



K.L.N. COLLEGE OF ENGINEERING

An Autonomous Institution



Pottapalayam – 630 612,

Sivagangai District

Estd. : 1994



**30th COLLEGE ANNUAL DAY
(25.05.2024 - Saturday – 11 A.M.)**

**ANNUAL REPORT
2023 - 2024**

QUALITY POLICY

Our college is committed to provide Quality Engineering, Technology, and Management Education by ensuring global standard and resources through continual quality management system for the development of students.

VISION

To become a Centre of Excellence in Technical Education and Research in producing competent and ethnical 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

30th COLLEGE ANNUAL DAY ANNUAL REPORT

Respected Chief Guest **Shri. Dr. K.M. SUCEENDRAN**, HEAD – Academic Alliances Group, TATA Consultancy Services, Chennai. Respected President of our College Council **Er.K.N.K.Karthik**, Respected Secretary and Correspondent **Dr.K.N.K.Ganesh**, Respected Treasurer **Shri K.S.D. Sivaprasad**, Respected VicePresident **Dr.K.B.Radhakrishnan**, Respected Joint Secretary **Shri.K.V.Balaji**, Respected Executive Committee members, Respected Council members, Respected Donors, HODs, teaching and non-teaching staff, beloved Parents, People from Press and Media and My dear students,

Good Morning to you all

With much pleasure and enthusiasm I share this forum for presenting a brief Annual Report about the salient activities of our College for the Academic year 2023-2024.

Historically speaking, this College was founded by the great philanthropist Amarar 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 by the subsequent office-bearers of the executive committee. This year happens to be the 30th year of academic excellence with a core objective of providing quality education in technical arena. Right from the beginning in all these years KLN College of Engineering has been focusing on promoting backward region towards the target of potential development and bringing forward the entire society to the exposure of Technical education. The Executive Committee is ever mentoring and monitoring the activities of the college and making collective efforts in maintaining the reputation as one of the Premier Technical Institutions.

It was on this day 25th May 1915 Mahatma Gandhi established he Sabarmati Ashram. It is one of the luminous hallmark in Indian History. Similarly KLNCE too

creates a hallmark in its academic history. As a commemorative event to mark 30 years of excellence in technical education today we are dedicating the logo on this moment. While establishment of KLNCE in 1994 was a landmark in this region 30th year is hallmark with attainment of the vision and mission being the benchmark.

1. COLLEGE CAMPUS AND FACILITIES

1.1 Infrastructure

The campus is spread over 53.8 Acres with built-up area to an extent of 50,247 sq.m. costing Rs.32.50 crore. Our management council is very liberal and qualitative in providing mandatory infrastructures with sustainable learning environment. As such, the institution has the essential facilities for Administrative Office, Class Rooms, Laboratories, Workshops, Computer Centre, Library, Seminar / Conference Halls, Hostels, Canteens, etc., Further, the infrastructure includes Machineries, Equipments, Furniture, Fittings, other accessories for the Workshops and Laboratories to the tune of 40.67Crore.

1.2 Hostels

Separate hostels for men students and women students with comfortable living atmospheres mess facilities and Gymnasium are provided separately. During this year, 116 boys and 80 girls are residing in the Hostels.

1.3 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.

1.4 Computer Centre

We have a technically viable and well equipped Computer Centre with more than 150 computers. In addition, computer Labs are provided with the state-of-art operating systems and software packages. In all, there are **1,569** Computer systems in our college which are duly networked by Optical Fibre Cable. Internet facility with 200 Mbps capacity 24 hrs x 7 days a week is available.

1.5 Advanced Computer Lab

In order to improve the infrastructure of the campus, all essential facilities have been provided. These efforts fittingly match the mandatory requirements of the new courses being introduced in the past 2 years. With a vision to provide comfortable access and updation under (AIDS dept) We have instituted the advanced computer center under (AIDS dept). This center is equipped with 35 no of systems and caters to the students largely.

2. COLLEGE AUTOMATION SERVICE

We have a full-fledged **College Automation** facility, supervised by the technical team of Information Support System Group (ISSG). This service takes care of entire data automation related to 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 are used for staff. The College website is re-designed, updated periodically and maintained successfully by our staff; and this web site is running through our web server. Students, Staff and Parents can access various data like Internal Marks, Attendance. In addition, important details such as Departmental activities, posting of circulars, 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. A major hallmark of this automation is converting the conventional mode of information sharing to digital mode and reducing the paper work as well.

3. LIBRARY (Engineering & MBA/MCA)

An integral part of the academic curriculum is the library. The UG Library is stocked with 53,887 books. The PG block has a separate library with 18,703 books. Subscription is periodically continued for e-journals IEEE, JGate for the year 2023-2024. 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.

4. 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:

4.1 Four Year Under-Graduate Courses

Bachelor of Engineering **Intake**

1.	Mechanical Engineering	-	60
2.	Electrical and Electronics Engineering	-	60
3.	Electronics and Communication Engineering	-	120
4.	Computer Science and Engineering	-	120
5.	B.E. CSE (Cyber Security)	-	60
6.	B.E. CSE (Internet of Things)	-	60

Bachelor of Technology

7.	B.Tech. Information Technology	-	90
8.	B.Tech. AIDS	-	60

4.2 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

A new course B.E. Computer Science Engineering (Internet of Things) was introduced during the academic year 2023-24 with an intake of 60 and B.E. Computer Science Engineering (Cyber Security) which was offered during the Academic year 2022-2023 with an initial intake of 30 has been upgraded with an

intake of 60 during the academic year 2023-24. I am happy to share with you that both these courses got 90% admission during the respective academic years.

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.

