SELF STUDY REPORT

FOR

1ˢᵗ CYCLE OF ACCREDITATION

THE KAVERY ENGINEERING COLLEGE

M. KALIPATTI, MECHERI, METTUR TALUK, SALEM DT.
636453

www.kavery.org.in/engg/index.aspx

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

(Draft)

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

The Kavery Engineering College is one of the tributaries of the Kavery institutions. True to its name, it is a perennial source of scientific and technical knowledge like the river Cauvery. The Kavery Engineering College was established in the year 2006 with the approval of the All India Council for Technical Education, New Delhi and Affiliated to Anna University, by a trust of philanthropists with a view of disseminating technical and scientific knowledge to the students of rural areas. Hence it has sprung up in a hamlet named Mecheri in Salem district. This Institution at present offers Ten UG courses in Engineering & Technology with a sanctioned intake of 720. Six PG courses in Engineering, MBA & MCA with a sanctioned intake of 228, put together with an overall intake of 948. The college has been very active in participating at all levels of technological togetherness

The Kavery Engineering college, in its 16 years of existence has attained a reputation as being one of the best institutions in the State of Tamil Nadu in providing education to the rural youth. Located on the MetturBangalore highway, the institution spreads over a sprawling ~~30~~ acre campus with a beautiful landscape, lush green lawns, aesthetic architecture and services essential to enable, sustain, or enhance societal living conditions and maintain the environment, the College embodies perfect and ideal setting for higher learning. The infrastructure in our institution replicates the economic, health, social, environmental, and cultural standards of our country. We are concerned about the needs of the nation as well as of the world to be met with the help of technology that is tuned to revamp at the root level education not only the monetary status but also the social as well as the spiritual necessity.

Vision

To emerge into a frontline Institution of professional learning by inculcating quality standards in Technical Education, high pattern of discipline and leadership qualities to meet the global standards.

Mission

We dedicate and commit ourselves to achieve, sustain and foster unmatched excellence in Technical Education through global standards to flourish the domain of Engineering and nurture talents needed for the students to develop themselves with ethical values to the Challenging Technology for the betterment of the nation.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. Committed management and well qualified and dedicated staff members.
2. Well designed teaching, learning and evaluation process is in place.
3. The College provides infrastructural facilities, with calm environment, well lighted and airy class rooms, fully equipped labs with required equipments.

4. Wi-Fi Enabled campus. Library stocked with wide range of reference books, text books, journals, magazines, online resources, and digital library.
5. Being run by the philanthropists the Institute view is to disseminate technical and scientific knowledge to the students of rural areas.
6. The College encourages the faculty members to organize and participate in seminars, workshops, conferences and faculty development programmes to strengthen existing knowledge base.
7. A wide range of extracurricular activities aimed at the all personality development of students.
8. Performance feedback is collected from all stakeholders to improve the teaching learning process.
9. A separate placement and training cell to groom the students to be industry ready through training on communication, soft skills and special technical training.
10. MoUs with leading industries / institutes have been signed for the benefit of the students and faculty to upgrade the knowledge and inculcate the research culture.
11. Bridge courses are taught to bridge the ability to understand Engineering courses.
12. The students are motivated to participate in in-plant training, internships, industrial projects, paper presentation, workshops and seminars.
13. Social awareness and social responsibility are instilled in the minds of the students through a number of awareness extension activities. Environmental friendly and harmonious working environment.

Institutional Weakness

1. Affiliated to Anna university, Chennai and hence limitation in enhancing the curriculum.
2. Majority of the students are from rural areas, so improving overall personality development of the students is a challenge.
3. Funded projects and consultancy activities need more concentrations
4. Research publications need to be improved

Institutional Opportunity

1. Leverage on strong alumni interaction to enhance the placements and development of our student's collaborative action.
2. Introduce Innovative add-on programs to meet the skill requirement of the students.
3. Exploring more opportunities towards research and industry interaction.
4. Possibility of increasing industry projects for the students and staff participation in training programs in industry.

Institutional Challenge

1. Educating the rural students with poor communication skills.
2. To produce 100% success rate.
3. Attracting more funded projects.
4. Difficult to adjust and adapt quickly since the academic curriculum is prescribed by the affiliating University only on specified time frame.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The Kavery Engineering College is affiliated to Anna University, Chennai with the guidelines of AICTE and the curriculum is strictly adhered to the curriculum prescribed by Anna University for the ten UG courses of Engineering, six PG courses on Engineering and MBA & MCA courses. Academic calendar has been prepared after the academic schedule was released by Anna University and before the start of the academic year which includes curricular, co- curricular and extracurricular activities.

