA department has received a fund of Rs.3,21,667 from AICTE to organize a STTP in the title “Effective Teaching Methodologies Through Optimistic Modern Teaching Aids” in 3 series.

Dr.S.Suresh Raja has received a fund of Rs.1,75,000 from UBA, IIT Delhi on 25.04.2021

1.10 University Rank Holders

College has produced 2 rank holders in Anna University, Chennai for the Year 2020.

ANNA UNIVERSITY RANK HOLDERS - 2020

Sl.No.	Name of the Student	Branch	Rank
1.	Srinidhi Trisha. V	M.E (PSE)	1
2.	Sri Uthra.V	B.Tech. (IT)	22

1.11 CONSULTANCY WORKS:

Our Faculty members shared their enriched technical advanced knowledge to solve various industrial problems using our laboratory equipment / Software & their skill.

In this regard the following departments have been carrying the works in the industries as follows

Dr. S. Parthasarathy, Prof / EEE, is doing Industrial Harmonic Audit in various industries and visited 75 industries so far, in the State and National level. He had visited Israel for extending the above activity at the International level.

Dr. S. Venkatanarayanan, Prof/ EEE is doing Energy Audit in various industries and visited 544 industries, gave 301 seminars and 5161 participants benefited his training at various locations, since January 2016, in the State level. In National level, he has conducted Energy audit and seminars in the states, Andhra Pradesh, Kerala, Karnataka and Madhya Pradesh. He is the empanelled faculty for Energy Audit activities for Petroleum Conservation Research Association (PCRA) for Institution and industries. He gives awareness on training, Energy audit and implementation. He visited China, Dubai, Malaysia and Thailand for extending the Energy Audit activities and seminars.

S.No.	Year	Department	Name of the Consultancy Training Projects	Financial Assistance received	Employees trained
1.	2020-2021	MBA	India Post Soft Skill Training Programme	,000	50

1.12 Patent Obtained

College has obtained a patent in the title “Sewage Blockage Detection and Removal System and Methods of Descaling thereof” on 25.06.2021

1.13 Recognition of Staff members

Dr. M.R. Thansekhar & Dr. A.N. Balaji- Listed in World Scientist and Universal Ranking

Dr. P. Udhayakumar-Ministry of Education's Innovation Cell certified that as Primary Evaluator in "Toycathon, 2021"/Received International Academic Star Award in Mechanical Engineering from ISSN Awards./Recognized as NPTEL Enthusiast/Recognized as NPTEL Discipline Star

Dr.P.Ganesh Kumar Professor & HOD / IT, has been ranked 4th in AD Scientific index world Scientist and University Ranking 2022

1.14 Achievement of Students

3 Member student team from III Year IT is the WINNER from Madurai Region & **Won 1 Lakh Grant in the Tamilnadu Students Innovators Contest TNSI 2021 organized by** Thiagarajar College of Engineering, Madurai-Technology Business Incubator & IEDB EDII HUB

2. COLLEGE CAMPUS AND FACILITIES

2.1 Infrastructure:

The campus spread over with 53.8 Acres has the essential facilities for Administrative Office, Class Rooms, Laboratories, Workshops, Computer Centre, Library, Seminar / Conference Halls, Hostels, Canteens, etc., with built-up area to an extent of 50,247 sq.m. costing 32.50 **Crores**. Further, the infrastructure includes Machineries, Equipments, Furniture, Fittings, other accessories for the Workshops and Laboratories to the tune of 40.67 **Crores**.

2.2 Hostels :

Hostels with mess facilities and Gymnasium for boys and girls are provided separately. During this year, 93 boys and 52 girls are residing in the Hostels.

2.3 Sports Facilities :

For the promotion of sports among the students, a vast play ground with an extent of 5.0 Acre has been allocated for sports and games. Further, there is a well equipped gymnasium for the benefit of students. An indoor stadium cum auditorium of 2,630 Sq.m. area with all facilities is available for indoor games and gym.

2.4 Computer Centre :

We have a fully Air-conditioned and well equipped Computer Centre, Computer Labs provided with the state-of-art operating systems and software packages. We have totally **1,569** Computer systems in our college networked by Optical Fibre Cable. Internet facility with 200 Mbps capacity 24 hrs x 7 days a week is available.

3. DEPARTMENTAL ACTIVITIES:

New facilities added :

- Department of Electrical and Electronics Engineering has purchased systems and equipments worth 1.24 Lakhs.
- Electronics & Communication Engineering department has purchased systems and Cadence Software worth 7,67,000
- Automobile Engineering department has purchased systems and equipments worth 1 Lakh.

4. COLLEGE AUTOMATION SERVICES:

We have a full-fledged **College Automation** facility for the College Administration with 25 HP systems and one IBM Blade server. Student academic records, staff records, library transactions and entire office work are automated. Both Face detection and Biometric attendance is used for staff. The College website is re-designed and maintained successfully by our staff; and this web site is running through our web server. E-mail IDs are created and given to all staff members. Students, Staff and Parents can see various details like University Marks, Internal Marks, student Attendance. Important details such as Departmental activities and placement interviews are displayed through college website. The Automation facility is quite useful in sending information through SMS to parents, staff and student within a short time.