5. STUDENTS STRENGTH

We have a sanctioned intake of 630 students in UG stream with the spread of B.E. / B.Tech. courses. Under PG stream, M.B.A has an intake of 60 while MCA has an intake of 60. The intake in M.E programs is split as 12 students in M.E. Power Systems and 9 students each in M.E Comm. Systems and M.E. Computer Science and Engineering (with Specialization in Networks)programmes. Thus, total sanctioned strength in this institution is 780.

At present there are 2265 Full-Time students on roll of which 793 are Girls (33.89%) and 1466 are Boys (66.10%) in UG & PG courses put together.

6. STAFF:

The College is headed by Dr.A.V.Ram Prasad as Principal and he is ably supported by experience Heads of Departments, qualified Faculties and highly skilled

Otherstaff members. As of now, there are 163 teaching staff and 182 non-teaching staff coming under administrative stream.

7. Major Achievements

7.1 Autonomous Status

KLN College of Engineering had achieved yet another milestone in its long history of academic excellence by obtaining Autonomous Status in 2019 for continuous ten years in its first venture. This shows the meritorious recognition by University Grants Commission and Anna University. The autonomous status has enabled the institution to upgrade academic quality by framing appropriate regulations and syllabi for the stakeholders such as students and corporate sectors. In order to facilitate students with updated technical knowledge curricula & syllabi are being refined and revised. In the academic year all the departments have conducted their Board of Studies meeting for the new regulation under R2024.

7.2 Extension of NAAC Accreditation status

As recognition for infusing quality education, 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. In this regard I am proud to mention that KLN College of Engineering became the first institution in the South Tamilnadu to be accorded under online assessment. As of now the accreditation has been extended upto 2025.

7.3 NBA – Re-Accreditation Status

K.L.N.C.E proved its recognition by getting NBA accreditation by the expert team, which inspected the campus in July 2023. Four departments namely, Mechanical Engineering, Electronics and Communication Engineering, Computer Science and Engineering, B.Tech. Information Technology have been Re-Accredited up to June 2025.

7.4 NAAN MUDHALVAN State Level Scheme

Our institution has been making strenuous efforts in promoting Naan Mudalvan scheme, a initiative by the government of Tamilnadu. Our students have won prestigious prizes and awards by showcasing their talent in project presentations.

Mr. R.B. Prasanna Kumar, Mr. G. Natesan, Mr. A. Praveen of third year ECE won 1 Lakh Prize Money and Certificate in TNSI 2022 from Hon. MSME Minister Mr. T.M. Anbarasan during the academic year 2023-2024.

7.5. Establishment of Co-Curricular Clubs

In accordance with the vision and objectives of our energetic Executive Committee, timely efforts are being taken to inculcate relevant technical skills for our students. As a result, 11 Co-Curricular clubs, which had been established in the year 2022 – 2023 for the benefit of students, are providing all out efforts in transforming the students as employable engineers and technologists. At this juncture, I thank our management for extending utmost guidance and support.

S.NO	CLUB	DEPARTMENT
1	Hackathon/Learnathon	IT
2	Microsoft campus club	CSE
3	Google student club	CSE
4	Electronics Innovation club	ECE
5	IoT club	IT
6	Robotics club	MECH
7	Automation club	EIE
8	Student quality club	AUE
9	Web design/coding club	MCA
10	Life science club	Mathematics
11	Power quality and energy audit club	EEE

7.6 Appreciation from MHRD SWAYAM NPTEL

More focus is being made on educating the faculty and the students on NPTEL courses. In turn, they have been exerting potential response with the number of NPTEL certification getting increased year after year. As a mark of academic excellence in NPTEL certification. They are Mrs. A. Hemalatha/Mech, Mr. T.L. Vijaya Kumar / Mech, Mrs. S. Venkata Lakshmi / CSE, Dr. S. Ramesh / IT, Mrs. R. Seetha Lakshmi / Chemistry have acquired Gold. Similarly 9 faculty, Dr. P. Udhaya Kumar / HOD/Mech, Dr. A. Marimuthu / EEE, Dr. J. Rajesh Babu / AuE, Dr. P. Prem Kumar / CSE, Mrs. D. Thangamari / CSE, Dr. S. Ramesh / IT, Mrs. D. Nithya Shree / English, Mr. A. Selvaraj / IT, Mrs. S. Vijaya Sharmila / I have won Silver in NPTEL certification.

In all 595 certifications have been achieved during this academic year. This number comprises achievement from both faculty and students.

8. AUTONOMOUS EXAMINATION RESULTS

I would like to showcase the performance of the students in the end-semester Autonomous examinations. The overall UG Degree pass percentage in the even semester of 2022-23 was 85.71%. This is much better than the AU exams.

APR. / MAY 2023 EXAMINATIONS – RESULT ANALYSIS (UG)

Program	No. of Students	No. of Students	Pass Percentage
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	Registered	Passed	
B.E. (Mech. Engg.)	235	178	75.74
B.E. (EEE)	219	201	91.78
B.E. (ECE)	378	332	87.83
B.E. (CSE)	471	400	84.93
B.TECH (IT)	344	303	88.08
B.E. (AuE)	12	11	91.67
B.E. (EIE)	32	30	93.75
B.TECH (AI&DS)	91	77	84.62
B.E. CSE (CS)	30	21	70
Overall Pass Percentage (UG)			85.71%

APR. / MAY 2023 EXAMINATIONS –RESULT ANALYSIS (PG)

Program	No. of Students Registered	No. of Students Passed	Pass Percentage
M.B.A.	57	48	84.21
M.C.A.	60	55	91.67
M.E. (Power Systems Engg.)	2	2	100
M.E. (Communication Systems)	4	4	100
M.E. (CSE with Specialization in Networks)	4	4	100
Ph.D (Faculty in EE / ICE / S&H)	4	4	-
Overall Pass Percentage (PG)			89.31 %

APR. / MAY 2023 EXAMINATIONS – 2020-2024 BATCH (FAST TRACK COURSE)

As per KLNCE Regulations 2020 – Clause No. 6.2.3 students without any arrears at the end of IV Semester and having CGPA of 7.50 and above are eligible. The student shall undergo the eighth semester course in the VI semester and another eighth semester course in VII semester if he/she is not having any arrear at the end of V semester. Under this scheme students from UG departments appeared fast track courses. Following list of examination results.