Time tables are prepared by Time-Table coordinator of each department who is the member of the Time-table committee which prepares allocated slots for common sharing subjects. In finalization with the Subject allocation has been done by the department according to the experience, willingness and specialization degree of the teaching staff.

Considering the technological advancements, the curriculum for the undergraduate programs of engineering is shaped in the form of Humanities, Basic and Engineering Sciences, Mathematics, Professional Core, Professional and Open electives and Skill development courses. The curriculum also includes Mini projects, laboratory and project work, technical Seminar, and training in latest software's and technologies which is offered under Skill development programme "Naan Mudhalvan" which is an initiative of the Government of Tamilnadu.

The core subjects in the curriculum provide technical knowledge in the chosen program. Students learn important concepts in professional core subjects and advanced concepts in professional elective subjects. Apart from traditional class lecture use of multimedia projector, video lectures, mini projects examples were used in the delivery of the academic courses.

The students are also encouraged to participate in technical symposiums, in our college and at the nearby institutions. They also take up implant trainings, internships during their semester vacation and involve in NSS events to develop the personality and character of the youth through social service and are allowed to join in extra-curricular clubs which aim at enhancing their inherent creative talents through competitions.

The course delivery by the faculty members are periodically monitored by getting feedback from the students. The quality of the institution is monitored by the feedback collected from stake holders for the institutional development.

Teaching-learning and Evaluation

The admission to UG programmes in our college is by Single Window Admission System through Directorate of Technical Education and for PG courses through Tamil Nadu Common Entrance Test by Anna University and Consortium. Several initiatives have been taken to address the rural and needy students such as bridge courses, before the start of the degree programme. At the beginning of each semester, the institutional level and Departmental level academic calendar are prepared according to Anna University.

Experiential ,Participative and Problem solving learning is the main focus in teaching learning process. The institution promotes ICT friendly teaching through the ILMS, Google Class room and Power point presentations. Central Library is well-stocked with latest textbooks and reference material. Online access to journals and e-resources are provided to all. Institute has implemented mentoring system for taking care of the students' academic and stress related issues. Advanced learners and slow learners are identified, and diverse

programmes for slow and advanced learners are envisaged by the institution. Remedial classes, bridge courses, and counselling are given to slow learners.

Class Committee meetings are conducted thrice during the semester. The chairperson of the committee communicates the rules and regulations of the department, examination procedure, discuss the syllabus completion and collect feedback on academic and administrative difficulties faced by the students.

Mechanism of internal assessment is transparent and robust. Mechanism to deal with examination-related grievances is transparent, time-bound and efficient. Teachers and students are made well aware of program outcomes and course outcomes. The institution is practising outcome based education by defining appropriate POs, PSOs and COs for all programmes and is communicated to faculty and students. The student performance is measured through the attainment level of learning outcomes in every programme and appropriate improvement measures are incorporated in content delivery, assessment and evaluation for the accomplishment of better skills and competencies

Research, Innovations and Extension

The Institute is actively engaged in the research and development activities in the campus by providing facilities in terms of high-speed internet connectivity, laboratory, and subscription to research journals and motivating faculties for their research related activities, such as publishing research papers, attending workshops/conferences. Many faculty members are registered and pursuing PhD. Faculty members are actively encouraged to publish papers in refereed national and International journals and conferences. Students are also encouraged to take participation in Inter- college competitions, seminars and workshops. Institute actively encourage research by hosting technical and IPR related workshops, seminars, training programs through IQAC, IPR cell, and EDC cell. Institute has recently established the Institution's Innovation Council under the umbrella of MHRD to promote the innovative and quality culture among the faculty and students. MOU's are signed with reputed Companies for student's benefit such as providing seminars and workshop on latest relevant topics internship/training and placement.

Faculty members and students are actively involved in Institutional Social Responsibility activities through structured forums like NSS, YRC, ROTARACT, Red Cross programs/ activity conducted by Government Organizations. Many recognition and awards are received for various extension activities from University, State level agencies and NGOs. Numerous of the activities have been organized in near past, such as tree plantations, adoption of the village, awareness to nearby school students and villagers surrounding our campus having a residential camp for building a rapport.

Infrastructure and Learning Resources

The college is spread over 7.74 acres of land with an instructional area of 27361 sq.m. and a total built-up area of 11851.65 sq.m., satisfying the requirements of AICTE. The institution has well established laboratories, skill development centers, classrooms with ICT facilities, computing facilities and seminar halls for effective teaching learning. The college has a playground with facilities for outdoor games such as Cricket, Volleyball, Badminton, Basketball. The Main Library is fully automated and is upgraded as a digital library to facilitate students and faculty. It has a collection of books with 14,834 titles and 31,663 volumes. The library has subscription for 108 national journals, more than 7,500 e-magazines are subscribed, and above 2500 e-journals in ELSEVIER, DELNET, K-HUB, World Library, NDL publications and e-books.

