



STRATEGIC PLAN (2019-24)

Activity	Proposed Outcome	Contribution to Vision & Mission
1. Industry Interaction	To meet the requirements of industry	M1 & To mould students into competent professionals
2. Faculty & Student Empowerment	To enhance the capacity building of students, faculty, departments & the college	M1, M2, M4 to vision
3. Innovation eco system	To enhance the start-ups, entrepreneurs, & to become a centre of excellence in innovation	M4 & to mould competent professionals with innovative ideas
4. Professional Bodies	To acquaint with the latest developments in the domain of interest even leading to employability & start-ups in said domain	M1, M2 & M4 contributing to vision
5. Career guidance & Placement	To increase the employability & higher education of the students	M1 & M2 contributing to vision
6. Research	To become a centre of excellence in research producing industry & society driven products & publications	M4 to Vision
7. Institutional Plan for academic enhancement	To enrich academics of the institute so as to become a centre of excellence in academics	M1, M2 to vision
8. IQAC	To frame quality benchmarks in all activities and its implementation leading to accreditation	M1, M2, M3 & M4 to vision
9. Alumni interaction	To involve alumni in the growth of institution & to act as mentors for the current students	M1, M2, M3, M4 to vision
10. Social Empowerment	To enrich the commitment towards society through student extension activities	M4 to Vision
11. Physical Education	To contribute to fitness of the KMEA fraternity, leading to all round development of students	All M to Vision



I. Developing a system for industry interaction through MOUs , internships, trainings and programs.

- 1. To collaborate with at least five industries in each program through MOUs**
- 2. Induction of industry oriented problems and applications as projects of the students.**
- 3. To facilitate the conduction of internships of students at premiere industries.**
- 4. Conduction of regular invited talk by experts from industry and facilitating interaction between experts, faculty and students.**

II. Faculty and Student empowerment programs

- 1. To encourage associations of all departments to conduct various programs so as to improve organizing capacity and leadership qualities of students.**
- 2. To conduct invited talk by experts from premiere academic institutes to enhance advancements in their subject domain.**
- 3. To conduct workshops and seminars for the students at regular intervals.**
- 4. To conduct techno managerial fests for students at intra college level and inter college level.**
- 5. To promote the participation of students in competitions, seminars, workshops, conferences and tech fests, outside the campus.**
- 6. To conduct induction program for the faculties at the beginning of each semester.**
- 7. To conduct regular faculty training and empowerment programs.**
- 8. To conduct FDP at regular intervals.**
- 9. To encourage faculties to attend atleast two FDPs in an academic year.**

III. Development of startups and promotion of entrepreneurship.

- 1. To develop ten startups within next five years.**
- 2. To conduct invited talks by experts from KSUM and other allied organizations to students.**
- 3. Encourage the activities of IEDC cell such as conduction of idea contests, seminars and workshops on entrepreneurships and startups.**
- 4. To provide incubation space in campus for the registered startups of our students.**

IV. Membership of Professional bodies

- 1. All departments should get membership of at least two professional bodies in their domain.**
- 2. The chapter of the professional body in the college should chart out its road map for five years in consultation with its parent body.**
- 3. The various activities charted should be implemented as per the schedule.**



4. **Regular visit and interaction of the expert or elder from the professional body should be conducted.**

V. Streamlining of Career Guidance and Placement unit.

1. **Conduction of invited talk of experts from each program to create awareness about the opportunities in each program.**
2. **To start training programs for various competitive exams like GATE, CAT, GRE, GMAT, IAS etc.**
3. **To set a target of 60% placement for the eligible students.**
4. **To conduct semester wise training program for making the student place able.**
5. **To attract core companies to campus for recruitment.**

VI. Development of Research Cell

1. **To produce ten research papers for each program of which at least two should be SCI indexed journals.**
2. **To encourage the students of the department to produce research papers at the end of their project.**
3. **To provide motivational monetary benefits to students and faculties for producing SCI indexed journal papers.**
4. **To conduct FDPs in Research Methodology and expert talk in other research areas.**
5. **To develop a research culture in the college.**
6. **To encourage existing faculties to enroll for Ph.D programs.**
7. **To set a target of at least one Ph D holder in every department after five years.**
8. **To conduct national and international conferences regularly.**
9. **To introduce new research lab for facilitating research.**