Program	Course Code / Title	No. of Students Registered	No. of Students Passed	Pass Percentage
B.E. (Mech. Engg.)	20ME8A2/Professional Elective IV - Unconventional Machining Processes	33	33	100

B.E. (EEE)	20EE8A2/Professional Elective V - Electric Vehicles and Power Management	43	43	100
B.E. (ECE)	20HS8A1/Professional Elective IV - Human Relations at Work	75	75	100
B.E. (CSE)	20IT8B2/Professional Elective V - Software Project Management	83	83	100
B.Tech (IT)	20IT8A2/Professional Elective IV - Information Security	69	69	100

Result Analysis - Credit Transfer (Online Course) Apr. / May 2023 Examinations

As per AU Regulations 2017 – Clause No. 4.8 / and KLNCE Regulations 2020 – Clause No. 4.9

Students are permitted to credit only one online course of 3 credits with the approval of the Head of the Institution and Centre for Academic Courses.

Program	Batch	Regulations	No. of Students obtained certification and approved for End Semester Examination	No. of Students cleared
B.E. (EEE)	2019-2023	AUC R2017	5	5
B.E. (CSE)	2019-2023		28	28
B.E. (EEE)	2020-2024	KLNCE R2020	11	11
B.E. (ECE)	2020-2024		6	6
B.E. (ECE)	2021-2025		20	20

In a bid to meet the changing trends in the technical fields our institution has been introducing valid academic courses. Our mission is to transform the students into potentially employable. Hence, the Academic QC is exploring new and innovative avenues of learning to feed the students with essential technical knowledge . Also,

students are exposed to tailor-made courses which are job oriented and advanced . These courses are prescribed under value added courses vertical, open-electives and content beyond the syllables. We are very much proud to mention this features, which is possible with Autonomous status.

9. GRADUATION

Our Institute has produced an impressive Graduation achievement.383 graduate out of 391 took up their graduation .In addition (PG) 127graduates comprising MBA,MCA & ME took up their graduation

10. PLACEMENT

In order to train and make the students employable, Psychometric Tests, Training Programmes, Company Specific Training Programmes, Mock interview& Group Discussions and Expert Talks were conducted at scheduled periods for second, third and final year students. Some of the Events Organized for Placement assistance by the Training & Placement Cell include AMCAT examinations, CODEVITA, ENGINX Contest. As on date, 139 placement offers have been got for our students which include software companies, core companies and ITES with a median salary of Rs. 3 lakh/year to the maximum salary of Rs8.34 lakhs / year. Further, placement cell takes up activities related to exposure of higher studies / abroad education, entrepreneurship /start-ups, and industrial collaboration for intern research. For this purpose, our placement officers visit reputed industries for sharing knowledge to disseminate among our students. Major online conferences are arranged with technical and HR experts for the benefit of students. In addition, placement cell imbibes character building exercises among students to ensure their organizational behaviour.

10.1. List of Major Recruiters

TCS, CTS, INFOSYS, WIPRO, CAPGEMINI, ATOS- SYNTEL, HCL, ACCENTURE, ZOHO, KAAR TECHNOLOGY, EmbedUR, VIRTUSA, MINDTREE, CADENCE, DATA

PATTERN, JASMIN INFOTECH, DELPHI TVS, TVS AXLE INDIA, ASHOK LEYLAND, ELEATION, ACTIVE POWER ENGG

10.2 Placement Details for the Academic year 2023 – 2024

as on date there are 139 placement offers have been made to our students and more companies are expected.

S.No.	Department (UG)	Total No. of Students On Roll	Total No. of Eligible Students	No. of Students Offered Placement
1	Mechanical Engineering	87	35	27
2	Electrical & Electronics Engg	61	38	27
3	Electronics & Communication Engg	94	76	5
4	Computer Science & Engg	121	84	22
5	Information Technology	91	63	29
6	Automobile Engineering	04	--	--
7	Electronics & Instrumentation Engg	10	--	04
	Total	468	296	114
	Department (PG)			
8	Master of Business Administration	60	30	17
9	Master of Computer Applications	59	26	08
	Total	119	56	25

11. Campus Start-ups

Also significant is our initiative in establishing Incubation centres and start-ups inside the campus. This provides ideal platform to learn and master the technical know-how in their relevant fields of knowledge.

1. ECE department has constituted a start up initiative with Alumna Mrs.Anbumathi. CEO, The start up called Haveten, Cyber Ware 21stSkills has been dedicated to benefit of our students.

2. Another Start-up called Infinity 1 Unique has been established by final IT students.

3. Also one start-up named HR Leaf has been initiated by our MBA alumni.

Our institution is making all of efforts to increase the number of start-ups inside the campus with a view to expand the research activities in KLN-Innovation & Research Park.

12. CAREER ADVANCEMENT SCHEME:

During this academic year, our Management has generously continued to depute faculty members for doing full time and part-time. 21 teaching staff from various departments are undergoing research course leading to Ph.D.