5. LIBRARY (UG & MBA/MCA):

An integral part of the academic curriculum is the library. The UG Library is stocked with 53,050 books. The PG block has a separate library with 18,656 books. Subscription is continued for e-journals IEEE, JGate for **6.39 Lakhs** for the year 2021-2022. Delnet-service is also available to access very special books from select libraries all over India. Radio Frequency Identification (RFID) System has been introduced for the Library Security System – first of its kind in nearby Engineering Colleges.

6. COURSES OFFERED:

The College is approved by the All India Council for Technical Education, New Delhi and is Affiliated to Anna University, Chennai. This college is awarded ISO 9001:2015 certification.

The Department of Mechanical Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Computer Science and Engineering are recognized as *Ph.D. Research centres* by Anna University, Chennai.

The following are the courses now offered:

6.1 Four Year Under-Graduate Courses

(Bachelor of Engineering / Technology)		Intake
1. Mechanical Engineering	-	90
2. Electrical and Electronics Engineering	-	90
3. Electronics and Communication Engineering	-	120
4. Computer Science and Engineering	-	120
5. B.Tech. Information Technology	-	90
6. B.Tech. AIDS	-	30

6.2 Post-Graduate Courses

		Intake
1. Master of Engineering in Communication Systems	-	9
2. Master of Engineering in Power Systems Engineering	-	12
3. Master of Engineering in Computer Science and Engg. (With specialisation in Networks)	-	9
4. Master of Business Administration (M.B.A.)	-	60
5. Master of Computer Applications (M.C.A.)	-	60

Further, Anna University Chennai is offering MBA under Distance Learning mode to conduct classes during week end and it is a boon to serving Professional to qualify further.

7. STUDENTS:

We have a sanctioned intake of 540 students in B.E. / B.Tech. Courses, while it is 60 in M.B.A and 60 in M.C.A., 12 students in M.E. Power Systems & M.E.

Computer Science and Engineering and 9 students each in M.E Comm. Systems & M.E Computer Science and Engineering (with Specialization in Networks) programmes. Thus our total sanctioned strength is 690.

At present there are 1870 Full-Time students on roll of which 613 are Girls (32.78%) and 1257 are Boys (67.22%) in UG & PG courses put together.

8. STAFF:

The College is headed by Dr.A.V.Ram Prasad as Principal and he is ably supported by Heads of Departments, Faculties and other staff members. There are 165 teaching staff members. The strength of Technical, Administration and Non-teaching staff is 169.

9. CAREER ADVANCEMENT SCHEME:

During this academic year, our Management continued to depute faculty members for doing full time and part-time Ph.D. Programs. I am happy to inform that the following faculty member (who has been deputed a few years back) was awarded Ph.D. degree during this year:

Prof.S.Nagammai, HOD/EIE has been awarded with Ph.D. on 28.04.2022

10. HONOURS AWARDED AND ACHIEVEMENTS OF STAFF:

- Dr. S.M. Kannan, Professor & Head/EEE, is valued IEEE(USA) member for twenty two years.
- Dr. S. Venkatanarayanan, Prof/ EEE, Electrical & Electronics Engineering, is the senior member of IEEE, USA, Empanelled Faculty, Petroleum Conservation and Research Association (PCRA), Government of India, Chartered Engineer, EnMs Lead Energy Auditor, Speaker – National Small Scale Industrial Corporation, Government of India, Member – MADTTISSIA, Madurai.
- Dr. S.M. Kannan, Professor & Head, Dr. S. Venkatesan, Prof/EEE & Dr. S. Venkatanarayanan, Prof/ EEE, Electrical & Electronics Engineering, are fellow of the Institution of Engineers (India).
- Dr. S.M. Kannan, Prof & Head /EEE, Dr. S. Venkatesan, Prof/EEE, Dr. K.Gnanambal, Prof/EEE, Dr.S.Parhasarathy, Prof/EEE, Dr. P. Loganthurai, ASP/EEE, Dr. S.Venkatanarayanan, Prof/EEE are the reviewer of the refereed National / International Journals.

Dr. K. Gnanambal, Prof /EEE recognized as Margadarsak for mentoring Solamalai College of Engineering & Technology towards NBA.

- Dr. K. Gnanambal, Prof /EEE acted as evaluated for TOYCATHON organized by Ministry of Education and AICTE.