VII. Preparation of institute development plan for academic enhancement

1. **To develop the academic interventions required to move from mission to vision.**
2. **To identify the sources for mobilizing the resources.**
3. **To develop an academic monitoring committee for proper guidance and monitor its functions.**



4. To set a target of 60% pass in the semester end examination.

VIII. Activation of IQAC for acquiring NAAC & NBA accreditation

1. To develop system and processes benchmarking NAAC & NBA.
2. To set the internal mechanism & HR practices to address accreditation processes.
3. To set up quality assurance network.
4. Train staffs & students benchmarking the accreditation processes.
5. Prepare and submit proposals for accreditation.

IX. Enhancement of Alumni Association Activities

1. All departments should form Alumni associations.
2. To conduct annual alumni association meeting.
3. To encourage the contribution of alumni for department upgradation.
4. Motivating Alumni to act as a mentor for their juniors thereby providing an insight regarding career opportunities and placements.

X. Social Empowerment

1. Extension activities of NSS, Womens forum & PPC unit

XI. Physical Education Facilities

1. The objective is to become the best Engineering college in Physical Education facilities.
2. To construct excellent gymnasium for the students.
3. To conduct intercollege tournaments in various games
4. To modify existing grounds and shuttle court

Achievements Based on Strategic Plan



- I. Industry Interaction**
 - a. Outcome based MOUs with industries-44
 - b. CSR funding from industry worth 2.5 lakh
 - c. Industry paid internship to students worth one lakh
 - d. Industry supported labs-5nos
 - e. Value added programs -11nos
- II. Student & Faculty empowerment**
 - a. KTU Funded FDPs worth 3 lakhs
 - b. Two conferences
 - c. Tech fests
 - d. Cultural fests
 - e. Invited talks
 - f. Workshops
 - g. Seminars
 - h. STTPs
 - i. Faculty empowerment programs
- III. Innovation Eco system**
 - a. Student start-ups
 - b. Faculty start-ups
 - c. 64th Position in ARIIA Ranking
 - d. 5 star rating in MOE rating
 - e. 4th position for our IEDC in state level
 - f. Several winners idea pitching competitions
 - g. Best idea award in Tekon-2019 at state level
 - h. Patents published by four faculties
 - i. Patents published by students
 - j. SEED funding for two projects in Chunauti 4.0, STPI Govt. Of India worth Rs.90,000/- each
 - k. Several awards in Hackathons
 - l. Hosted IIC South India Regional Meet conducted by MOE, Govt of India.
- IV. Professional Bodies**
 - a. All departments have formed student chapters of professional bodies
 - b. Outcome based activities conducted in all departments under professional bodies
 - c. Best Emerging branch award for our IEEE student chapter
 - d. Best ISF award
- V. Career Guidance & Placement Unit**
 - a. Excellent placement records
 - b. Placements based on internships
 - c. Promoting higher studies of our students in International Universities through various activities
 - d. Conduction of Knowledge Exchange Program with Murdoch University Australia.
 - e. Excellent placement training for our students for enchancing placement



rates.

f. Regular invited talk from industrial experts.

VI. Research Cell

- a. Two academic collaborations with international universities
- b. Two award winning projects at state level project competition Tekon-2019
- c. Seventeen PhD holders.
- d. Three Research Supervisors
- e. 29 faculties pursuing Phd (Research Scholars)
- f. Excellent number of faculty & student publications.
- g. Funded research in collaboration with Mara university Malaysia
- h. Research labs in all departments
- i. Implemented E yantra lab in association with IIT Mumbai.
- j. Implemented Kare lab for inter disciplinary research
- k. Monetary benefits to staff & students who published papers in sci indexed journals

VII. Academic Development

- a. Implemented OBE in academics
- b. Academic monitoring system to improve academics
- c. Innovative teaching methods adopted
- d. Content beyond syllabus activities
- e. Add on programs conducted

VIII. IQAC

- a. Implementing quality enrichment activities in all segments
- b. Awarded NAAC accreditation with B⁺.
- c. Participated in NIRF Ranking
- d. Spearheading the activities of college in student progression through KIC, & KCGPU, Extension activities through KSEC, research activities through KRCC
- e. NBA Accreditation visit during September 2023.