12.1 Recognized Supervisors:

Our institution has been identified as a strong base for taking up research activities under academic stream. The following list of Research Supervisors recognised by Anna University Chennai reveals the volumes of research potential.

S.No	Supervisor Name	Designation	Department
1	Dr. A.V.Ramprasad	Principal	ECE
2	Dr. P.Udhayakumar	Professor	Mechanical
3	Dr. M.R.Thansekhar	Professor	Mechanical
4	Dr. V.Sivaramkumar	Associate Professor	Mechanical
5	Dr. C.Anbumeenakshi	Associate Professor	Mechanical
6	Dr. S.M.Kannan	Professor	EEE
7	Dr. K.Gnanambal	Professor	EEE
8	Dr. S.Parthasarathy	Professor	EEE
9	Dr. Venkatanarayanan	Professor	EEE
10	Dr. P.Loganthurai	Professor	EEE
11	Dr. S.Venkateshan	Professor	EEE
12	Dr. V.Kejalakshmi	Professor	ECE
13	Dr. N.Janakiraman	Professor	ECE
14	Dr. S.Bhuvaneshwari	Associate Professor	ECE
15	Dr. S.Miruna Joe Amali	Professor	ECE
16	Dr. R.Lakshmi	Associate Professor	CSE
17	Dr. P.Ganeshkumar	Professor	IT

18	Dr. A.Umarani	Professor	EIE
19	Dr. R.M.Satheesh Kumar	Professor	AUE
20	Dr. J.Rajesh Babu	Associate Professor	AUE
21.	Dr. N.R. Ramanujam	Associate Professor	Physics
22.	Dr. R. Geetha	Associate Professor	Physics

13. CONSULTANCY WORKS:

Our Faculty members share their enriched technical knowledge to provide consultancies for various industrial sectors. In this regard, our institution has set up necessary laboratory equipments and simultaneously our faculty are making frequent visits to the premises of industries for offering consultancy.

Dr. K.Gnanambal(Prof-EEE) has been honoured with the grant of Rs.9 lakhs under Marga dharshan Scheme, through government funding agency. This fund is granted for consultancy offered to neighbouring institutions.

Dr. S. Venkatanarayanan, Prof/ EEE is doing Energy Audit in various industries at national level and 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. In the last year he has garnered Rs.8.15 lakhs from various industries towards consultancy.

Department of Master of Business Administration has been conducting training for postal department frontline officials for more than 15 years.

14.IIPC (Industry Institute Partnership Cell) Activities:

QC-IR- IIPC progressively plays a major role in the development of our college in various aspects. 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. As its core task, IIPC involves in conducting industrial consultancy, industrial audit for more than 250 industrial clients containing various sectors. The task chiefly includes applications in the field of Power Quality Audit, Harmonic Audit, Energy Audit, Thermal Study and Vibration Audit. Every year, students are thrust upon the industrial exposure and hands on experience are given through our IIPC Cell.

Quality Circle- Industrial Relations (QC-IR) was constituted during 2021-2022 to govern all industrial related activities. This academic year 2023-2024, the following activities had been conducted successfully. 21 leading industrial experts from various industries came to our college for technical talk by which 1327 students and 56 faculty members got benefitted. 2 Industrial visits, through which more than 130 students got industrial exposure. Till now 10 technical festivals had been successfully conducted sponsored by IIPC. 9 competency development programs and Personality development program had been organized through which 1275 students and 140 faculties were benefitted. Students had undergone 12 In-plant training sessions in various industries for their academic proficiency. Many students went for internships for industrial hands on experience.

As an iconic technical institution, our college has been conducting National Science Day (28th February) every year as a joint venture between IIPC and KLNCESHA. This is an exclusive association for our first year students. In connection with this, a Mega Project Expo was 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. 8 various projects submitted for fundings from AICTE, DST, IIT Ropar, TNSCST. 2 MoU has been signed with Yi-Yuva India, CII and Sourashtra Chamber of Commerce. Students Projects were displayed on Trade Fair EXPO 2024.

14.1 KLN-INNOVATION & RESEARCH PARK (KLN-IRP)

With a mission to inculcate hands-on training for our students frequent project exhibitions and talent hunt events were conducted in KLN Innovation& Research

Park. To crown these events we invite field experts to interact with our students. At this juncture I make special mention of the motivation and support extended by our magnanimous management. KLN.IRP encourages faculty and students to participate in real-world learning opportunities that go beyond conventional academic boundaries. This Research park is monitored and governed under my supervision and Dr. S. Parthasarathy, M.E., Ph.D, Professor of Electrical and Electronics Engineering, acts as Director of our KLN – IRP. Mr. R. Thangasankaran, M.E., (Ph.D), Assistant Professor of Electrical and Electronics Engineering is the director of the park. One of the hallmarks of KLN.IRP is its emphasis on interdisciplinary projects. Following the conclusion of their Innovative Project, KLN.IRP students get an In-House Internship Certificate. Additionally, a number of events were planned exclusively for our IRP students, including technical seminars, industrial visits, and personality development programs. We take immense pride in our track record of facilitating journal publications and patent filings, which highlight the ground-breaking work and innovative solutions developed by our talented IRP students. Nearly around 65 students from various departments come under this wing to carry out their innovative projects. Additionally, our state-of-the-art 3D printing facilities enable rapid prototyping and experimentation. We are dedicated to equipping our students with the skills, knowledge, and experiences they need to become innovators and leaders in their fields.

