



**NEHRU INSTITUTE
OF TECHNOLOGY**
AN AUTONOMOUS INSTITUTION
COIMBATORE | TAMILNADU



Institutional Development Plan (IDP)



About NIT

Nehru Institute of Technology (Autonomous) was established by Founder chairman, Late Shri. P. K. Das in the year 2008, a private self financing technical institution recognized by AICTE, New Delhi and affiliated to Anna University, Chennai, Accredited by NAAC with an A+ grade, NBA Accredited for Aeronautical Engineering and Computer Science and Engineering, Recognized by UGC Under Section 2(f). Under the leadership of our Chairman and Managing Trustee, Adv. Dr. P. Krishna Das, and CEO and Secretary, Dr. P. Krishna Kumar, the institute marching on its way to realising the vision and mission of our Founder Chairman.

Nehru Institute of Technology is an Endeavour of Nehru Group of Educational & Charitable Trust which has served selflessly for the cause of higher education for the last four decades. It has emerged from the galaxy of Nehru group of Institutions. Located in the scenic beauty of the Palaghat by pass and the Western Ghats, blessed with the greenery around and the abundance of Mother Nature with her calm atmosphere where one can witness the Peacocks dancing freely there flock students from as far as Manipur to the Cape to seek their future.

Methodological Education is the backbone of every country and is the stepping stone for a state to move into the position of a developed Nation. Nehru Group of Institutions has been contributing in the mission of transforming rural India into developed Nation by running Nehru Institute of Technology at Coimbatore with innovation, creativity, human intelligence and patience. We have well equipped labs, workshops and libraries to help students in conquer highest standards in Academic, Research and Leadership Skills. The campus also has adequate sports Infrastructure to take care of Sports and recreational activities. Sustainable living and care for the environment will be a strong focus in our College. Creating better human beings' is our motto and we can do it by instilling values in our students that are to be embedded in their life. The main focus of the Institution is to empower students with sound Knowledge, Wisdom, Experience and Training both at the Academic level of Engineering and in the highly Competitive Global Industrial market. The Infrastructure Facilities and State of the Art equipment's combined with a galaxy of Competent, Talented and Dedicated Faculty contribute to an enjoyable and an easy learning experience. Everyone associated with Nehru Group of Institutions will be encouraged to work to the best of their ability to reach their potential, striving for Excellence & Equity.

Vision

To be leading Institution in Academic excellence, Multidisciplinary Research, Innovation, Entrepreneurship and Industry relation in order to mould true citizens of the country

Mission

- To create innovative and vibrant young leaders in Engineering and Technology field for building India as a knowledge power by improving the teaching-learning process
- To enhance employability, entrepreneurship and to improve the research competence to address Societal needs.
- To generate engineering graduates who use knowledge as a powerful tool to drive societal transformation and inculcate in them ethical and moral values.

Quality Policy

- Nehru Institute of Technology committed to achieve recognition as Institution of Academic Excellence by consistently providing quality technical education to enhance the employability through state-of-art Infrastructural and Instructional facilities.

Quality Objectives

- To develop strong Industry-Institute –Interaction to enrich the teaching learning process and exploring career opportunities for students
- To imbibe quality consciousness at all levels of the staff.
- Encourage all to adhere to the highest ethical standards and professional integrity
- To inculcate problem solving, innovation and research by inter-disciplinary teams.

Strength, Weakness, Opportunity and Challenges (SWOC)

Institutional Strength

- Team of staff members with diverse knowledge areas and self-motivated in developing the institute to the next level.
- A robust public image of quality, reputation, area, and infrastructural centers of the college.
- A manageable number of long-term employees.
- Use of ICT tools by all teachers in smart classrooms for better learning.
- Nehru vigyan Scholarship for Nehru Institute of Technology students as per the eligibility norms.
- Research Centers, Innovation and Training Centers are working with LEAP IIT Mandi and MSME to
- focus on interdisciplinary projects.
- Dedicated placement and training department NCP & IR assures placement.
- Internships in reputed concern with stipend.
- Value Added and online certification courses through SWAYAM-NPTEL, Coursera, etc.
- Engaging in MOU's with industries and Industrial Visits.
- Well managed and controlled hostel facility for outstation students with Gym and Riffle Academy.
- Good Academic records of students are tracked regularly.
- Concentrate on knowledge and skill-based development of the students by providing exposure to
- curricular and co-curricular activities.
- NOBLE training is organised for inspiration and competency resilience.
- Green & Energy sustainable campus.
- Fully Digitalized Classrooms, Lush Green, and Wi-Fi-enabled Campus.
- Specialized faculty member teams in all the streams.

