LORDS INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

Approved by AICTE, New Delhi | Affiliated to Osmania University | Established: 2002

INSTITUTE STRATEGIC PLAN

2025–2030

Document Overview

Item	Details
Institution	Lords Institute of Engineering and Technology (LIET), Autonomous, Hyderabad
Plan period	Academic Years 2025–26 to 2029–30
Overall responsibility	The Principal, Deans, Heads of Departments and the institutional committees concerned
Review mechanism	Quarterly progress reviews and an annual institutional review through IQAC and the appropriate statutory bodies
Plan status	A framework for institutional development; the activities will be carried out through annual action plans and approved budgets

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1. Executive Summary

The Five-Year Strategic Plan (2025–2030) sets the direction for the next stage of development at Lords Institute of Engineering and Technology (LIET). It brings together the institution's priorities in teaching and learning, research, faculty development, student placements, infrastructure, accreditation, community service and administration.

This plan will serve as a common guide for the institution. It links the long-term priorities of LIET with annual targets so that departments, administrative sections and committees can work towards the same objectives. The progress of an institution depends not only on buildings and rankings, but also on committed faculty, active students, useful learning experiences, strong partnerships and a willingness to improve continuously.

During 2025–2030, LIET will give priority to strengthening Outcome-Based Education (OBE), providing flexible and industry-oriented learning opportunities, promoting research and innovation, improving placement opportunities, building international academic relationships and developing a sustainable campus supported by technology. Progress will be reviewed from time to time, and the institution may revise its actions based on performance, feedback and changes in higher education.

2. Institutional Context and Strategic Direction

As an autonomous engineering institution approved by AICTE and affiliated to Osmania University, LIET must keep pace with changes in education, technology and industry. This strategic plan provides a common direction for curriculum development, teaching, research, student support, infrastructure and institutional administration.

LIET aims to grow while maintaining a balance between academic quality and innovation. The institution will work to improve student employability while encouraging higher studies and entrepreneurship. It will also develop partnerships that provide real benefits to students and faculty, and strengthen institutional performance while remaining inclusive and socially responsible.

Strategic direction

- Provide a student-friendly learning environment through OBE, effective teaching methods and flexible learning options.
- Encourage research and innovation, including quality publications, patents, funded projects, incubation and entrepreneurship.
- Develop long-term working relationships with industries, professional bodies, alumni and reputed universities in India and abroad.
- Strengthen faculty capability, laboratories and digital facilities, while maintaining a safe, inclusive and environmentally responsible campus.
- Follow transparent administrative practices, maintain reliable data and conduct regular quality reviews to support better decisions and continuous improvement.

3. Purpose and Objectives

This plan is prepared to give LIET a clear roadmap for improving academic quality, research and student employability over the next five years. It will help ensure that the work of every department, committee

and administrative unit, along with the resources provided, contributes to the institution's long-term development.

3.1 Core objectives

Focus area	Strategic objective
Academic quality and accreditation	Keep programmes aligned with OBE, NEP 2020 and current engineering developments. Strengthen academic processes and prepare eligible programmes for the relevant accreditation and ranking requirements.
Industry readiness and placements	Help students understand workplace expectations through internships, live projects, industry interaction, certifications and placement preparation.
Research and innovation	Promote quality publications, patents, funded projects, consultancy, product development and research involving more than one discipline.
Entrepreneurship and start-up support	Provide incubation, mentoring and innovation facilities to help students and faculty turn their ideas into useful solutions and possible start-up ventures.
Faculty empowerment	Encourage Ph.D. qualifications, professional learning, research work, international exposure and a fair process for faculty development.
Infrastructure and sustainability	Improve laboratories, smart classrooms, digital connectivity and campus facilities while using resources responsibly and following environmentally friendly practices.
Governance and financial sustainability	Improve transparency in administration through digital systems, strengthen quality assurance and identify suitable sources of additional income.

4. Strategic Goals and Key Strategies

Goal 1: Academic Excellence

- Review the curriculum regularly with inputs from industry, academic experts and other stakeholders so that programmes remain relevant to current and emerging technologies.
- Provide interdisciplinary courses and learning opportunities in emerging technologies through flexible electives and recognised online learning platforms.
- Strengthen OBE by clearly defining Course Outcomes and Programme Outcomes, assessing their attainment and recording the action taken wherever improvement is required.
- Make effective use of blended, project-based and practical learning methods, along with suitable digital learning resources.
- Improve academic advising, mentoring and student support, and identify students who need additional academic assistance at an early stage.

Goal 2: Research and Innovation

- Establish and strengthen Centres of Excellence in selected emerging technology areas, keeping in view the institution's strengths and the needs of students and industry.