15. Innovation Promotion Cell (IPC) is an active forum which promotes innovative ideas from students during their study. The objective of this cell is to enhance the technical skills among students to face industrial needs. During the year 2023-24 various activities were carried out by this cell. (*Annexure : 1*)

16. Intellectual Property Rights Cell (IPR Cell)

It is with great pride and excitement that I present another cell, Intellectual Property Rights Cell (IPR Cell) of K.L.N. College of Engineering. The IPR cell is a cornerstone of our institution's commitment to fostering a culture of innovation, creativity, and legal awareness regarding intellectual property among our students and faculty. Under my supervision, Dr. S. Parthasarathy, M.E., Ph.D, Professor of Electrical and Electronics Engineering, who brings a wealth of knowledge and expertise in promoting and managing intellectual property acts as the Director of IPR cell and Dr. R. Karthick, Associate. Professor of Computer Science and Engineering, whose coordination and strategic planning drive the success of our intellectual property initiatives acts as the coordinator of IPR Cell. IPR has the tools necessary to meet the needs of our academic community in terms of intellectual property. This cell provides assistance to the inventors in safeguarding their inventions by guiding with patent rights.

17. Patent

I'm proud to put on record the grant of Patent certification awarded to our institution. Our institution has achieved another mile stone during the academic year by securing 2 patents and the result for another one is yet to come soon.

The patent titled "Laser Based Hydraulic Controlled Machine And Method of Land Levelling and Ploughing Thereof" was granted to the investigators consisting myself, Dr.S.Psrthasarathy and Dr.B.Nallathsmbi.

Another patent initiated by Dr.P.Ganeshkumar HoD/ IT titled IOT based water Fertigation System and \method thereof has been accorded right certification.

Dr.J.Rajesh Babu ASP / Automobile has received patent certification for his project titled Solar Electric Vehicle. These certifications are duly granted by competent bodies.

Dr.Sateesh Pandian (ASP-Mechanical) is under process and result is awaited.

18. QC-ARD - With a view of promoting research activities among staff and students, the Quality circle under Advanced Research and Development makes strong efforts. During the academic year, nearly 54 research proposals have been made to

funding agencies; almost 54 research articles have been published in reputed journals, and 15 Faculty Development Programs were conducted on several research topics. Dr. Janaki Raman, Professor ECE has produced 3 Phds during this year under his guidance .

Mr P.Udhaya Kumar (Prof Mechanical) has produced 2 Phds during this year under his guidance.

Dr.Miruna Joe Amali (Prof CSE) has produced 2 Phds during this year under her guidance.

Major Research Proposals have been registered with Department of Science and Technology by Dr. S.Parthasarathy, Dr. K.Gnanambal, Dr.S.Miruna Joe Amali, Dr.S.Suresh Raja, Dr.P.Loganthurai for grant of Rs. 97 Lakhs. Similar proposal has been registered by Dr. S.M. Kannan, Dr. S.Parthasarathy, Dr. K.Gnanambal, Dr.S.Miruna Joe Amali for Rs. 29.94 Lakhs. More such proposals have been registered by our faculty members for the tune of Rs. 50 Lakhs.

An amount of Rs. 0.7 Lakhs has been disbursed as Incentives for our faculty who have published technical papers in indexed journals and conferences held in elite technical institutions.

To make a comprehensive exposure to all these fields, we conducted an international conference in the month of April 2024. I feel proud to mention that we have received a historical number of 144 technical papers from faculty and students.

I am more excited to share that our MCA student R. Ashwin brought laurels to our institution by receiving prize award of \$2000 (Rs. 1,66,000) from Facebook for the discovery of a bug.

19. MOUs SIGNED WITH INDUSTRIES

As a part of our institution's mission we have made significant MoUs time and again.

During this year, various MoU's have been executed by various departments and academic support unit cells to enrich cutting edge technologies of students.

20. PROFESSIONAL SOCIETIES

Almost all the engineering departments are registered with IEEE and have got IEEE students chapter. This chapter is governed by branch counsellor and student advisor from each department.

21. STUDENTS' TECHNICAL ASSOCIATIONS

For the benefit of students, each department has its own association which involves in conducting symposia, seminars, technical events, mini projects, paper presentations and project expos. Experts from relevant fields are invited as resource persons. Teachers and students from other institutions participate in large numbers and get benefitted. The first year students have K.L.N.C.E Science and Humanities Association (**KLNCESHA**). This association conducts various activities like Guest lectures, workshops, quiz contest and seminars for the enhancement / development of communication skills; and dissemination of knowledge. This year, as a part of National Science Day celebrations, mini project exhibition was conducted among first year students. Also, to inculcate more curricular skills among first year students, regular classes under Extra Curricular Activities (ECA) were conducted along with academic stream. This move covered club activities, sports, and Co-Curricular activities.

The hallmark of our students associations during this year was the first prize won by T. Pragatheewaran and R.P.S. Sribava of Final year EEE in the Project Expo, Techutsav-24 held at Thiagarajar college of Engineering.

Ms. M. Haritha of First year EEE won Second Prize in the paper presentation contest conducted at IEI local chapter, Madurai.

22. 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 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 unit has conducted number of activities during the academic year 2023-24. (*Annexure : 2*)

23. Women Empowerment Cell (WEC)

Women Empowerment Cell (WEC) functions to empower the rights of women 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.Buvaneswari, ASP /ECE as Convenors. The cell makes active functioning by conducting guest lectures, seminars, awareness programmes, workshops and other welfare activities.

24. 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 was 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 Chief Patron, Dr. S. Ilangovan, ASP/IT as Advisor and Dr.A.Umarani, Prof/EIE, Mrs.N.Vishnudevi, AP/IT as conveners. This cell aims at preventing discrimination and sexual harassment against women and promotion of gender amity among students and employees.

