

STRATEGIC PLAN

VISION

To impart quality technical education emphasizing innovations and research with social and ethical values

MISSION

- **Establishing state-of-the-art infrastructure, effective procedures for recruitment of competent faculty and innovative teaching practices.**
- **Creating a conducive environment for nurturing innovative ideas and encouraging research skills.**
- **Inculcating social and ethical values through co-curricular and extra-curricular activities.**

1. ABOUT THE INSTITUTION

Karpagam Institute of Technology (KIT), one of the top Engineering colleges in Coimbatore, is founded by a far-sighted educationist, Dr. R. Vasantha Kumar, who with a noble aim, wanted to make higher education in engineering and technology accessible to everyone. The college is sited at NH47 near Eachanari, Coimbatore. It is a dream come true to build such a top quality Engineering college in Coimbatore.

The Engineering College stands out as a top premier learning hub in Coimbatore with the mission of imparting excellence in top quality technical education and research. The college recognizes the top performers and meritorious engineering students with educational scholarships. A team of dynamic faculty, diverse student community and the state-of-art facilities available in the premises brand the institution as a querencia. Engineering education is provided at its best in this college.

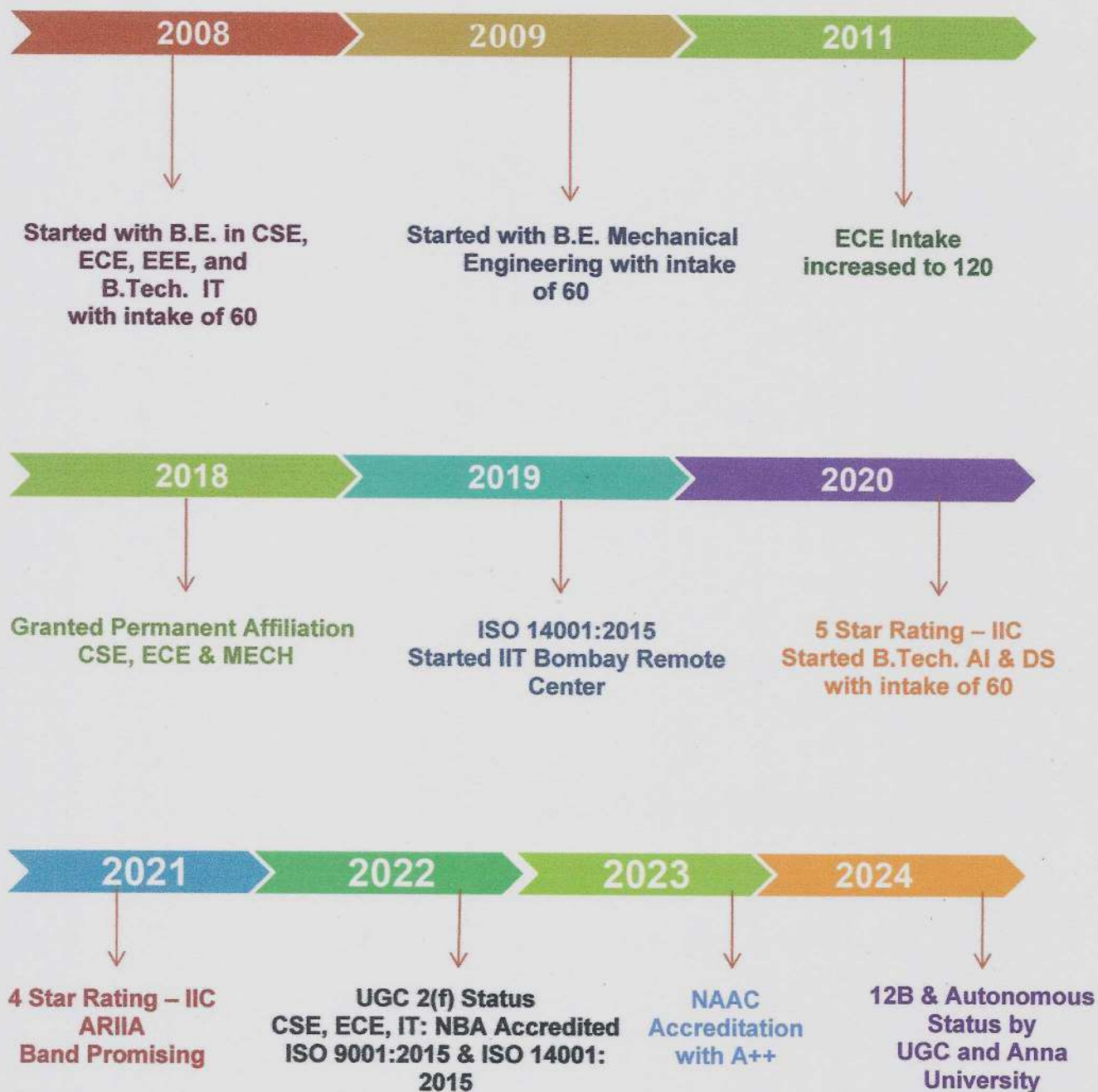
The pedagogy followed in this Institution equips our students to be at par with the latest technological developments. It creates a milieu which provides a platform for scholarly development, independent thinking and personal growth for the engineering students and also equips them with top employability skills, through practical training in the top industries which are indispensable to take their career growth a step higher.