- Dr. K. Gnanambal, Prof /EEE, Dr. P. Loganthurai, ASP/EEE, Prof. A. Marimuthu, ASP/EEE recognized as experts for setting the questions for AICTE- SLA Projects.
- Dr.S.Venkatnarayanan, Professor/EEE, received the award Energy Manager, BEE, Ministry of Power, Government of India.
- Dr.P.Loganthurai, ASP/EEE received the award NPTEL Discipline STAR, NPTEL Motivated Learners.
- Dr. P. Udhayakumar-Honorary Secretary of IEI Madurai Local Centre/National Vice Chair – Students Committee, ISHRAE HQ/Board of Research Bureau Veritashonored as“Certified Researcher” in Mechanical Engineering
- Dr. P. Udhayakumar-Industry Consultancy – To design and developed flow control meter for Ruby Food Products Pvt. Ltd., Madurai/Received Best Chapter Service Award, ISHRAE – Madurai Chapter.
- Dr. D. SatheeshPandian-Won 2nd Prize in Ball Badminton at Madurai Chapter ISHRAE Youth at organized tournament.
- Dr. C. Anbumeenakshi-Recognized as NPTEL Discipline Star
- Dr. S. Porselvi-Ministry of Education’s Innovation Cell certified that as Primary Evaluator in “Toycathon, 2021”
- Dr. M.R. Thansekhar-Elsevier/Reviewer of International Journal of “**Heat and Mass Transfer**”./Reviewer of Journal of “**Materials Letters**”
- Dr. A.N. Balaji-Elsevier-Reviewer of Journal of “**Manufacturing System**”/Elsevier - Reviewer of Journal of “**Materials Letters**”/Elsevier -Reviewer of Journal of “**Materials Proceedings**”/Springer-Reviewer of Journal of “**Polymer Composite**”
- Dr.R.M.Satheeshkumar/HOD/Au.Engg has been selected as Treasurer &Joint secretary of Quality Circle Forum of India(QCFI) Madurai chapter in the year 2021
- Dr.R.M.Satheeshkumar/HOD/Au.Engg has been selected as special invitee in the Executive committee of Madurai productivity council Madurai.
- Department of ECE has received NPTEL Active SPOC

Dr.S.Miruna Joe Amali / Prof. CSE acted as reviewer in

- IEEE Transactions on Cybernetics
- Elsevier – ISA Transactions
- Advances in Science, Technology and Engineering Systems Journal

Dr.R.Lakshmi / Prof. CSE acted as reviewer in

- Indonesian Journal of Electrical Engineering and Computer Science

Dr. N.R. Ramanujam. ASP/PHY/His research article published in Polymer Composite has been recognized as a Top cited paper during 2020 – 2021 by John Wiley publisher.

11. EXAMINATION RESULTS:

APRIL/MAY 2021 EXAMINATIONS-RESULT ANALYSIS(UG&PG)

Degree	Regulations	No.ofStudents Registered	Pass%
B.E./ B.Tech(2017–2021) – Semester8	R2017	533	99.81
B.E./ B.Tech(2018–2022) – Semester6	R2017	334	99.40
B.E./ B.Tech(2019–2023) – Semester4	R2017	395	98.73
B.E./ B.Tech(2020–2024) – Semester2	R2020	378	99.47
M.B.A./M.C.A./M.E.PSE, M.E.CS,M.E.CSE	R2017	116	98.28
M.B.A./M.C.A./M.E.PSE, M.E.CSE(WSN)	R2020	75	94.67
Ph.D(FacultyinEE)	R2020	01	100

No. of Students graduated during April 2021 (UG&PG)

Degree	Regulations	No.ofStudents Registered	No. of Students Graduated	Graduation Percentage
B.E./ B.Tech(2017–2021)	R2017	533	531	99.62
M.C.A. (2018 – 2021) / M.B.A./M.E.PSE, M.E.CS & M.E.CSE (2019 – 2021)	R2017	108	106	98.14

12.PLACEMENT

- **Psychometric Tests** were conducted to identify the verbal, numerical and reasoning ability, problem solving skills, team work, result orientation of our students through AMCAT.
- **Twelve Training Programmes** were conducted for Second year, third and final year students by External Training Agencies.
- **Company Specific Training Programmes** were organized to get placement in the companies like TCS, Zoho, Vuram, Kaar Technology, embedUR, Datapattern etc.
- **Mock interview & Group Discussions** were organized by our Alumni and College Faculty members.
- TCS Webinars were organized.
- **Expert Talks** were organized and the sessions were handled by HRs from TCS, IIQ, Soft Square, Bluecloud, Vaken Technology etc to our students.