The Institute continuously upgrades IT facilities with enough number of computers connected with fiber optic network and Wi-Fi to enable all the stakeholders to have better access to all the learning resources & ICT services in the campus. The Institute provides 24×7 internet facility with recently upgraded to 500 Mbps leased line bandwidth. The Institution takes care of all physical, academic, IT and other facilities with effective maintenance support allocating appropriate budget for optimum utilization of the resources. A Separate hostel is available for boys and girls. Gymnasium for boys and girls are also available in the campus. A 2.5 Lakh liters capacity waste water management system is available for the purpose of recycling the waste water. A dispensary with ambulance facility is available inside the campus. CCTVs installed at strategic places help to monitor the campus activities. The Institution has power management department to ensure uninterrupted power supply and maintenance of electrical assets. The Institution has power house installed with Diesel Generators of 180 KVA and solar power with an installed capacity of 75 kW. The maintenance of equipment like Diesel Generator Sets, Power Distribution Systems, Elevators, Air-conditioners, Fire-Fighting Equipment, Drinking water, Water coolers and Solar Panels etc. is well undertaken. The Institution provides Cafeteria, Stationary Shop and Transport facilities which include 51 buses for all students and staff.

Student Support and Progression

The Kavery Engineering College provides number of Student support activities for academic excellence and overall development of the students. The Institution undertakes the responsibility to benefit the students from the Government sponsored scholarship schemes. More than 90% have been sanctioned through Government scholarship schemes for the last five years to support the education of poor and needy students. The management constituted meritorious scholarships to the students based on the cut off marks every year. The Institution provides Capacity building and Skills enhancement initiatives such as Soft skills, Language and communication skills, Life skills, ICT Skills, Computing skills to the students to enrich their knowledge. The college has well established placement cells to provide best placement for the students. More than 90% of final year students have been placed in various companies during the last five years. The institution has a transparent mechanism for redressal of student grievances and conducts meetings for the prevention of sexual harassment and anti ragging cases.

The students are encouraged for participation in co-curricular and extracurricular activities to improve their physical and mental abilities. Our Students have won medals in the last five years in sports and cultural activities conducted at District/State/University levels. The Institution has membership of Professional Societies, namely, Indian Society for Technical Education (ISTE), Institution of Engineers, Computer Society of India (CSI) which empower the students to develop their technical skills. The Institution has various administrative bodies such as Entrepreneur Development Cell, Students Welfare and Grievance Redressal Committee, NSS Committee, Youth Red Cross Committee, Rotary Club, , etc. Students eagerly participate in all the activities which give them an opportunity to have a sense of social responsibility. The Institute has a registered Alumni Association and Alumni Meet is conducted once in a year to utilize the rich experiences of old students of the college for the benefit and progress of the present students.

Governance, Leadership and Management

The Kavery Engineering College aims to provide holistic education to prove our motto "Creativity Success Excellence" and mould our students' to become the responsible citizens of our nation. Our institution is focusing outcome Graduate Engineers who are sensitive to the needs of the society and have moral strength and uprightness. Facing the challenges in life and having deep desire to excel in their life are the main goals of our

institution to equip our students. Vision and Mission of our College are pursued by efficient governance and guidance through inspired leadership of our Management. Principal, Faculty members, Office staff and IQAC are work in harmony to ensure the smooth functioning of the college. Representations from Alumni, Parents, Eminent citizens and Industrialists are considered and implemented to improve the quality of education and academic activities of our college. In the last five academic years, Achievements of the Institution by both faculties and students after the Implementation of the Strategic Plans are Publications, conferences/workshops/Guest lecture attended by Faculties and Students and Conferences / Workshops/Guest lecture Organized in our Institution.

Various Committees involving staff members are constituted by the Principal to develop the discipline and culture of Excellence among the students' community. Staff Development, Professional Development, Induction and Orientation Programmes, Performance Appraisal and Feedback, Refresher Courses are our Faculty Empowerment Strategies. Faculties are provided with financial support to attend Conferences, Workshops and towards membership fee of professional bodies year-wise. Principal and Governing Council member play vital role in the governance of the college. Academic council and IQAC closely monitors academic affairs of the college and helps in effective planning and implementation of institutional policies. IQAC is involved in planning, auditing performance, strategic issues and in maintaining quality parameters.