Students at KIT find themselves involved in both co-curricular and extra-curricular activities. The college provides equal opportunities in sports and fine arts to showcase their talents in addition to the engineering excellence thereby aiding in their overall development. Alumni's valuable feedback is also taken to train our college students as per the top industrial requirements.

2. COURSES OFFERED

- B.E. Computer Science Engineering
- B.E. Electronics and Communication Engineering
- B.E. Electrical and Electronics Engineering
- B.E. Mechanical Engineering
- B.Tech. Artificial Intelligence and Data Science
- B.Tech. Information Technology

3. INSTITUTE PATH TRAVELLED



4. PREFACE

An Engineering institution needs high-level goals with long range planning and strategies to achieve its vision and mission. Strategic Planning is a continuous process with a specific focus on achieving short, mid, and long-term objectives. An institution's Strategic Plan (SP) analyzes the current environmental conditions, predicted future scenarios and determines the direction in which it should move to achieve its goals and objectives.

The first part of the Strategic Plan presents Vision and Mission all of which are developed through repeated discussions with all stakeholders (Management, HoDs, Faculty, Staff, Industry, Students, Parents and Alumni). SWOC analyses are performed to take a scientific look at our internal and external environment. Using the information found in the environment, institutional goals were formulated and strategies were determined to achieve them.

In accordance with the mission and vision of the Institution, strategic goals and strategies are drawn by brainstorming with HoDs and Professors. Action plans are crafted and circulated to all departments. SP evaluation and committees to monitor the effectiveness have also been clearly outlined. Financial constraints and fund availability are among important parameters of SP. Inter-Institutional Revenue Generation and SP evaluation have been given due consideration. In an effort to achieve a best practice, the Governing Council (GC) reviews and approves the final outcome

Finally, stakeholders are involved through active participation and collective inputs. KIT will become the torch bearer among technical institutes at the National level by 2028 as a result of the SP, which will streamline processes and progress of the institution.

5. STRATEGIC DEVELOPMENT PROCESS

It has been felt necessary by members of the Governing Council to develop a strategy for the institution. The Principal has been given the mandate to develop the institution's strategic plan for 2024-2028. Stakeholder expectations were discussed at a meeting between the Management and the Principal. As a result of numerous meetings in which the Principal, HoDs and Faculty discussed the Vision and Mission of KIT and developed possible strategic goals to be achieved by 2028.