- Placement Officer Meet was attended by our Training and Placement Officer at the companies like HCL, Bluecloud, IIQ, Fresh Voice, CSS Corp,CETAS etc.
- **62** Placement drives were so far organized, out of which 51 drives are conducted ON campus, 11 were conducted OFF campus and drives are conducted in the company itself.
- **43 Software companies** such as TCS, Infosys, CTS, Vuram, Wipro,HCL, Kaar Technogy, Chainsys, Aspire Systems,IIQ, Buddi-AI, embedUR recruited our students.
- **12 Core industries** such as Broadcom,Datapattern, Lucid Imaging, Sakthi Auto Components Ltd, Tucker Motors, Prime Tech,Pinnacle offered jobs for our meritorious students.
- **7 ITES** such as FACE, Sutherland, Six Phrase, Jeyashree Spun Bond recruited our students for employment.
- **70 Internship offers** are bagged by our students in various companies.
- Total Number of Offers received by the students are **281**
- Maximum salary offered for our students is **Rs.9.50 Lakhs** and the median salary is **Rs.3.00Lakhs**

Some of the Events Organized for Placement assistance by the Training & Placement Cell:

- ✓ **AMCAT examinations** were organized for better placement opportunities of our students.
- ✓ **CODEVITA, ENGINX Contest** were organized through TCS and other Companies for the better placement opportunities of our students.

Career Guidance:

Career guidance online mode awareness program titled “**Guidance for promoting the Students to Higher Education**” in abroad by Mr.Vijay kumar Nair, Managing Trustee, Global Education & Career Forum, Chennai.

13. NATIONAL SERVICE SCHEME (NSS):

The National Service Scheme (NSS) started functioning in the college from academic year 1997-1998. There are 200 Student Members under NSS which conducts the various activities like Career Guidance Program, Eye and Dental Camp, Tree Plantation, Blood Donation, etc. Seven Days camp in rural village is a major NSS activity taken up every year for the benefit of village people.

NSS-Regular Activity Report for the year 2021– 2022

Few Sample Programs are

SL.NO	DATE	ACTIVITY	RESOURCE PERSON/ CHIEF GUEST	NO.OF VOLUNTEERS/ PARTICIPANTS
1	15.04.21	NSS & IQAC of KLNCE jointly organized Online Expert Talk on Fusion Reaction and Its uses in Power Generation	Ms.T.S.Chitra, Real Time Control Software Engineer at the UK Atomic Energy Authority-UK	88 Staffs
2	26.06.21 to 28.06.21	Organized Three days – Covid Care – Virtual Programme about Yoga (Asanas, Pranayama & Meditation) in association with Art of Living to all first year UG students.	Mr.Ganasekaran & Mrs.V.Tamilarasi – Yoga Instructor, Art of Living	All First Year Students
3	01.09.21	Organized Covid-19(Phase-I) Mega Vaccination Camp in association with GH-Poovanthi	Mr.Ramar –Health Inspector, GH-Poovanthi	198 Staffs & Students
4	28.10.21	Health Management Program	Dr.G.Selva Kumar, GH-Poovanthi	All First Year Students
5	29.10.21	Yoga Program – Practices for Healthy Life	Mr.T.J.Tharanidharan & Mrs.T.Alamelu Mangai – Art of Living, Madurai	All First Year Students
6	02.11.21	NSS Orientation Program	KLNCE Aluminies (NSS Volunteers)	All First Year Students
7	22.11.21	Health Awareness Program for Staffs	Mrs.C.Vijayalakshmi, Vestige Marketing Pvt.,Ltd.,	10 Teaching & Non-Teaching Staffs
8	08.12.21	Organized Covid-19(Phase-II) Mega Vaccination Camp in association with GH-Poovanthi	Dr.G.Selva Kumar&Mr.Ramar – Health Inspector, GH-Poovanthi	125 Staffs & Students
	18.12.21	Organized Palm Seed Plantation in association with Vazhikatti Manithargal Arakattalai-Madurai	Mr.Manikandan Vazhikatti Manithargal Arakattalai-Madurai	10 Students & 10 Staffs
9	12.01.22	Online Drawing Competition for the honour to 159 th Swami Vivekananda’s Birth Anniversary 25 th National Youth Day Celebration	-	10 Students

10	21.01.22	Organized Covid-19(Phase-III) Mega Vaccination Camp in association with GH-Poovanthi	Dr.G.Selva Kumar&Mr.Ramar – Health Inspector, GH-Poovanthi	All First Year UG/PG Students
11	24.01.22	Online Poster Making Slogan Writing Competitions for National Girl Child Day Celebration	-	8 First Year Students
12	11.03.22	Donated plant saplings (100 numbers) for women's day celebration	-	Staffs & Students

14.IIPC (Industry Institute Partnership Cell) Activities:

K.L.N. College of Engineering has constituted Industry Institute Partnership Cell (IIPC), under the sponsorship from All India Council for Technical Education (AICTE), New Delhi. Since its inception in 2013, the IIPC has been undertaking various technical activities in all spheres of engineering and technology.

In specific, IIPC conducted industrial consultancy audit with 250 industrial clients of different sectors and duly recommend for necessary technical applications in the field of Power Quality Audit, Energy Audit, IoT and industrial Automation. Every year, students are thrust upon the industrial exposure and hands on experience were given through our IIPC cell. The crown of the IIPC's mantle is adorned with many awards and research grants from various funding agencies for the excellence of activities.