- Promote quality publications, patents, funded research projects and research activities supported by industry.
- Set up and strengthen the Intellectual Property Facilitation Centre (IPFC) to create awareness about intellectual property and guide students and faculty through innovation disclosure and patent filing.
- Encourage students and faculty to take up interdisciplinary projects, develop prototypes, provide consultancy and explore technology transfer opportunities.
- Support student and faculty start-up ideas through mentoring, access to facilities and connections with external innovation networks.

Goal 3: Faculty Development

- Work towards ensuring that at least 40% of the faculty members hold Ph.D. qualifications by 2029–30.
- Organise regular Faculty Development Programmes (FDPs), workshops and training sessions on emerging technologies, OBE, curriculum development, teaching methods and assessment.
- Encourage faculty members to take part in conferences, research collaborations, industry programmes and international academic activities.
- Provide suitable institutional support and encouragement for quality research publications, funded project proposals, patents and professional certifications.
- Follow a fair and transparent faculty development and appraisal process that recognises good work and identifies areas where further support or improvement is needed.

Goal 4: Employability and Industry Connect

- Aim to achieve an overall placement rate of 80% or more by 2029–30, subject to student eligibility and employment opportunities available at the time.
- Develop industry MoUs that result in internships, live projects, expert lectures, curriculum inputs, recruitment opportunities and joint research activities.
- Give priority to arranging a structured, full-time industry internship for students after the III Year. The internship should be properly monitored and assessed.
- Provide skill-development and certification programmes to improve students' technical, professional and communication skills.
- Prepare students for placements through aptitude training, coding and domain-specific practice, mock interviews, career guidance and support from alumni.

Goal 5: Infrastructure and Smart Campus

- Strengthen ERP-based administration and use reliable digital systems for academic and administrative work.
- Improve laboratories, innovation centres, multidisciplinary facilities, smart classrooms and internet connectivity across the campus.
- Ensure that laboratory equipment, software and other learning resources are updated and suitable for the needs of each programme and current industry practices.
- Take up campus sustainability measures such as solar power, rainwater harvesting, water conservation and proper disposal of electronic waste.

- Continue improving campus accessibility, safety and maintenance so that students and staff have a better campus experience.

Goal 6: Rankings and Accreditations

- Prepare for the next NAAC assessment with the institutional aim of achieving an A++ grade.
- Work towards NBA accreditation for all eligible programmes by regularly assessing outcomes and taking action based on the findings.
- Improve the accuracy of institutional data, maintain proper records and strengthen governance and performance in relevant national ranking processes.
- Work towards the institutional target of reaching the NIRF Top 150 by 2029–30. Progress in each year will be reviewed to identify areas that need attention.
- Treat accreditation and ranking work as part of overall institutional improvement, with a focus on better teaching, research, student performance and administrative practices.

Goal 7: Community Engagement

- Continue NSS and community outreach activities, including programmes connected with the objectives of Unnat Bharat Abhiyan.
- Encourage students to use their technical knowledge to address local problems and community needs through practical projects and outreach activities.
- Promote inclusion, accessibility, diversity, student volunteering and a sense of social responsibility.
- Involve students and faculty in activities related to environmental protection, health awareness, digital literacy and other community needs.
- Maintain records of community activities, participation and outcomes so that their impact can be reviewed and improved.

Goal 8: Governance and Financial Sustainability

- Maintain transparent and participative administration by clearly assigning responsibilities, recording decisions and following up on the work entrusted to each unit.
- Make appropriate use of ERP and digital workflows to improve the accuracy, availability and timely use of institutional information.
- Explore suitable ways to generate additional income through consultancy, executive training, continuing education and alumni support.
- Prepare annual plans and budgets in line with the institution’s priorities and the results expected from each activity.
- Use IQAC reviews, internal audits, stakeholder feedback and action plans to identify gaps and improve institutional performance.

5. Priority Strategic Initiatives

The following initiatives have been selected for focused attention during the plan period. They are intended to convert the strategic goals into practical activities and measurable results in academics, research and partnerships.