Under the strategic theme, sub strategic goals were developed and strategies to achieve them were devised. Each Sub Strategic Goal was deliberated and strategies were arrived towards implementation. A plan for implementation includes all details, such as budget, resources needed, and leadership responsible for implementing with timelines.

Department plays a pivotal role for the institution. So, each Department set their short, mid, and long-term goals according to the Vision and Mission of the Institution. All details of the Department implementation plans, such as budget, resources needed, as well as leader responsibilities and time frames are included. Under the guidance of the Principal, the HoDs form the core team responsible for implementing Department goals.

First, the 'Planning and Monitoring Board' discussed the draft document, and then the Governing Council reviewed it in detail. Those suggestions were incorporated into the plan to ensure its effective implementation. This comprehensive plan serves as the guiding plan for the years 2024-2028.

6. STAKE HOLDERS' EXPECTATIONS

Type	Description	Expectation
Internal	Management	<ul style="list-style-type: none"> • Autonomous Status • One of the Premier Institution in Coimbatore Region • Global Brand • Sustainability • Good Governance & Leadership
	Faculty	<ul style="list-style-type: none"> • Good academic & working atmosphere • Continuous Professional Development & Growth • Innovations in Teaching Methods and Curriculum. • Career growth • Research facilities & rewards • Academic independence
	Students	<ul style="list-style-type: none"> • Career Readiness and Employability • Good academic & research ambience • Support for co-curricular & extra-curricular activities • Self-learning & Opportunity for talent exposure • Career guidance and entrepreneurial opportunities
External	Parents	<ul style="list-style-type: none"> • State-of- art-infrastructure • Technical Education with social and ethical values • Quality teaching- learning ambience • Good placements
	Industry & Recruiters	<ul style="list-style-type: none"> • Industry Ready curriculum • Industry ready professionals with proper attitude • Strong fundamentals • Strong Industry-Institution interaction • Brand and accreditations of the institute
	Alumni	<ul style="list-style-type: none"> • Regular interactions/ invitations • Career support and networking • Data base updating and interactive alumni website to strengthen Alumni Association

7. STRENGTH, WEAKNESS, OPPORTUNITY AND CHALLENGES

Strengths

- Well focused Management going by clarity in their mission to achieve the Institute vision.
- Wide campus with state-of-the-art infrastructure and resourceful atmosphere.
- Well experienced and motivated mentors valuing and implementing modern pedagogical initiatives in teaching.
- Latest technological drive and digital approach to teaching and learning process.
- Development of personality professional and organizational traits through training programs and variety of club activities.
- 88 % of Placement leads to best industry related practices in grooming students for better employability through placement training and skill development programmes.

Weakness

- Language barrier – of First Graduates.
- Funding for Research Projects from Government agencies and Private Industries.

Opportunities

- Development of Entrepreneurs as Coimbatore is an Industrial Hub.
- Skill development through various outreach activities.
- Exploring opportunities for research and patent filing.
- Better Student participation in Technical programmes.
- Instilling variety in knowledge base among students.
- Training students in language skills through IIT spoken tutorials.
- Need based Centre of Excellence.

Challenges

- Training of First Graduate and other students in language skills.
- Standardization of global competence among students.
- Student's sustainability and necessitating of core engineering programmes.

8. STRATEGIC GOALS

In order to achieve Vision, Mission and by conducting SWOC analysis, the Institution has established the following five goals:

Strategy 1 To become NIRF rank institution.

Strategy 2 Establishing Centre's of Excellence in niche and emerging technologies and to enter into collaborative research through Industry - Institute partnerships.

Strategy 3 Special focus on developing environment friendly and clean energy harvesting through solar and other forms.

Strategy 4 Creating endowments to fund for research and scholarly publications and organize events and programmes to encourage students and faculty.

Strategy 5 Developing pollution free campus.

Strategy 6 To improve Alumni network effectively.

Strategy 1: To become NIRF rank institution.