New Quality Circle- Industrial Relations (QC-IR) has been constituted to govern all industrial related activities during 2021-2022. This academic year 2021-2022, the following activities had been conducted successfully. 27 leading industrial experts from various industries came to our college for technical talk by which 2094 students and 113 faculty members got benefitted. 9 Industrial visits to companies like Kudankulam Nuclear Power Plant, Madura Coats Pvt., Ltd., SNP Dairy Milk, Glass Manufacturing Industry (Virtual Industrial visit) etc., had been arranged, through which more than 311 students got industrial exposure. Till now 5 technical festivals had been successfully conducted sponsored by IIPC. 23 competency development programs and Personality development program had been organized through which 1420 students and 120 faculties were benefitted. Students had undergone 39 In-plant training sessions in various industries for their academic

proficiency. Many students went for internships for industrial hands on experience. In addition to this various research projects are ongoing, funded by Government funding agencies like, AICTE, DST, TNSCST etc.

Towards to promote Renewable Energy research, QC-IR, IIPC had purchased an EV- auto to design and augment EV Technology in our campus. QC-IR- IIPC established a Laser Research Laboratory with sophisticated high quality equipments towards the promotion of laser based research and development. Also, a Smart Meeting Hall has been established to promote online live technical discussions, video presentations and other academic activities for the benefit of students and faculties.

On February 28, in the eve of Sir.C.V.Raman's birthday, "National Science day" has been celebrated by IIPC in a grand manner in association with KLNCESHA for our first year students. In connection with this, a Mega Science Expo has been conducted by our first Year Students and winners were honored. Also every year "Best In-Plant trainee endowment" is awarded to students through our IIPC. Two Completion Patents has been successfully published in Indian patent file under IIPC, with the guidance of AICTE-KAPILA scheme, yet 6 more patents are on progress for publication. Also, an online awareness program about IPR has been arranged for 450 First Year Students and a National Intellectual Property Awareness Mission (NIPAM) certificate has been obtained for all our students and our college from Intellectual Property Rights (IPR) Government of INDIA, Chennai Office. Last but not the least;the main motto of the cell is to liaison the institution with the industries, and ultimate beneficiary group is the student and faculty community of all our departments. This QC-IR- IIPC progressively plays a major role in the development of our college in various aspects.

Department of Science & Technology (DST) sanctioned a fund of **Rs. 85.35 lakhs** for the project "**Laser based Hydraulic Controlled Variable Length land Leveler cum plough Device with Remote Monitoring system**"-**Dr. S. Parthasarathy, Prof/EEE** is the Principal Investigator. Prof. S Nallathambi and Dr D Pradeep Kannan are the CO-PIs for the above project.

College has obtained a patent in the title “Sewage Blockage Detection and Removal System and Methods of Descaling thereof” on 25.06.2021.

15. Innovation Promotion Cell (IPC)

Activities carried out under Institution Innovation council & IPC of KLNCE

Academic Year 2021-2022

SNo.	Event Name	Date	Resource person/Project Title	Venue	No. of Students Participated
1	Training Program on creating your own responsive website organized by IIC& IPC of KLNCE	24.5.2021 & 25.5.2021	M. James Manoharan GM-Corporate Engagement Crumpet Pt e Ltd .Chennai.	Online Webinar	75
2	Expert talk on how to start your own startup.	11.9.2021	Mr.Arjun, IIT Research Park. Chennai.	Offline	30
3	Impact lecture series sponsored by MIC on Woman entrepreneurs challenges & opportunities	8.10.2021	Sumathi Sidhardh AP& head/Dept of Mgt Technology Defence Institute of Advanced Tech, PUNE.	Online Webinar	60
4	Impact lecture series sponsored by MIC on 5 pillars of entrepreneurship	8.10.2021	Swathi Krishnan, founder yes people entertainment.	Online Webinar	60
5	Impact lecture series sponsored by MIC on Innovation in Agriculture based Products using AI	23.10.2021	Dr. P. Ganesh Kumar Prof & head/IT KLNCE.	Online Webinar	50
6	Impact lecture series sponsored by MIC on IPR Process and prospects.	23 .10. 21	Dr. A. Balaji ganesh, Patent Agent, Dean Research, Velammal Engg College Chennai.	Online Webinar	50

Tamilnadu Student Innovators Contest TNSI 2021 Details

Host Institution:

Event Organized by: IPC-KLNCE

Event information received through: EDC-KLNCE

Event Progress Summary:

S.No	Name of the Round	Duration	No of Teams Participated	Achievement
1	Awareness Program	5.1.22	34 Teams	-
2	Project Proposals submission	7.1.22	34 Teams (MECH-1,EEE-5,ECE-18,CSE-6,IT-3,EIE-1)	-
3	Ideation Camp	21.03.22	5 Teams selected (EEE-1,ECE-1,CSE-1 & IT-2)	-
4	Boot camp	6.4.22 to 8.4.22	2 Teams Selected (ECE-1 & IT-1)	-
5	Grand Final	April 2022	1 Team from IT Dept	1 Team from III Year IT is the WINNER from Madurai Region & Won 1 Lakh Grant

