



Estd. 2000
College Code:
0030

INDERPRASTHA ENGINEERING COLLEGE, GHAZIABAD

(Shaping Engineers and Leaders for Future)

(Approved by AICTE & Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow, U.P.)

NAAC Accredited Institute, NBA Accredited Programs (B.Tech. - CSE, IT and ECE)

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Strategic Plan : 2023-2029





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Vision & Mission of the Institute

MISSION :

- ❖ Be the most preferred choice of Student, Faculty and Industry.
- ❖ Be a National Level Technical Institution fostering Teaching, Research, Extension Education, Innovation, Leadership and Entrepreneurship Spirit.

VISION :

- ❖ "National leadership in Human Resource Development, Excellence in Education and impacting Society through Globally Competent Technologies".

Strategic Plan 2023-29

1. Key achievements are:

- (a) Three departments Computer Science & Engineering, Electronics & Communication Engineering and Information Technology are accredited by National Board of Accreditation (NBA).
- (b) NAAC accredited College (Cycle 1 Grade B++).
- (c) Life Institutional Membership of the Institution of Engineers (IEI).
- (d) Institutional Member of the Indian Society for Technical Education (ISTE).
- (e) IPEC- TBI (MSME-approved).
- (f) AICTE IDEA LAB.
- (g) Highest Package Offered 30.56 LPA & Average Package of last 5 Years. offered 5.08 LPA
- (h) Ranked 9th in North Zone, 36th Ranked in Private T- School (PAN India) and Ranked 42nd employability Index (PAN India) By Dataquest in Sept. 2023.
- (i) The Institution of Engineers (India) Recognises the commendable performance of Inderprastha Engineering College, Ghaziabad for the category Engineering Institution and Colleges.
- (j) Top Rankers of AKTU Session: 2019-23:- Bhumika Saklani, ECE Deptt.(3rd Rank), Harsh Tewari, ME Deptt. (3rd Rank), Surbhi Saklani, ECE Deptt. (7th Rank)
- (k) PMKVY 4.0 Center


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2. Strategic Goals

In the era of a technology-enabled world, the strategic goals of the institution are dynamically changed. The strategic goals for the next six years are mentioned below:

Short-term goals (2023-2024) :

- (1) To encourage best practices and high-quality instructions inside the institute.
- (2) To initiate NAAC accreditation for cycle 2.
- (3) To initiate NBA accreditation in the previously accredited branches (Computer Science & Engineering, Electronics & Communication Engineering and Information Technology).
- (4) Already acquired ISO 9001:2008 Quality Certificate and now initiated for ISO 50001:2018 – Energy Management System of IPEC, Green audit Certificate No. G-1428, ISO 9001:2015 Quality Management System of IPEC.
- (5) To increase the number of technical, aptitude and assessments for the students from professional agencies.
- (6) To develop a network with the industries and institutions.
- (7) To establish an interdisciplinary culture within the organization.
- (8) To create awareness among the Staff, Faculty and students regarding National Education Policy (NEP-2020).
- (9) To organize activities related to human values.
- (10) To organize activities related to innovation, incubation, and entrepreneurship.
- (11) To establish a Faculty training and development cell (FTDC) for developing teaching traits in faculty.
- (12) To strengthen the network of academicians, parents, alumni and stakeholders.
- (13) To promote Hackathon culture in the institute.
- (14) To start foreign languages in the institute.
- (15) To enhance curricular and extracurricular activities in the institute.
- (16) To start computer applications and management Master's and Bachelor's degree programs.
- (17) Developing a system for practicing engineering & research through training, collaborations, and programs.
- (18) Developing a network with industry and institutions.
- (19) To give balance between life and study and to cope with stress (if any), we are establishing a Mental Health Club.



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Strategies: Short-term goals (2023-2024)

- (1) Enhancing the institute's best academic practices by inspiring faculty members to pursue careers as Nobel laureates.
- (2) The objective is to acquire ISO 50001:2018 and Green audit certificates to maintain quality practices in the institute. Also, train the faculty and staff members on these tools.
- (3) The overall objective for assessments of technical and aptitude skills is to increase employability. Every student has to pass this process and his/her feedback would be recorded and after that, we have to work on the improvement.
- (4) The Objective of the enhancement network with the industries is to bridge the gaps between industry and academia. Also take advantage of industrial visits, to promote consultancy, to float industrial problems among the students. Time to time the industry people will be called in the institution and will share their experiences with the students. On their feedback students must be trained.
- (5) The Objective to enhance interdisciplinary culture leads towards creativity, and better solutions, and finally make students industry-ready. In the same line, the students of different streams have to share their knowledge in other domains and better outcomes can be revealed in terms of publications and applications..
- (6) The overall objective for implementing NEP-2020 guidelines in the organization under the light of the affiliating University to aware the stakeholders about NEP guidelines. To make them aware of NEP 2020 monthly workshops/seminars for the faculty and students will be organized in the institute. Also, some experts will be called from outside for elaborate more on NEP 2020.
- (7) The affiliating university has designated the institute as a Nodal Center for human values. Under this center, organizes workshops for students, staff, and faculty members of our students and also nearby colleges.. The overall aim of the center is to inculcate ethics and values.
- (8) The institute has established an Innovation and Research Park wherein we promote innovation and research culture in the institute. The overall aim is to encourage students and startups for successful entrepreneurs. Further, we encourage students and faculty to apply for grants to the granting agencies under IPEC-TBI.
- (9) The overall objective of this Faculty training and development cell (FTDC) is to impart teaching traits to the beginner faculty and also build confidence in them. Under this practice, we have made a calendar wherein we call a faculty member to present a lecture on the subject areas. After listening to them senior faculty members guide them to excel in the teaching.