25. Unnat Bharat Abhiyan Cell

The Unnat Bharat Abhiyan cell of our college is a recognition by the Government of India for promoting literacy and health awareness in neighbourhood areas of the institution. The project is duly carried out from the funds granted periodically. Villages near our institution named Pottapalayam and Mukkudi get benefitted out of this project. Totally 6 proposals have been submitted to the UBA for grant in the year 2023-2024.

26. Student Care Centre (SCC)

Student care Centre 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. This forum is headed by Dr.R.M. Satheesh Kumar and is carrying out lot of activities during the academic

year. Along with key concepts of social behaviour, this forum exposes student community to moral values of life and organizational behaviours.

27. Sports Events

KLNCE is ever on the verge of promoting sportsmanship among students. I am happy and proud to inform that, this year our students have done remarkable achievements, which have not been done earlier and brought laurels to our college. At the outset, I would like to thank Our Management and Our Principal for their over-whelming support and guidance for promoting the Sportsmanship among Our Students. Our institution is a centre for Anna University Zonal level competitions. During this academic year, many of our students brought laurels to the institution by way of winning Gold medals at various National level competitions and tournaments.(Annexure :3)

28. DONORS

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.

29.SUMMARY

I would like to summarize the entire events of the academic year 2023-24 in a nutshell.

1.Quality Education

- The academic history from the day of inception carries the hallmark of college 516 University Ranks, including 16 Gold medals.
- Our institution has been accorded with “A” rating by MHRD Swayam NPTEL
- Staff are facilitated by an exclusive Staff Development Cell (SDC) for enhancing their teaching skills.
- In tune with the current trend, our institution focuses on Outcome Based Education and in, turn, has constituted the Continuing Education Cell (CEC).

Staff are given relevant exposure through this forum so as to train themselves on the content beyond syllabus and industry based learning.

- In order to meet the hi-tech infrastructure, every lecture hall and laboratory is equipped with LCD projectors and other digital learning facilities.
- College is ably handled by experienced and highly qualified staff. Staff – student ratio is 1:12 which is highly appreciable than the mandate stipulated by AICTE and Anna University.

2. Successful Graduation:

- The outcome based education is proved by way of successful graduation every year. Both teaching and non-teaching staff are duly trained to update the concepts of outcome based education.
- Almost all the departments secured 98% graduation among UG Students and PG students in the academic year 2022 – 2023
- Our institution honourstop ranking in studentsend semester autonomous examination ranks with Gold Medal and prizes, which are generously sponsored by college management and donors.
- BLOOM's TAXONOMY pattern is adopted in the Examination System for fusing the technical knowledge in serial process.

1. Potential Employability

- Training and Placement Cell is ably managed by Professor level faculty and also an Alumni of KLNCE.
- Our institution is accredited by TCS for DAY ONE Campus recruitment every year.
- IT, ITES and core companies have enrolled KLNCE in their top notch list of technical institutions and are visiting our campus to recruit our students in large numbers every year.
- MBA, MCA Students are provide with internships during the end of their courses period followed by placement offers.

- KLNCE has built and has been maintaining excellent Liaison with industries, in a bid to secure enormous training in technical, Soft Skills, Communication skills, Task oriented Online Placement & Mock training facilities.
- Our training and placement cell organizes Pre-employment training programme for students to enrich their employability skills and mould them as industry ready.
- Career Development Cell functions in a move to provide necessary counselling for higher studies.
- Through relentless and strenuous efforts of our college Training and Placement Cell, 139 offers have been achieved so far during the current year (2023–2024).

4. Advanced R &D:

- Our management executive committee is very much keen on promoting research and development activities in KLNCE. As a result, Research and Development Unit has been mooted and it functions in an effective manner. This unit has a strong fold of faculty members who involve in Consultancy work in the areas of Harmonic Studies / Power Quality (EEE), Heat Transfer (Mech.), Industry Automation (CSE) and Internet of things (IT).
- Simultaneously, for the benefit of students, Non – Conventional Renewable Energy Club functions in developing the research outlook among them. Our management is highly generous in granting fund for these projects, in addition to sponsor conferences at National and International levels.
- With much proud, I would like to mention that KLNCE has 60 Teaching Faculties with Ph.D. qualification while 21 Teaching Faculties are pursuing Ph.D..
- KLNCE faculty (MBA) involve in providing Soft skill training to Govt. Officials.
- As a mark of elevating the research process, our institution has constituted IERIG Centre – Institution of Engineers Research Innovation Group Centre to develop innovative projects in association with IE (India).

30. CONCLUSION:

These activities definitely speak volume of KLCE's academic excellence and technical potentiality. KLN College of Engineering is the brain child of our Founder-President Amarar Shri K.L.N.Krishnan. I would like to dedicate these achievements to the Founder-President, and Respected President, Respected Secretary and Correspondent, and other office-bearers of our college executive committee. I have a strong conviction that only with their guidance, motivation and support these credentials are possible. KLN College of Engineering is the brain child of our Founder-President Amarar Shri K.L.N.Krishnan. I strongly believe that they extend that much noble gesture to transform this institution as one of the best in technical education field, and to move ahead global level. We are really proud by getting the philanthropic support and guidance from our current management including his sons. As a mark of reciprocity, myself and all the staff of this institution dedicate our sincere services to nurture this institution. The institution grows in a marvelous level of recognition from all the stakeholders and is leading as one of the frontiers of technical institutions. As many of us are aware, our Founder-President is well-known as Jyothi Krishnan. The light lit by him 30 years ago is still shining and has laid the essentialities of prosperous and joyful life for many families. At this juncture on behalf of all the staff of this institution, I affirm that we will carry the torch of flame ignited by our Founder-President. I express my heartiest gratitude and sincere thanks to our President, our respectful Secretary and the entire management of KLN College of Engineering Council for their guidance and mentoring. Next, I would like to thank the parents for their trust upon KLNCE as their sons and daughters are transformed as employable engineers. On behalf of our management and staff, it is my belief that the parents are quite impressed with the worthy education, successful graduation and employability provided to their wards.