1 Lakh Grant Winner Team in TNSI 2021 Details:

Project Title: Hello Friend

Project Student Members:

- 1) Sowmya.R, III Year IT
- 2) Rakesh Prasanna.R, III Year IT
- 3) Rajasri.J, III Year IT

Mentor:

Mr.M.Satheesh Kumar, AP2/ECE

16. Major MOUs SIGNED WITH INDUSTRIES:

EEE

- Texas Instruments MSP 430 based MCU Teaching
- Lab Setup being established in the Department in December 2018.

(Value added courses has been conducted for II, III & IV year B.E. –EEE (using MSP 430)

B.Tech. IT

- KLNCE and Info top, China
- Honeywell Technology Solutions

Pentaxial technologies

17.STUDENTS' TECHNICAL ASSOCIATIONS:

The first year students have K.L.N.C.E Science and Humanities Association (KLNCESHA). This association conducted various activities like Guest lectures, workshops, quiz contest and seminars for the enhancement / development of communication skills; and dissemination of knowledge.

All Departments have their individual technical associations and are conducting technical events, guest lectures, mini project contest, paper presentation, symposium etc. periodically. To mention few,

Date	Department	Name of the event	Chief Guest / Judge
01-04-2021	IT	Expert Talk on Fullstack Development	Ms.Umamaheshwari Aravindhnan, Technical Training Manager, Hexaware Technologies, Chennai.
06-10-2021	IT	IIPC Sponsored Expert Talk On "Abundant Opportunities"	Mr.M.G.Vimal Prasath – Vice President, Barclays Bank, UK
27-11-2021	IT	Online Softskill Training Program by Industry Expert	Ms. Soundarya Lakshmi Narayanan, Senior Engineering Analyst, Caterpillar India Pvt. Ltd.,Chennai
24-12-2021	IT	Online oneday workshop on Artificial Intelligence and Applications	Mr.S.Jai Ganesh, AI-R&d, Bank of America and Mr.M.Deepan Raj, Lead Data Scientist, HCL Technologies, Chennai
4.12.2021	IT	Online Event On "Introduction To Java"	Mr.K.P.Ashok Raj, Founder-The King Phoenix IT Solutions,Trichy
08.01.2022	IT	Online Motivational Talk On "All About Robotics"	Mr.Balaji Thiru, Founder Village Tech School,Founder of Tamil Robotic Club & Robotics Psychologist
13 th May 2022.	EEE	Mini Project Contest	<ol style="list-style-type: none"> 1. Er. R. Muthu, CEO, SRIM Automation, Madurai 2. Er. Venkateswara Krishnan, Executive Engineer (Rtd.), TANGEDCO, Madurai 3. Er. K. Kannappan,Excutive

			Engineer (Rtd.), TANGEDCO, Madurai
16.4.2021	ECE	NATIONAL CONFERENCE ON INFORMATICS, ELECTRONICS & COMMUNICATION	Dr.N.Janakiraman, Prof .ECE/KLNCE
10.6.2021& 12.6.2021	ECE	IIPC Sponsored technical paper presentation	
21.2.2022	ECE	UG-Technical paper presentation	Mr.A.S.Karthikeyan Embedded Engineer,Honey Well Technologies
2021	CSE	ICTACT-Aspiring Entrepreneur program 2021	
2021	CSE	Entrepreneurship awareness program on TNSI 2021	
2021	CSE	My story –successful Entrepreneur	
09.08.2021	Mech.	Future on making things with Autodesk Fusion 360	Er. S.B. Adhithyaa, USAM CAD soft India, Coimbatore
27.12.2021	Mech.	Employment Opportunities in Refrigeration Industry	Er. Jaiganesh MD, Vasantha Engineering, Madurai
28.12.2021	Mech.	Overview of Air Conditioning System	Er. R. Kishore, HVAC Consultant, Madurai
5.5.2021	MATHS	World mathematics day-online Quiz	Mrs.S.Nagammai/prof& HOD EIE
28.2.2022	MATHS	Scientific Model Contest In The Name Of TECHNOZARE-2K22	Er.P.Mohanraj /Founder&CEO,TUCKER Motor pvt.ltd-Madurai
18.2.2022	MATHS	Drawing competition on “Scientists and their Innovations”	Dr.A.N.Balaji/ASP/MECH Dr.K.Subha,ASP/ECE
28.2.2022	PHYSICS	Scientific Model Contest In The Name Of TECHNOZARE-2K22	Er.P.Mohanraj /Founder&CEO,TUCKER Motor Pvt. Ltd-Madurai

18.PROFESSIONAL SOCIETIES:

EEE

• The IEEE students chapter was established in the year 1999(School code: 60791)
. Dr. S.M.Kannan, Prof /EEE is the branch counselor / IEEE / KLNCE.