S. No.	Strategic initiative	Objective and intended direction
1	Implementation of NPTEL-equivalent electives for IV Year (4-1 and 4-2)	Introduce NPTEL/SWAYAM-equivalent electives from the III Year (3-2) semester onwards. These courses will give students more flexibility to learn at their own pace and gain knowledge in areas relevant to industry. The institution will frame the required rules for course equivalence, approval, assessment and credit transfer as per the applicable academic regulations.
2	Mandatory industry internship after III Year	Arrange a full-time internship after the III Year for every eligible student in a reputed company or suitable organisation. The internship should give students practical experience and an opportunity to apply what they have learnt in the classroom. Departments will monitor the internship, including attendance, mentoring and assessment.
3	Establishment of an Intellectual Property Facilitation Centre (IPFC)	Create a centre to make students and faculty aware of intellectual property, guide them in disclosing innovations and filing patents, and support the protection and possible commercial use of technologies developed at LIET.
4	Joint certification programmes in emerging technologies (LSA)	Work with LSA and other suitable industry partners to offer joint certification courses in Artificial Intelligence, Data Science, Cyber Security, Cloud Computing and the Internet of Things. The courses should include practical training and a recognised assessment process.
5	Global academic partnerships with foreign universities	Develop active partnerships with universities abroad for student and faculty exchange, joint research, dual certification, internships and other academic activities. Each MoU should have a clear activity plan and expected results.
6	Organise an International IEEE Conference – 2026	Organise an IEEE-sponsored international conference in 2026 to provide a platform for research presentations, publications and academic networking, and to improve the institution's visibility. This will be subject to the required approvals and IEEE guidelines.

5.1 Expected outcomes of the priority initiatives

- Improve students' industry readiness through flexible electives, recognised certifications and well-planned internships.
- Encourage more innovation disclosures, patent applications, prototypes and start-up initiatives by students and faculty.
- Build stronger relationships with Indian and international institutions and industries that provide useful opportunities for students and faculty.
- Improve research quality, publications and institutional visibility through conferences and collaborative research.
- Keep the curriculum and students' skills aligned with the requirements of present-day and emerging technologies.

6. Five-Year Targets and Key Performance Indicators

The targets below show the progress LIET aims to achieve in each academic year. Departments and committees should use them while preparing their annual action plans. Wherever a target needs a specific method of calculation, the concerned committee should finalise the method and maintain it consistently for every review.

Metric / Year	2025–26	2026–27	2027–28	2028–29	2029–30
NIRF ranking	Listed	Top 300	Top 250	Top 200	Top 150
Patents	50	60	70	80	100+
Consultancy revenue (₹ Lakhs)	50	100	150	200	250
Faculty with Ph.D.	25%	30%	35%	40%	50%+
Placement rate	60%	65%	70%	75%	80%+
International MoUs	2	5	8	10	15

Note: The patent targets are retained as given in the original plan. For review purposes, LIET should clearly state whether the figures refer to new applications, applications filed, patents granted or cumulative numbers. The placement percentage should also be calculated using a common definition of eligible students and students placed. NIRF positions are targets that the institution will work towards; they are not assured results.

6.1 Additional indicators for implementation

Area	Suggested supporting indicators
Academic quality	Completion of curriculum reviews; percentage of courses with documented CO assessment; review of attainment and action taken; student progression and pass results.
Internships and industry	Percentage of eligible students completing internships; number of active industry projects; MoUs that result in actual activities; feedback from employers.
Research and innovation	Quality publications; funded proposals and grants; patent applications and grants; prototypes developed; consultancy projects; start-ups supported.
Faculty development	Percentage of faculty holding Ph.D. qualifications; participation in FDPs; faculty certifications; research collaborations; participation of faculty and students in conferences.
Infrastructure and digital systems	Laboratory readiness; use of equipment; coverage of ERP processes; availability of smart classrooms; steps taken for energy and water conservation.
Accreditation and quality assurance	NBA preparation status of each eligible programme; NAAC criterion-wise evidence; closure of internal audit observations; AQAR submission and action taken.
Community engagement	Number of outreach programmes; participation of students and faculty; number of community beneficiaries; recorded outcomes and feedback.

7. Implementation and Resource Planning

The plan will be put into practice through annual action plans prepared by the concerned departments, Deans, committees and administrative sections. Each action plan should mention the activity to be carried out, the expected result, the person or team responsible, the time frame, the resources required and the records to be maintained as proof of completion.

7.1 Implementation cycle

1. Convert the strategic goals into annual action plans at the institutional and departmental levels.
2. Identify a lead department, committee or administrative section for each initiative and assign the supporting teams.
3. Work out the required budget, infrastructure, staff and training needs, and obtain approval through the proper institutional process.
4. Carry out the approved activities in line with the academic calendar and the institution's priorities.
5. Collect progress details and supporting documents at regular intervals using common formats and verified records.
6. Review the work completed, identify delays or shortcomings, decide on corrective measures and include pending activities in the next review wherever necessary.