Before concluding my address, I like to put on records the service rendered by all Head Of the Departments, teaching faculty, and Supporting, Administrative, Non-Teaching staff and other staff. It is due to their full co-operation in providing quality education to the students that KLNCE is on the front line I am thankful for the entire staff members who shed their all out efforts in taking this

institution to the dizzy level of reputation and fame. I also express my hearty wishes to students who become the brand ambassadors of this institution through their academic excellence, discipline, and proving their efficiency at their workplace. Their worth is the core element in elevating KLNCE to the global level.

Thanks to one and all.

ANNEXURES

1. Innovation Promotion Cell (IPC) – 2023-2024

S. No	Name of the Event	Date	Venue	No. Of Participants
2	IPC Sponsored Expert talk titled “Recent Trends in Additive Manufacturing”	27.01.23	ECE Seminar Hall	78 students from various branches
3	StartupTN-Hackathon “DevHack 2023”	27.01.23	Thiagarajar College of Engineering, Madurai	1 Team with 3 students from II Year ECE
4	Industrial visit to MABIF, Agricultural College, Madurai	24.02.23	MABIF, Agricultural College, Madurai	146 students from I Year CSE
5	Two Day IoT Hands-on using Node MCU	24.02.23 & 25.02.23	VLSI Lab/ECE	21 students from various departments
6	TNSI 2022-Awareness talk about TNSI 2022 (Stage I)	01.02.23	Smart Meeting Hall, KLNCE	81 students from various branches
7	TNSI 2022-Students team registration	15.02.23	Online submission	58 Teams (MECH-3, EEE-9, ECE-24, CSE-9, IT-12, AI&DS-1)
8	TNSI 2022-Ideation Camp (Stage II)	27.02.23 & 28.02.23	EDII Madurai Kamaraj University EDII Hub, Madurai.	12 Teams (ECE-8 & CSE-4)
9	TNSI 2022-Boot Camp (Stage III)	06.08.23 to 08.08.23	EDII Madurai, Anna University Regional Campus, Madurai.	3 Teams from ECE
10	TNSI 2022-Final Pitch (Stage IV)	29.03.23	EDII, Chennai.	1 Team from ECE
11	TNSI 2022 Prize Distribution Function	01.11.23	Anna University, Guindy, Chennai	1 Team from ECE (Rufioo)
12	Millet Fair cum Exhibition	07.03.23	Agricultural	90 students from

			College and Research Institute, Madurai	various departments
13	Entrepreneurship awareness camp	10.03.23	MADITSSIA Hall	4 students from MBA
14	IPC Sponsored Students Project Funding Scheme 2023 (IPC SPFS 2023)	09.03.23, 11.03.23 & 13.03.23	TPO Cell & IIPC for Project Review Presentations	13 Teams

2. NATIONAL SERVICE SCHEME (NSS)

S. N O	DATE	ACTIVITY	RESOURCE PERSON/ CHIEF GUEST	NO.OF VOLUNTEER S/ PARTICIPANTS
1	15.3.24	First Time Voters Awareness Program	Government officials from Sivakangai Collectorate	120 Students from II Year B.Tech IT & B.E. CS
2	14.3.24	One Day Eye Check-up Camp in association with Vasam Eye Care, Madurai	Mr.Pitchaikani-Camp organizer, Vasam Eye Care, Madurai	340 First Year B.E. / B.Tech Students and 140 Staffs
3.	01.3.24	Blood Donation Camp in association with Rajaji Government Hospital, Madurai.	Doctors & Nurses from Rajaji Govt Hospital, Madurai.	41 participants & 15 Volunteers
4	7.12.23	Road Safety Awareness Rally - Chinthamani	Madurai District Police Commissioner & Officials	33 I Year B.E./B.Tech Students

		Ring Road Junction in association with Madurai District Police Department		
5.	3.11.23	General Medical Camp for Staff & BLOOD DONATION CAMP in association with Velammal Medical College Hospital & Research Institute	Doctors & Nurses from Velammal Medical College Hospital & Research Institut, Madurai.	Blood Donars – 22 Staff Benefited – 88
6.	18.10.23	Wall Magazine cum Poster Making Competition in association with Election Commission of India – First Time Voters Awareness Program	Sivagangai District Officials & Dr. R.M. Satheesh Kumar / HOD-Automobile Engineering	40 (First Year)
7.	13.10.23	Blood Donation Camp in association with GH-Sivagangai.	Doctors & Nurses from Sivagangai Govt. Medical College Hospital, Sivagangai.	67 participants & 20 Volunteers
8.	6.05.24 – 12.5.24	Special Camp – NSS – Konthagai	Resource persons from various departments	100 students from I year and II year

		Village		
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3. Sports Events

NATIONAL LEVEL TOURNAMENT:

Our College Student **M.SWETA I Yr ECE** has secured gold medal in Anna University Chennai Inter-Zonal Rifle shooting tournament in Anna University sports board Chennai, and She also represented Anna University Sports board **South - West Zone Rifle shooting** tournament held at **Kurukshetra University ,Kurukshetra(02.01.2024 – 07.01.2024).**

NATIONAL LEVEL TOURNAMENT:

Our College Student **Mr.R.SRIRAM**, IV Yr IT was selected in Anna University Chennai **KHELO INDIA NATIONAL LEVEL FENCING (MEN) CHAMPIONSHIP** held at **Shivaji University Bangalore** , and he also represented Anna University Sports Board Chennai and he was selected in **KHELO INDIA NATIONAL LEVEL FENCING (MEN) CHAMPIONSHIP HELD AT JAIN UNIVERSITY GLOBAL CAMPUS BANGALORE** during 27.04.2022 to 03.05.2022

And he also has selected in Anna University Chennai **Inter-Zonal Fencing Men Tournament**. He won **GOLD Medal** in the year 2023 held at Paavai College of Engineering Salem. And he also Participated **All India Fencing Men Tournament** in **GURUNANAK DEV University, Amristar.**

CM TROPHY DISTRICT LEVEL TOURNAMENTS :

- I. **Mr. A. MOHAMED THALHA IV YR CSE** won **RUNNER UP** in **CM TROPHY TABLE TENNIS (MEN)** Tournament held at Sivagangai during 10.08.2023 to 11.08.2023.

II. Mr.M.ASHOK KUMAR III YR MECH won **BRONZE MEDAL** in **CM TROPHY** BADMINTON (MEN) Tournament held at Sivagangai during 10.08.2023 to 11.08.2023.

III. Mr.A.ASHQAR II YR CSE won **BRONZE MEDAL** in **CM TROPHY** BADMINTON (MEN) Tournament held at Sivagangai during 10.08.2023 to 11.08.2023.

IV. Mr.A.ASHQAR I YR CSE won **BRONZE MEDAL** in **CM TROPHY** BADMINTON DOUBLES (MEN) Tournament held at Sivagangai during 10.08.2023 to 11.08.2023.

ZONAL LEVEL ATHLETIC MEET:

I. Mr. P.S.SANJAY –IV YR MECH won **BRONZE MEDAL** in the event of **110mts HURDLE Men**. He also participated in Anna University, Chennai Inter-Zonal Athletic Meet in the event **110mts HURDLE Men** held at Kongunadu College of Engineering, Namakkal in the year 2023.

II. P.ASHMITHA–III YR AI&DS won **GOLD MEDAL** in the event of **JAVELIN THROW (W)**. She also participated in Anna University, Chennai Inter-Zonal Athletic Meet in the event **JAVELIN THROW (W)** held at Kongunadu College of Engineering, Namakkal in the year 2023.

III. P.ASHMITHA–II YR AI&DS won **SILVER MEDAL** in the event of **SHOTPUT (W)**. She also participated in Anna University, Chennai Inter-Zonal

Athletic Meet in the event **SHOTPUT (W)** held at Kongunadu College of Engineering, Namakkal in the year 2023.

IV. K.SUKI- III YR IT won **BRONZE MEDAL** in the event of **HAMMER THROW (W)**. She also participated in Anna University, Chennai Inter-Zonal Athletic Meet in the event **HAMMER THROW (W)** held at Kongunadu College of Engineering, Namakkal in the year 2023.

V. B.RAKSHITHA - III YR IT won **SILVER MEDAL** in the event of **HEPTATHLON (W)**. She also participated in Anna University, Chennai Inter-Zonal Athletic Meet in the event **HEPTATHLON (W)** held at Kongunadu College of Engineering, Namakkal in the year 2023.

VI. S.YUVASRI- IV YR EIE won **BRONZE MEDAL** in the event of **HEPTATHLON (W)**. She also participated in Anna University, Chennai Inter-Zonal Athletic Meet in the event **HEPTATHLON (W)** held at Kongunadu College of Engineering, Namakkal in the year 2023.

ZONAL LEVEL TOURNAMENT

In **Anna University Sports Board, Chennai Zone - XVI** Zonal Level, Our College Students proved their Excellence in Various Sports and Game Tournaments in the year 2023 – 2024, and brought laurels to our college.

- ❖ **TABLE TENNIS Women Team** secured **SILVER Medal**
- ❖ **TABLE TENNIS Men Team** secured **BRONZE Medal**.
- ❖ **BADMINTON Men Team** secured **SILVER Medal**.
- ❖ **BADMINTON WOMEN Team** secured **BRONZE Medal**.

- ❖ TENNIS Men Team secured BRONZE Medal.
- ❖ BASKETBALL Men Team secured BRONZE Medal.
- ❖ BASKETBALL Women Team secured FOURTH Place.
- ❖ HOCKEY Men Team secured FOURTH Place.
- ❖ BALL BADMINTON Women Team secured FOURTH Place.

Anna University Chennai Zone-XVI Overall FOURTH PLACE in the year 2023-2024.

Institutional Innovation Council (IIC) – 2023-2024

Date	Event	No. of Students Participated
25.01.2023	Intra Collegiate Symposium IIC-KLNCE&KLNCESHA	Students-200
17.02.2023	Entrepreneurship Awareness Talk- promoting to Startup Idea Dr.M.Umapathy,Professor,HAG/D irector,CEDI,NIT-Trichy and Mr.G.Krishnan,CEO and Resident Mentor,CEDI,NIT,Trichy	Students-120 Faculty-07
28.02.2023	School Reaching Program (Government Higher Secondary School-Samanatham)	Students-40
28.02.2023	Incubation Visit on Madurai Agribusiness Incubation Forum (MABIF)	Students-51 Faculties-04
24.03.2023	Project Contest'23	Students-175
21.04.2023	“Open Challenge on Innovation- Project Expo-2K23” Er. Aravindan, Senior Software Engineer, Tarnea Technology Solution Pvt. Ltd, Bangalore, Er.Arima Valan	Students-110

	Immanuel, Deep Learning Research in Boltzmann Labs , Bangalore, Er.M.Savariraj, EC Member, IEI, Madurai Local Centre, Madurai	
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