- The IE(I) students chapter of Electrical division was established in the year 2015. (Chapter code : 630611/KLNC/EE). Dr. S. Venkatesan, Prof/ EEE is the Student Advisor

B.Tech. IT

- The ISTE students chapter was established in the year 2002(T.N.104) Conducted Programs with 172 Students and 10 Staff.
- The CSI students chapter was established in the year 2007.

CSE Department

CSI – January, 2018
2 Staff , 20 Students

IE – January, 2016
9 Staff members

Mechanical Department

ISTE -Students : 50
Staff : 5 (Life Members)

ISHRAE-Students : 21
Staff : 3

Automobile Department

Student Productivity Club (SPC) by Madurai Productivity Council – 12.02.2016
20 Students , 2 Staff

ECE Department

IEEE-1999-3-staffs
IEI-2015-20 staffs,56 students
ISTE-2002-10 staffs
IETE-2011-3 staffs ,56 students

19.Women Empowerment Cell (WEC)

Women Empowerment Cell (WEC) has been constituted in our college in the year 2017 to empower the rights of Lady faculty members , staff and students of the college. The cell is headed by our Principal Dr.A.V.Ramprasad as chief patron,Dr. S. Ilangovan,ASP/IT as Advisor, Dr.A.Umarani,Prof/EIE and Dr.B.Buvanewari,ASP /ECE as Convenors. The empowerment has been felt as a tool to bring about the changes in their socioeconomic conditions. Aiming at intellectual and social upliftment of the female students, the cell stands for facilitating women's empowerment through guest lectures, seminars, awareness programmes, workshops and other welfare activities.

20.Prevention of Sexual Harassment (POSH) Cell

As per the guidelines of UGC and the recommendation of the Anna University a Committee against Sexual Harassment/ (ICC) Internal Complaints Committee have been established to provide a healthy and congenial atmosphere to the staff and students of the College. The cell is headed by our Principal Dr.A.V.Ramprasad as Advisor,Dr.A.Umarani, Prof/EIE, Mrs.N.Vishnudevi,AP/EIE and Dr. S. Ilangovan,ASP/IT as Convenors.The Role of the cell is to prevent discrimination and sexual harassment against women, by promoting gender amity among students and employees.Various activities like Awareness programme on "Gender Discrimination, Indian Act and Rules for Prevention of Sexual Harassment, General Health Care etc.. were carried and out for the holistic

environment of faculty and students. As a pride, we have ensured zero Harassment in our institution.

21. Unnat Bharat Abhiyan Cell

The Unnat Bharat Abhiyan cell of our college has received a fund of Rs.1,75,000 as Perennial Assistant fund from IIT, New Delhi in the month of Apr'2021. The fund will be utilized for the technology innovation and technology customisation in the adopted villages. Two water purifiers and five teaching table, chairs and Bureau has been sponsored to Government Schools of Mukkudi and Pottapalayam villages. The Coordinator Dr S Suresh Raja has received the amount.

22. Student Care Centre (SCC)

Student care Centre is formed and it is functioning with an objective to provide a Supportive, Safe environment to the students of KLNCE and orient the students towards good attitudes and applying Universal Human Values in life.

The Convener of SCC is Dr. R. M. Satheesh Kumar.

Student care centre regularly organizing student representative meeting to provide the information like Outcome based education, Regulation of KLNCE, Autonomous status, Value added courses and Credit transfer courses etc.

A Road safety Awareness Meeting was conducted on 12.04.2022 for the students who come by two wheelers to the college.

A Motivational Program 'ZERO TO HERO' was organized by SCC through Puthiya Parvai Academy on 20.04.22 to give awareness about various Government Examinations for third year students.

23. Sports

Organized Tournaments

KLNCE has organized 7 tournaments in 2021 and 2022.

1. Badminton Women: Our team has won bronze medal.
2. Chess, Women: Duration. 17.03.2021 to 18.03.2021. Our team won bronze medal.
3. Volleyball, Men: Duration. 22.03.2021 to 23.03.2021
4. Cricket, Men: Duration. 27.03.2021 to 31.03.2021. Our team has won fourth place
5. Basket Ball, Men: Our team won bronze medal.

6. Anna University Inter Zonal Judo Men Tournament on 24.02.2022. Our IT student won the bronze medal.

7. Anna University Inter Zonal Karate Men and Women Tournament from 25.02.2022 to 26.02.2022

Students Achievements in sports

To mention few,

1.R.Sriram, II year IT won the gold medal in the Inter Zonal Fencing Tournament held at Anna University, Chennai. Also he has represented Anna University Chennai in the All India Inter University Fencing (Men) tournament held at Guru Nanak Dev University, Amrister from 07.01.2022 to 10.01.2022.