Action 1: Enhancing the quality of Teaching, Learning and Resources (TLR)

Action 2: Increasing the student strength including Ph.D students.

Action 3: Planning and executing student-centric methods.

Action 4: Improving the Faculty Development activities.

Action 5: Increasing the Industry Collaborations and its activities.

Action 6: Implementing Innovation and Entrepreneurship in the institute

Action 7: Adopting Sustainable Practices and Social Responsibility.

Action 8: Grabbing the sponsored research projects from Government agencies

Action 9: Increasing the number of patents filing and grants.

Action 10: Allocating financial resources for research, academics and holistic development.

Goal: To become NIRF ranked institution in 2028 by acquiring academic excellence, innovation, and social responsibility with effective teaching quality, fostering research and entrepreneurship, strengthening industry collaborations, and adopting sustainable practices.

Strategy 2: Establishing Centre's of Excellence in niche and emerging technologies and to enter into collaborative research through Industry - Institute partnerships.

Action 1: Centre's of Excellences partially supported by industry is being set up and avenues are explored for more such centres.

Action 2: An Industry Institute Interaction Cell has been created and avenues for more industry

powered laboratories are being explored

Goal 1: To increase the number of internship opportunities for the students in the industry and institutions of academic excellence through MoU's.

Goal 2: To improve students pursuing higher studies and research in India and abroad.

Strategy 3: Special focus on developing environment friendly and clean energy harvesting through solar and other forms.

Action: To establish solar PV system to cater the daily electricity needs of the institute.

Goal: To become self-sufficient with the energy from non-conventional energy sources by 2027.

Strategy 4: Creating endowments to fund for research and scholarly publications and organize events and programmes to encourage students and faculty.

Action 1: To create endowments to fund for popularizing the high quality research among the faculty by inviting eminent researchers from premier academic institutions and industries. (Endowments are already tuned of around Rs 4,75,000/- (Rupees Four Lakhs Seventy Five Thousands) from industries and Philanthropists)

Action 2: To use the endowments to carry out further research and publish more refereed articles.

Goal: To increase the endowments to the tune of around Rupees 40 Lakhs by 2028.

Strategy 5: Developing pollution free campus.

Action 1: To promote research in the area of pollution free energy packs such as batteries by providing research support

Action 2: To motivate more students to carry out projects in the area of pollution free energy like solar/wind tree, Electric vehicle etc.,

GOAL: To produce highly competent engineers in the areas of the pollution free energy storage and utility which are considered to be the demands of the future society

Strategy 6: To improve Alumni network effectively.

Action 1: Establishing alumni regional centers.

Action 2: Region wise alumni meeting may be conducted every year.

Goal: To connect institute with alumni for the effective utilization of them for the development of students.

9. IMPLEMENTATION STRATEGY AND MONITORING

Governing Council has to approve the strategic plan and the next step will be its implementation in true spirit. Through the IQAC, the progress will be measured periodically for proper implementation. The Principal and Heads of Departments are responsible for the successful implementation of the Strategic Plan. A committee will be formed to review, and monitor the implementation.

- Principal/HoDs
- IQAC
- Professors, Faculty & Staff
- Student representatives
- Industry representatives
- Parent
- Alumni

10. CONCLUSION

KIT started its journey in Engineering Education from 2008 and it has grown progressively and achieved many milestones. The Institute has done very well in placements. This document “The Strategic Plan” is the outcome of a detailed deliberation between the steering committee and all the stakeholders, and the Management commitment in this institute. Through this collective wisdom, all stakeholders are able to participate in and own the plan. For organizational success and sustainability, strategic goals include strategies, sub strategies, and detailed implementation plans. Stringent evaluation standards are used to monitor the execution and operational implementation of the strategic plan, which speaks to the quality of the strategy itself. In today's dynamic business environment, strategy is no longer a static document, it is dynamic.

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P. Manimekalai

PRINCIPAL

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