Institutional Weakness

- Limited Diversity in Student Body
- Maximum of the students are first graduation learners, their conversation abilities calls for improvement.
- Limited number of research faculty members.
- Limited sources of funding for research.

Institutional Opportunity

- To enhance the institute with potential for excellence.

- To provide more exposure by increasing the MOUs with industries and reputed universities.
- To encourage more faculty members to acquire Ph.D. qualification and guide approval.
- To encourage the faculty members to take up research projects.
- To increase the participation of students in start - ups and National level programs like Smart India
- Hackathon, Innovation Voucher Program, New Gen IEDC.
- To provide more opportunities related to Placements and Start-Ups.
- Use of Drone based applications.
- Initiation of NEP Programs.
- Interaction with foreign Universities through online platforms.

Institutional Challenge

- To get featured in NIRF ranking.
- Getting more grants from government institutions for various activities.
- Encouraging students in technological based education.
- Progressing globalization of the online higher education market.
- Transform students to the level of entrepreneurs and specialized technocrats.
- To reach the apex level in the industry of academia in a short run.
- Develop innovative products and modern machines through industry connect

Short Term Goals (3 Years)

1. State-Level Branding:

- Increase visibility and recognition within the state through participation in state-level academic and industry events.
- Strengthen partnerships with local industries, government bodies, and academic institutions to build a strong state-wide presence.
- Launch targeted marketing campaigns to showcase the college's achievements and offerings to attract prospective students and faculty.

2. Industry-Integrated Institute:

- Establish collaborations with local and regional industries for internships, projects, and workshops to integrate industry practices into the curriculum.
- Develop industry-focused courses and certification programs that align with current market needs.
- Set up an Industry-Academia Advisory Board to provide guidance on curriculum development and to facilitate industry-based research projects.

3. NBA Accreditation for All Eligible Courses:

- Conduct a comprehensive gap analysis for courses yet to be accredited and create an action plan to address these gaps.
- Organize workshops and training sessions for faculty and administrative staff to align with NBA accreditation standards.
- Ensure continuous improvement and compliance with NBA guidelines through regular internal audits and reviews.

4. Research Centre Approval for the Institution:

- Prepare a comprehensive proposal highlighting the institution's research capabilities, faculty expertise, and infrastructure to obtain research center approval.
- Build collaborations with national and international research institutions to strengthen research activities.
- Focus on developing specialized research areas aligned with the institution's strengths and state priorities.

5. Placement Goals (Average Package – 4L; Highest Package – 10L):

- Strengthen the placement cell with dedicated resources and build strong connections with top companies to achieve the desired placement targets.
- Implement skill development programs and pre-placement training to enhance student employability.
- Regularly assess industry trends and align curriculum and training programs to meet market demands.

6. Research Project Grant – 1 Cr:

- Encourage faculty and researchers to apply for research grants by providing support in proposal writing and identifying funding opportunities.
- Foster interdisciplinary research projects that align with funding agency priorities.
- Create incentives for faculty members to secure grants and contribute to the institution's research portfolio.

7. H-index – 20:

- Promote high-impact research by encouraging faculty to publish in reputable journals with high citation indices.
- Provide access to advanced research tools, resources, and databases to facilitate high-quality research.
- Organize workshops on effective research communication and publishing strategies to improve citation rates.

8. Patent Grants:

- Establish an Intellectual Property (IP) Cell to assist faculty and students in the patent filing process.
- Encourage innovation and patentable research by offering incentives for patent filing.
- Collaborate with industry partners to identify research areas with strong patent potential.

9. Startups:

- Create a startup incubator to support student and faculty-led entrepreneurial ventures.
- Provide mentorship, seed funding, and access to industry networks to nurture startups.
- Foster a culture of innovation and entrepreneurship through regular events, hackathons, and startup competitions.

