

INSTITUTIONAL DEVELOPMENT PLAN FOR KEC

(2024 - 2026)

ABOUT KEC

KMEA Engineering College (KEC) was established in 2002 under the management of Kerala Muslim Educational Association (KMEA), a charitable trust. It is approved by All India Council for Technical Education (AICTE) and affiliated to APJ Abdul Kalam Technological University. This is one among the four ventures in the educational field under the auspices of KMEA Charitable trust. The college is located at a scenic and serene place close to industrial belt of Ernakulum district namely Edathala.

The KEC offers 8 B.Tech programs (Civil, Mechanical, Electrical and Electronics, Electronics and Communication, Computer science, Robotics and Automation, Safety and Fire and AIDS), 5 M. Tech programs (Civil, Mechanical, Electrical, Electronics & Computer Science). and 5 Phd programs (Civil, Mechanical, Electrical, Electronics & Computer Science) giving wings to the dreams of hundreds of **First-Generation Learners**, from the **Deprived Socio Economic Sections of the Society**. The HEI was successful in ensuring **Scholarships/ Free-ships to a vast majority of our students**.

KMEA has set out its ambitious strategy to enhance the quality and value of education and develop high-quality individuals. The institution is accredited by NAAC and Five B. Tech branches are accredited by NBA.. The college is accorded with place of research status by Affiliated University and has secured the coveted 22nd Ranking in Kerala Institutional Ranking Framework (KIRF) for all Higher Educational Institutes in Kerala. KEC has participated in NIRF and AISHA E Rankings.

VISION

To be a centre of excellence in academics and research for moulding students to become competent engineering professionals with innovative ideas and dedicated to the upliftment of the deprived socio- economic sections of the society through effective teaching learning process.

MISSION

To transform budding engineers into employable quality professionals.

To inculcate the need of pursuing higher education among the graduate students so as to create a society of highly educated professionals.

To impart ethical values and social consciousness among the students so as to create responsible and socially committed engineers.

To create an excellent academic ambience which encourages creative thinking, innovations and research.

A Strategic or Institutional development plan is a comprehensive document that outlines on goals, objectives and the actions needed to achieve them. It is a roadmap that guides decision making and resource allocation to align with organizations vision and mission. A well drafted plan helps organizations navigate challenges, capitalize on opportunities and stay focussed on their long term objectives.

KEY FOCUS AREAS (KFA) OF INSTITUTIONAL DEVELOPMENT PLAN

Sl.No	Key Focus Areas (KFA)
1.	Accreditation & Ranking
2.	Autonomy
3.	Academic Quality
4.	Academic Collaborations
5.	Capability Building
6.	Social Outreach & Impact
7.	Student Outcomes
8.	Research Development
9.	External Outreach & Impact
10.	Inter Institutional Events
11.	Institutional events
12.	Industrial Collaborations
13.	Innovation & Startups
14.	Health, Wellness & Physical Education

IMPLEMENTATION OF INSTITUTE DEVELOPMENT PLAN

1. Accreditation

KFA	Key Program Indicators	Measure	Metric	Target
Accreditation & Ranking	a. State Accreditation	KIRF	Evaluation of Qn & Ql metrics	Better KIRF

				Ranking in 2025
Accreditation & Ranking	b. National Accreditation	NAAC	Evaluation of Qn & QI metrics	NAAC Accreditation with A Grade in 2026
Accreditation & Ranking	c. National Accreditation	NBA	Evaluation of Compliance Report	Three year extension of NBA in 2026
Accreditation & Ranking	d. National Accreditation	NIRF	Evaluation of Qn & QI metrics	Participation in NIRF in 2025 & 2026

2. Autonomy

KFA	Key Program Indicators	Measure	Metric	Target
Autonomy	a. Academic & Financial Autonomy	Autonomous Status	As per UGC Norms	Intake of Autonomous Batch in 2026

3. Academic Quality

KFA	Key Program Indicators	Measure	Metric	Target
Academic Quality	Value added Courses- Curriculum development & Implementation	Aligned to Social and Industry Impact	Number of Courses Implemented	5% of Total courses
Academic Quality	Formation of Advisory Board	Composition of the Panel Members	Persons of Eminence	Improving Quality
Academic Quality	Internship in Industries	Industry aligned outlook	No of students undertaking internship	50% of the total students

4. Academic Collaboration

KFA	Key Program Indicators	Measure	Metric	Target
Academic Collaboration	Collaborating with HEIs of National & International Eminence	MOU	No & Quality of MOUs signed	Two MOUs per year

5. Capability Building

KFA	Key Program Indicators	Measure	Metric	Target
Institutional Capability Building	Human Excellence	Programs and Initiatives to develop Values, Empathy and Social Consciousness	<ul style="list-style-type: none"> • Establishing programs for students • Facilitating projects for Societal Needs 	<ul style="list-style-type: none"> • Establish Student Mentoring Center • Number of Social Projects implemented - 1 per year
Institutional Capability Building	Faculty Development	Leadership & Faculty Development,	• Programs conducted during the year	<ul style="list-style-type: none"> • LDP - 1 per year • Workshops for Capacity Development - 2 per year FDP-1 per year
Institutional Capability Building	Conduction of Examination (COE)	Development Optimize and Enhance Examination Process	• Team and Infrastructure Development	• Define Role and Expectations and Implement for COE Team
Institutional Capability Building	Technology Adoption	Adoption of Technology and Applications for Productivity and Effectiveness	• Training of Users and complete Implementation	<ul style="list-style-type: none"> • Academics – Teaching & learning • Assessment & Evaluation Administration - In-house apps