IX. Alumni Interaction

- a. Alumni chapter in India & in Middle east
- b. Yearly Alumni interactions
- c. Alumni funded projects
- d. Alumni participation in flood relief & covid relief activities.
- e. Alumni financial support for medical emergency of students & staff.

X. Social Empowerment.

- a. Best NSS Unit award
- b. Best NSS Program officer award
- c. Best NSS Volunteer award
- d. Punarjani award for NSS Unit
- e. Blood donation, cleaning activities & activities for caring differently abled children & elderly people.
- f. Home care & Stem cell camp
- g. Wheel chair distribution



- h. Covid & Flood related activities**
- XI. Physical education**
- a. Two girl students were selected as University kabaddi players, 2022.**
 - b. The world record of “maximum push-ups on 3 steel glasses in 30 seconds” was achieved by Mohammed Sahad M.S**
 - c. Vysakh Menon received Bronze medal, 9th State Kick Boxing Championship**
 - d. Akshay K K State champion Mr. Kerala 2019**
 - e. Azhar Abdul Majeed, Silver medal District Wushu Championship**
 - f. Sabreen Rafeek won District Karate Dojo’s Association Championship**



**KMEA ENGINEERING COLLEGE
STRATEGIC PLAN AND MONITORING
2019-24: PERFORMANCE ANALYSIS**

Activity	Details	2019-20	2020-21	2021-22	2022-23	2023-24
1. Industry Interaction	Number of MoUs	11	11	19	21	27
	Internships given through MoU	18	5	6	12	10
	Placement through MoU	22	9	7	15	5
2a. Student Empowerment	Invited Talks/Seminars	14	16	11	17	11
	Workshop	12	7	7	21	16
	Industrial Visit	7	1	6	3	3
	Techfest conducted	3	2	2	4	3
	Best project awards in various external events	3	7	4	10	1
2b. Faculty Empowerment	Number of Faculty attended FDP	47	76	57	82	52
	Number of FDP organised by department	0	0	1	3	0
	Number of Faculty attended conferences	12	9	4	5	27
	Number of conferences organised by department	0	0	0	0	5
	Invited Talks organised for Faculty	4	13	3	9	4
	Number of Faculty as resource person	4	4	3	4	3
3. Innovation eco system	Number of meetings	4	4	4	4	4
	Number of activities conducted	5	19	28	42	61
4. Professional Bodies	Number of professional bodies	9	9	10	12	12
5. Career Guidance and Placement Unit	Number of students placed	131	126	95	86	32
	Number of students gone for higher studies	21	27	14	9	0
6. Research	Number of papers published in Journal (Staff/Student)	71	22	37	34	12
	Number of papers published in conferences (Staff/Student)	8	4	4	6	8
	Research Initiatives (talks/workshops)	5	14	5	9	6
	Number of PhD holders	4	10	13	16	16
	Number of research supervisors	0	0	1	3	4
	Number of PHD scholars	5	7	23	22	20
7. Institutional plan for academic enhancement	Plan in place					
8. IQAC	Milestones	Techon award for ME project Extricator in all Kerala Project competition by KTU, 5 star	NAAC accredited, 4 star rating	3.5 star rating and ARIIA promising band	KTU-Recognised Place of Research	NBA accredited
9. Alumni Interaction	Number of meetings	3	1	5	6	2
	Financial contribution (Rs.)	20,000	87703	1159048	377283	82000
10. Social empowerment	Number of programs conducted	25	40	35	42	25
	Awards/Recognitions			3	0	0
11. Physical Education	District level student participation					10
	State level student participation					2
	National student participation				2	8
	University student participation				67	80
	Number of events conducted in each year				8	8
	Awards received in each year				2	5
12. External funding	Number of external funding received	1	1	8	7	1
	Total amount received (Rs.)	600	50000	749600	813023	93000
13. Academic collaboration	Number of collaborations	0	0	1	2	1