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- (10) The overall objective is to establish a good linkage with alumni to bring the technologies in the college through our stakeholders. In this regard, we organize the alumni meet at the institute and also at different locations in India to create more networks.
- (11) Hackathon culture promotes innovation and creativity in the **students**. Further, we organize two local hackathons in every semester wherein interested students of every branch participate. At the end, the winners are awarded by cash prizes.
- (12) The foreign language culture creates more overseas opportunities for the students. In this connection, we have appointed two faculties. We run these classes for students and faculty also. Under the outreach programme. We run these classes for school children in nearby areas.
- (13) The overall objective for promoting curricular and extracurricular activities in the institute for the holistic development of the students. For the same, we encourage the students to participate in inter and intra-college events. Also, we have different clubs and societies to groom the students.
- (14) The institute has established a Mental Health Club in association with Mpower - An initiative by Aditya Birla Education Trust for all students and faculty/ staff members.

Medium-term goals (2024-2026)

- (1) To acquire NIRF ranking.
- (2) To acquire QS world ranking.
- (3) To establish the Advanced Centers of Excellences in the respective departments.
- (4) To enhance publications, patents and consultancy in the institute by setting the targets to the faculty members.
- (5) NBA accreditation of the branches when their eligibility will complete.
- (6) To become an autonomous institute.
- (7) To establish a research center in the institute.
- (8) To mentor start-ups and entrepreneurs under IPEC-TBI.
- (9) To establish the institute among the top five colleges of the affiliating university.
- (10) To involve the students in the APP development activities.
- (11) To fetch more funds from Government agencies.
- (12) Make this college a skill development center in the vicinity.

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Strategies: Medium term goals (2024-2026)

- (1) NIRF ranking increases the overall perception of the institute among all the stakeholders. Also open many opportunities for the students, faculty, and staff members. The institute equally focuses on different parameters of NIRF so that the institute can secure a rank in two years.
- (2) QS Ranking increases the overall perception of the institute in the world.
- (3) These centers of Excellence (COEs) will provide ample learning and more hands-on experiences to the students. All heads of departments have been directed to add one center of excellence in the coming session.
- (4) The publications, patents, and consultancies are very much required in every ranking and also useful personal growth. To strengthen the above numbers we have framed a research policy.
- (5) The institute since its inception oriented the departments for NBA and other accreditations. As the eligibility of the courses is completed then they will go for NBA. The proper outcomes practices are in place in the respective departments. From time to time we brief the faculty members about NBA criteria and also its impact.
- (6) The institute is preparing to acquire autonomy so that we can revamp our syllabus structure and also bring newness in terms of technology to the respective departments. In this connection, we have created the Department Academic Advisory Board (DAAB) wherein we have included external members for feedback. In addition to this, we have a robust examination system.
- (7) The industry research center will provide opportunities for faculty and students to better research thinking and will also provide good useful problem statements. These statements of problems are floating to the students in terms of minor and major projects.
- (8) To mentor start-ups and entrepreneurs, we have a dedicated pool of experts. To strengthen this institute has dedicatedly provided separate building marked as innovation and Research Park. Time to time IPEC-TBI organizes activities for beginner entrepreneurs.
- (9) To achieve this target every faculty in the respective departments are dedicatedly focused on the classroom teaching and also focusing on slow learners. As the need arises separate classes also runs for slow learner students.
- (10) To involve the students in the APP development activities, the institute has made the strategies as give below:
 - (a) Identify the students who have interest in the APP development.
 - (b) Provide them separate space.
 - (c) Mentoring them by some experts in their domains.


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- (11) To fetch more funds from Government agencies, the institute has opted following strategies:
- Mentor the students and faculty by the experts of Government organization.
 - Provide dedicated space for discussing the projects.
 - Create a network of experts
- (12) To develop this college a skill development center in the vicinity the institute will opt following strategies:
- Develop the advanced labs at this institute for imparting training.
 - Developed the IDEA lab with the support of AICTE New Delhi.
 - Seek permission to start training under PMKVY 4.
 - Creating the network of industries who can impart training to different segments of people.

Long term goals (2026-2029)

- Hundred percent placements of all eligible students across the department.
- To enhance more quality admission in all the branches.
- To create more successful entrepreneurs under the umbrella of IPEC-TBI.
- To establish an Industry oriented lab for technology upgradation.
- To become an institute in the excellence category based on binary accreditation of NAAC.
- To acquire NIRF ranking under 100 in the engineering and overall categories.