6. Social Outreach & Impact

KFA	Key Program Indicators	Measure	Metric	Target
Social Outreach	Outreach Projects	Addresses Social and Societal Needs	Capstone Projects to solve real time problems	2 per department per year & KSEC activities

7. Student Outcome

KFA	Key Program Indicators	Measure	Metric	Target
Student Outcome	Examinations Success	Institutional Student Performance	Improvement in overall	Improvement by 10%

			aggregate performance	
Student Outcome	Placements	<ul style="list-style-type: none"> • Placements • Organizations • Salaries 	<ul style="list-style-type: none"> • Improvement in Number of Placements • Increase in Companies • Increase in Average Salaries 	<ul style="list-style-type: none"> Improve by 10%; not lesser than 60% of eligible • New added; Retention of current • Improve 5% to 10%
Student Outcome	Higher Education	Students pursuing Higher Education	Number of Actual Admissions	<ul style="list-style-type: none"> • 25 students every year
Student Outcome	Entrepreneur Development	Development of Student Entrepreneurs	Number of Students starting / continuing in Entrepreneurial Businesses	<ul style="list-style-type: none"> • At least 5 in 24 months • Proof of concept for 2 in 12 months
Student Outcome	Professional Bodies	Meeting the Elders	Starting to Professionals	3 or 4 bodies per branch

8. Research & Consultancy

KFA	Key Program Indicators	Measure	Metric	Target
Research & Development	Research Papers & Publications	Papers published in SCOPUS / SCI	Number of Publications per year	SCI/SCOPUS-20 per year UGC-80 per year
Research & Development	Research Grants & Research Centers	Setting up funded centers for research with external partnership	<ul style="list-style-type: none"> • Grants sanctioned by funding institutions • Partnerships in setting up centers for Research 	INR 10 lakhs by 2026 1 center by 2025 (CARE LAB)
Research & Development	Patents	Patents filed	Number of Patents filed every year	At least one per year
Research & Development	Full Time Research Scholars	Full time research fellows admissions	Enrolments every year	At least two scholars per year in a dept

Research & Development	Research Labs	Research lab with earmarked fund	Publications or outcomes from lab	At least one lab in each department
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9. External Outreach

KFA	Key Program Indicators	Measure	Metric	Target
External Outreach	Consultancy Projects	Funded Projects	Funding received	INR 10 lakh for 2025
External Outreach	Alumni Participation	Participation in Scholarships, Placements and Research Facilities Development	Actual numbers in each category	5 scholarships 50 placements Set up 1 center
External Outreach	Industry Collaboration	Industry participation in Key Events and Programs	Number of Events	• Persons of Eminence - participation in key programs

10. Inter Department Initiatives

KFA	Key Program Indicators	Measure	Metric	Target
Inter Department Initiatives	Focus on Teaching & Learning, Research and Capacity Development	Projects and Programs that will support these goals	Number of programs for each goal	• Teaching & Learning – 1 • Research – 1 • Group development - 1

11. Departmental Events

KFA	Key Program Indicators	Measure	Metric	Target
Department Events (internal & external)	Department Participation	Select and implement themes for internal events/ and participation in external events	Actual numbers in each category	National level Industry Forums

12. Industrial Collaborations

KFA	Key Program Indicators	Measure	Metric	Target
Industrial Collaborations	MOUs-Department wise	MOUs with industries with smart outcomes	No of MOUs	Two MOUs per department per year

13. Innovation & Startups

KFA	Key Program Indicators	Measure	Metric	Target
Innovation eco system	Incubation & Start ups	No of Start-ups & Innovative products	No of initiatives for each goal	Two startups per year per department
Innovation eco system	IEDC	No of Activities of IEDC	No of IPL Points	Best IEDC with Max IPL points
Innovation eco system	ARIIA or NIRF innovation	Activities for NIRF promising band	No of activities and points	NIRF innovation promising band
Innovation eco system	IPR	Creativity / Design skills, intellectual property rights, patent drafting /documentation	No of Programs	One patent per year
Innovation eco system	E Yantra Lab (IIT Mumbai)	Centre of Excellence in the field of Robotics	Activities & Outcomes	Centre of Excellence
Innovation eco system	K Disc	Activities & Funded Projects	Funds Received	Funded Projects Activities

14. Health, Wellness & Physical Education

KFA	Key Program Indicators	Measure	Metric	Target
Health, Wellness &	Inter University & Inter College championships	Conduction of events @	No of events	Centre of Excellence in

Physical Education		National & State Level		Sports & Games
Health, Wellness & Physical Education	Univesity Sports & Games events	Coaching camps & Performance oriented fitness training	No of champions & Championships	Inter zone champions in men & Women in 2025 & 2026
Health, Wellness & Physical Education	College level Sports & Games	Conduction of events & selection @ college level	Best performers	To select best performers for university level
Health, Wellness & Physical Education	Healthy Faculties for Healthy Campus	Activities & sessions	No of activities & sessions	Healthy Campus