10. Skill Development Courses:

- Introduce skill development courses in emerging areas such as AI, data science, and digital marketing to enhance employability.
- Partner with industry leaders to offer certification programs aligned with industry requirements.
- Continuously update the curriculum to include the latest tools, technologies, and practices relevant to the job market.

Mid Term Goals (6 Years)

1. National-Level Branding:

- Expand marketing efforts to national platforms, including participation in national conferences, fairs, and media campaigns.
- Foster nationwide alumni networks to enhance the institution's reputation across various regions.
- Collaborate with top academic and research institutions across the country to enhance visibility and reputation.

2. NIRF Position in Top 200:

- Focus on improving key NIRF metrics such as teaching, learning resources, and research outcomes.
- Implement strategies to enhance the institution's reputation among peers, employers, and the public.
- Regularly monitor and analyze NIRF ranking criteria to make data-driven improvements in various areas.
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3. Admissions – All States of India:

- Launch targeted outreach programs and scholarship schemes to attract students from all over India.
- Strengthen the admission process with a focus on diversity and inclusion.
- Organize nationwide entrance exams and online application systems to simplify the admission process for out-of-state students.

4. Funded Incubation Centre:

- Secure government and private funding to establish a well-equipped incubation center for startups.
- Develop a structured program for incubating startups, including mentorship, funding, and networking opportunities.
- Partner with venture capitalists and angel investors to support the growth of incubated startups.

5. Overseas Academic Collaborations:

- Establish partnerships with international universities for student exchange programs, semester abroad programs, and dual degree programs.
- Focus on research collaborations with leading global institutions to enhance academic and research output.
- Promote faculty exchange programs to foster cross-cultural academic experiences and global exposure.

6. Placement Goals (Average Package – 6L; Highest Package – 30L):

- Enhance industry collaborations and build partnerships with multinational corporations for better placement opportunities.
- Continuously upgrade placement training programs to meet the expectations of top-tier recruiters.
- Increase the number of placement drives, including inviting international companies to recruit on campus.

7. Research Project Grant – 5 Cr:

- Focus on large-scale, interdisciplinary research projects with significant societal impact to attract higher-value grants.
- Develop strategic partnerships with government bodies, industries, and international organizations to secure funding.
- Regularly organize grant-writing workshops to assist faculty in securing high-value research grants.

8. Online Degree/Diploma Learning Programs:

- Develop and launch accredited online degree and diploma programs in high-demand fields.
- Utilize advanced e-learning platforms to offer a seamless learning experience for online students.
- Partner with ed-tech companies to expand the reach and accessibility of online programs to a global audience.

Long Term Goals (10 Years)

1. International Branding:

- Establish a global presence through international collaborations, partnerships, and marketing campaigns.
- Participate in international academic conferences and exhibitions to showcase the institution's achievements.
- Develop a strong online presence and global outreach strategy to attract international students and faculty.

2. Participation in QS World Ranking / Times Higher Education Ranking / Shanghai Ranking:

- Focus on achieving excellence in research, teaching, and international outlook to meet ranking criteria.
- Build a strong international faculty base and increase the number of international students to enhance global standing.
- Continuously improve infrastructure, research output, and academic reputation to rank among the top global institutions.

3. Admissions – NRI, Foreign Nationals (FN), OCI, CIWGC:

- Develop specialized programs and support services to attract and retain students from diverse international backgrounds.
- Establish an international admissions office to handle applications, visas, and student services for overseas students.
- Offer scholarships and financial aid packages specifically designed for international students.

4. Bilateral Collaborative Research Grants:

- Establish bilateral agreements with foreign governments and institutions to facilitate joint research projects.
- Focus on global challenges and innovation areas that attract international research funding.
- Create joint research centers with international partners to drive collaborative research efforts.

5. Placement Goals (Average Package – 10L; Highest Package – 1Cr):

- Attract top-tier global companies to participate in campus placements through international partnerships and networking.
- Focus on developing global competencies among students to meet the demands of international recruiters.
- Strengthen alumni networks worldwide to facilitate better placement opportunities in top global companies.

6. University Status:

- Work towards achieving university status by expanding academic programs, research capabilities, and infrastructure.
- Ensure compliance with all regulatory requirements and standards necessary for university recognition.
- Focus on diversifying academic offerings, including interdisciplinary programs and research-driven courses, to qualify for university status.



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