2. R.Sriram, same student, was selected to represent the Anna university in the KHELO INDIA University games 2021 held at Jain University Global campus, Bangalore from 29.04.2022 to 02.05.2022.

3. M.Kodeswaran, III year Mech., won Bronze medal in Anna University Chennai – Inter Zonal weight lifting Men tournament held at AVS Engineering College, salem on 18.12.2021.

4. S.Goshan Raj, I year IT, won Bronze medal in Anna University Inter Zonal Judo Men tournament held at KLNCE on 24.02.2022.

24.SUMMARY OF DEPARTMENTSSTAFF/STUDENT DEVELOPMENT ACTIVITIES FOR THE ACADEMIC YEAR 2021-2022.

1. Number of FDP / STTP / Workshop / Seminar conducted
Mech. – 5, CSE- 6, ECE-23, MCA – 4, EEE –23, Auto - 3,
EIE-4,IT-2(SDP), MBA-14
2. Number of FDP / Workshop / STTP / Seminarattended by staff
Mech-18,EEE-103, CSE-41,ECE-40,EIE-08,MECH-18,IT-44,
MATHS-5,Physics-7,Auto-11,MBA-25, MCA-6,
3. Paper presentation in National / International
Conference by Staff
(IT –1 ,ECE –3 , EEE-16, ,Auto-1)
4. Paper publications in National / International

Journals by Staff

(IT –3 , ECE-7, EEE - 9 Auto -1 ,MECH-4, MBA-1)

25. DONARS:

We take this opportunity to thank all the patrons and donors who have been generous all along towards the growth of this Institution. Also the prizes and medals instituted by them give encouragement and serve as incentive to students in excelling their performance.

26.SUMMARY:

Before concluding this annual report, I summarize the events happened in K.L.N.College of Engineering through quality Circles / Salient Features / Academic Excellence.

1.Quality Education

- From the inception, college has secured 516 University Ranks, including 16 Gold medals.
- College has been awarded “A” rating by MHRD Swayam NPTEL
- Exclusive staff Development cell (SDC) for updating the Technical Knowledge of faculty members
- Continuing Education Cell (CEC) for providing Outcome Based Education – content beyond syllabus and industry based learning
- All lecture halls are with LCD projectors and other ultra modern facilities
- 1:12 staff student ratio.
- National Instruments Laboratory had been at KLNCE to train the Students in LABVIEW Software. Our College has been awarded “NI Lab View Academy School” under the category of upcoming Engineering College.

2. Successful Graduation:

- 99% of UG Students and 98% of PG students are graduated in the academic year 2021 – 2022
- Adequate number of experienced and well qualified staff in all departments.

- Meritorious students awarded with prizes and pure Gold Medal for getting University ranks.
- Implementation of BLOOM's TAXONOMY in Internal Examination System.

3. Potential Employability:

- 281+ offers are issued for the Current batch(2021–2022).
- KLNCE is accredited by TCS & DAY ONE Campus Company every year.
- IT, ITES and core companies visiting our campus and recruiting our students every year.
- MBA, MCA Students are given placement offers with Project / Internship programmes.
- Good Liaison with industries, Excellent training in Soft Skills, Communication talents.
- Pre employment training programme for industry readiness by in-house faculty members.
- TPO in Professor level and also an Alumni of KLNCE.
- Online Placement & Mock training facilities.
- A degree with employable / employer skills.
- Career Development Cell to counsel students for higher studies.

4. Advanced R &D:

- RDU – Research Development Unit to promote Consultancy & Research activities.
- Faculty members are doing Consultancy work in the areas of Harmonic Studies / Power Quality (EEE), Heat Transfer (Mech.), Industry Automation (CSE) and Internet of things (IT).
- Non – Conventional Renewable Energy Club to develop our Students to create the projects depend upon the environment related problem in day to day life.
- 64 Teaching Faculties with Ph.D. qualification and 22 Teaching Faculties pursuing Ph.D. are carrying out research activities in campus.
- Soft skill training to Govt. Officials (MBA) & Sponsorship to faculty and Students to present International Conference papers abroad.

- IERIG Centre – Institution of Engineers Research Innovation Group Centre to develop innovative projects in association with IE (India).

27.CONCLUSION:

All the activities listed above are possible during this year solely due to the benevolent kindness and guidance received by the College from the **President**, the **Secretary & Correspondent** and all members of the Executive Committee. It is heartening to note that all of them are taking strenuous efforts to make this Institution as one of the best in the Country and also to elevate the level internationally. My sincere thanks are due to them all.

It is due to the good-will of parents and public showered upon us, we have been continuously growing. My sincere thanks go to them for the same.

I also thank all HODs, Faculty members, and all the Supporting, Administrative, Non-Teaching and other staff for their full co-operation in providing quality education to the students. My thanks are also due to my beloved students for maintaining high academic standard, good discipline, and cordial atmosphere in the campus and for willingly participating in all the activities. My best wishes to all my students.

My thanks to One and All