7.2 Roles and responsibilities

Role / Unit	Key responsibility
Principal	Lead the institution, approve priorities and review overall progress.
Deans and Heads of Departments	Prepare departmental action plans, coordinate the work and submit progress reports at the required intervals.
IQAC	Coordinate quality monitoring, verify supporting records, review KPIs, conduct internal quality reviews and include relevant progress in the AQAR.
Academic bodies and Boards of Studies	Review curriculum, academic regulations, elective equivalence, internship arrangements and assessment methods within their approved responsibilities.
Research, Innovation and Entrepreneurship units	Coordinate research support, IPFC activities, patents, funded projects, consultancy, incubation and start-up support.
Training and Placement Cell	Coordinate industry relations, internships, skill development, placement training and the maintenance of placement records.
Administration and Finance	Provide support for ERP processes, purchasing, budgeting, infrastructure development and proper use of resources.
Faculty, staff and students	Take part in the planned activities, share feedback and contribute to the institution's improvement.

7.3 Resource planning principles

- Give priority to spending that directly improves student learning, student development, research facilities, accreditation preparation and campus safety.

- Prepare the annual budget based on approved activities and identify the source of funds before starting the work.
- Make proper use of the laboratories, digital platforms, faculty knowledge and partnerships already available to the institution.
- Wherever possible, seek support through external funding, sponsored projects, consultancy and contributions from alumni.
- Review how resources have been used and what results have been achieved before continuing or expanding an activity.

8. Monitoring, Evaluation and Continuous Improvement

The Principal will lead the implementation of this plan with the support of the Deans, Heads of Departments and concerned committees. Progress will be reviewed every quarter. A consolidated review will also be prepared once a year and submitted to the appropriate institutional authority, including the Governing Body wherever required.

8.1 Review framework

Review level	Frequency	Purpose / output
Departmental review	Monthly or as scheduled	Review the progress of activities, participation of students and faculty, supporting records and any issues that need immediate attention.
Institutional KPI review	Quarterly	Compare progress with the annual targets, identify gaps and decide on suitable corrective steps.
IQAC review	At least once every quarter and during annual quality review	Check the supporting evidence, review quality indicators and follow up on the action taken.
Annual strategic review	Once every academic year	Review achievements, use of resources, risks and priorities for the following year, and submit the report to the appropriate governing authority.

8.2 Evidence and reporting

- Maintain records such as meeting minutes, action-taken reports, course and programme assessment reports, internship details, placement data, research activities, patent documents, MoUs and financial statements.
- Use common definitions and reporting formats so that progress can be compared fairly from one year to the next.
- Report achievements as well as areas where targets have not been met, along with the reasons and the steps proposed to address them.
- Include relevant quality indicators and action taken in the IQAC review process and the Annual Quality Assurance Report (AQAR).

- Consider feedback from students, parents, alumni, employers and other stakeholders while reviewing and improving the plan.

8.3 Risk management

Potential challenge	Proposed response
Changes in technology and industry requirements	Review curriculum and skill requirements regularly with inputs from industry and academic experts.
Delays in internships or placements	Develop a wider network of employers, prepare students early and identify alternative internship options.
Limited research funding or patent conversion	Support faculty with proposal preparation, mentoring, research partnerships and funding in suitable stages.
Faculty workload and development constraints	Plan FDPs and research activities in advance and consider departmental workload while scheduling them.
Infrastructure and budget constraints	Take up important projects in phases and review their use before committing further funds.
Incomplete or inconsistent performance data	Identify staff responsible for each data set, follow common definitions and arrange regular verification through IQAC.

9. Expected Institutional Outcomes

- A flexible and updated curriculum that responds to industry needs and is supported by effective OBE practices.
- Graduates with better technical, professional and workplace skills through internships and career-preparation programmes.
- A stronger research and innovation environment, with growth in publications, patents, consultancy and funded projects.
- Improved faculty qualifications and professional skills, along with greater participation in research and academic development.
- Stronger national and international partnerships that create meaningful opportunities for students and faculty.
- Improved laboratories, more efficient digital administration and a campus that makes better use of resources.
- Better preparation for accreditation and ranking assessments through proper documentation, reliable data and regular quality improvement.
- Greater participation in community activities and a stronger contribution to local and social needs.
- More transparent administration and better financial planning to support the institution’s long-term development.

10. Conclusion

The Five-Year Strategic Plan (2025–2030) gives LIET a common direction for its development over the next five years. Achieving the targets will require regular implementation, clear responsibility at every level, careful use of resources and periodic review of results. This plan should not remain only as a document for reference; it should guide the annual activities of every department, committee and administrative section.

With the involvement of faculty, staff and students, and by taking decisions based on evidence and regular review, LIET will continue working to improve academic quality, research, innovation, student success, industry relations and the overall sustainability of the institution.

Principal

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