Strategies: Long term goals (2026-2029)

- To fulfill hundred placements to all eligible students the institute has made following strategies:
 - Identification of the students in 1st year on the basis of their interest.
 - After that we will provide them separate guidance.
 - Technology, quantitative and soft skills training will be provided to the students from 1st to 7th semester so that they will be ready for the placement.
 - The institute has signed MOUs with professional agencies for assessments.
- To attract students to take admission in the institute following strategies are made:
 - Focus on quality teaching
 - Focus on placement
 - Focus on overall development of the students
 - Focus on accreditations and rankings
 - Focus on institute's image building
 - Focus on creating strong networks with the stakeholders
 - Focus on creating strong industry- academia interaction


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3. To create more successful entrepreneurs under the umbrella of IPEC-TBI, the institute has made following strategies:

- (a) Mentoring the students and other startups by the experts.
- (b) Separate infrastructure for the IPEC-TBI.
- (c) Regular seminars and workshops on the subject areas.
- (d) Provide the platform for awareness about the Government schemes
- (e) To establish an Industry oriented lab for technology upgradation.

(4) To establish an Industry oriented lab for technology upgradation, the institute has made following strategies:

- (a) Create a mechanism for applying such a type of Technology lab at the Institute.
- (b) Explore the opportunities among the industries
- (c) Create the mechanism for outcome of the lab
- (d) Create Sustainable model of the lab.

(5) To become an institute in the excellence category based on binary accreditation of NAAC. In this regard he has made following strategies:

- (a) Address all the parameters to all the students and faculty of the institute to understand its importance.
- (b) Strong record keeping in the institute.
- (c) Strong industry academia interaction.
- (d) Focus on research. Also will address to the mechanism to increase quality publications.
- (e) Will build a process to collaborate with the renowned institutions.
- (f) Focus on outreach programmes
- (g) Focus on hands-on training and will promote skill development.
- (h) Focus on applications and project based learning

(6) To acquire NIRF ranking under 100 in the engineering and overall categories, the institute has made following strategies:

- (a) To address all the nirf parameters to all the stakeholders and also tell them its importance.
- (b) The institute will create a mechanism to increase perception. In this regard all the faculty and students will work collaboratively.
- (c) Will provide the research facility to the faculty.
- (d) Will take experience and passionate faculty.
- (e) Will provide autonomy to the stakeholders.
- (f) Mechanism to Mobilize funds from the agencies

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Quality Policy

"IPEC Ghaziabad is committed to providing the best of education and professional job-oriented technical training at par with global standards. We further strive to achieve, excellent customer satisfaction by providing quality education through:"

- Standardized courses using state-of-the-art teaching methodologies.
- Laying of strong conceptual foundation.
- Ensuring adequate industrial, R & D and academic exposure
- Compliance with statutory and regulatory requirements.
- Regular review of the effectiveness of the Quality Management System Continual improvement in our operations.

Core Values

- **INTEGRITY:**
We act with **INTEGRITY** at the organizational level upholding the Righteousness and Ethics at highest priority.
- **PERSEVERANCE :**
PERSEVERANCE ensures dedication and persistence in all endeavors IPECians accomplish
- **ENCOURAGEMENT**
We provide Encouragement for active engineering problem solving via novel and futuristic approach.
- **COURAGEOUS**
Bold actions require an open mind with focus and speed. It means being **COURAGEOUS** and pursuing opportunities decisively.
- **TRANSPARENCY**
Opportunities can be realized with **TRANSPARENCY** and coherent working harnessing the diverse strengths within our team

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MANDATE

- E-governance and LCMS system for administrative and academic management
- One minor project and one field visit for every student for every year (from 1st year to final year)
- One month/15 days (online/offline) of industrial training/ industrial practice per academic year
- Two audit courses per year (through MOOCs).
- Two publications in Scopus/SCI, two patents, and a minimum Rupees one thousand consultancy by each faculty member.
- Publication of monthly newsletter, quarterly magazine, and annual report by each department/cell and institute
- DRM (daily review meeting) with all Heads and Dean (SW). Also, Annual academic and administrative manthan with all Heads and Dean (SW) to set department and institute goals.
- Administrative and Academic Audit (AAA) in a year
- Social activities by the universal Value Education cell of the institute.
- Value added/Enrichment/mini-hackathon/technology advancement lectures/Professional development programs for students.
- Conduction of International / National conference once in a year.
- Conduction of Board of Governors (BOG) meetings twice in a year
- Conduction of Internal Quality Assurance Cell (IQAC) meetings bi-annually.
- Annual stakeholders meet.
- Faculty & staff development program (In-house & out-station)
- Assessment of every student by professionals.
- IPEC-TBI's encouragement of the Self Help Group (SHG) to foster entrepreneurship in them.
- A fifteen-day faculty training for newly joined faculty members.
- Daily counseling of two students by every faculty member.
- Aptitude/soft-skills/Technical training
- Guidance and mentoring to startups .incubate and students by professionals in the innovation and research park of the institute.
- Encourage the students towards the skill development.(IDEA LAB/PMKVY)

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