Our Institution collaborates with leading Industries and Academic institutions for skill enhancement, knowledge sharing, Training and Internship for staff and students to the latest technology. Our Institution recognised with ISO quality standards towards education. We had participated and registered with NIRF India rankings and compete and par with leading institutions.

Institutional Values and Best Practices

The Kavery Engineering College is responsive to the emerging challenges and issues such as gender equity, environmental sustainability and professional ethics etc. A gender friendly environment of our campus builds very good relations between boys and girls and respect for each other. The academic ambience of the college addresses gender equity promotion programs every year and ensures gender sensitivity in providing facilities such as safety and security on the campus, student's counselling and Redressal actions. Students are given awareness about the basic constitutional rights and their rights to use the college campus for acquiring academic knowledge. The students are encouraged to celebrate the greatness of our nation and its cultural diversity, national festivals as on.

The college is also conscious of imbibing Social Responsibilities like climate change and environmental issues through our Institutional core values. Our green practices include alternate and renewable energy sources like Solar Water Heater, biogas plant, solar lamps and use of LED light sources in addition to waste management measures such as minimal usage of plastic, solid/liquid waste management, e-waste management, Rain Water Harvesting etc. The institution also facilitates the differently abled, by providing special infrastructure such as ramp for wheel chairs, Lift, designated rest rooms etc. Our campus is highly benefited by locational advantage of being nearest to industries by getting resources for industrial visits and other academic events. It also offers benefit to local community by conducting social services through NSS, Rotaract and YRC units. Our college offers true spirit of education with no discrimination against caste, creed and religion by consistently celebrating all religious festivals with equal importance.

The Institutional automation system has been designated with the objective of storing and providing all the necessary information based on the requirements of the management, Principal, HoDs, class Advisors, Tutors,

Students and Parents. Thus all the academic and administrative process has become fast and accurate due to Institutional Automation system. The result oriented skill development practices and need based placement support measures that are developed internally resulted in increase in the placements in terms of quality and numbers.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	THE KAVERY ENGINEERING COLLEGE
Address	M. KALIPATTI, MECHERI, METTUR TALUK, SALEM DT.
City	SALEM
State	Tamil Nadu
Pin	636453
Website	www.kavery.org.in/engg/index.aspx

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	V. Duraisamy	04298-278961	9524972156	04298-279158	iqac2625@gmail.com
IQAC / CIQA coordinator	S. Benjamin Lazarus	04298-278962	9524997156	04298-279158	sblslr24@gmail.com

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details

State	University name	Document
Tamil Nadu	Anna University	[View Document](#)

Details of UGC recognition		
Under Section	**Date**	**View Document**
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	**Recognition/Approval details Institution/Department programme**	**Day,Month and year(dd-mm-yyyy)**	**Validity in months**	**Remarks**
AICTE	[View Document](#)	03-07-2022	12	

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**
Main campus area	M. KALIPATTI, MECHERI, METTUR TALUK, SALEM DT.	Rural	7.74	27361

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	**Name of Programme/Course**	**Duration in Months**	**Entry Qualification**	**Medium of Instruction**	**Sanctioned Strength**	**No.of Students Admitted**
UG	BE,Civil Engineering	48	HSC	English	30	16
UG	BE,Computer Science And Engineering	48	HSC	English	180	180
UG	BE,Electrical And Electronics Engineering	48	HSC	English	60	59
UG	BE,Electronics And Communication Engineering	48	HSC	English	60	59
UG	BE,Mechanical Engineering	48	HSC	English	60	47
UG	BE,Biomedical Engineering	48	HSC	English	60	60
UG	BTech,Agricultural Engineering	48	HSC	English	60	60
UG	BTech,Chemical Engineering	48	HSC	English	30	26
UG	BTech,Information Technology	48	HSC	English	120	120
UG	BTech,Artificial Intelligence And Data Science	48	HSC	English	60	59
PG	ME,Civil Engineering	24	UG	English	18	13

PG	ME,Civil Engineering	24	UG	English	18	8
PG	ME,Computer Science And Engineering	24	UG	English	18	5
PG	ME,Electrical And Electronics Engineering	24	UG	English	18	10
PG	ME,Electronics And Communication Engineering	24	UG	English	18	3
PG	ME,Mechanical Engineering	24	UG	English	18	8
PG	MBA,Mba	24	UG	English	60	60
PG	MCA,Mca	24	UG	English	60	23

Position Details of Faculty & Staff in the College

Teaching Faculty											
	Professor				**Associate Professor**				**Assistant Professor**			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0				0				0
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit				0				0				0
Sanctioned by the Management/Society or Other Authorized Bodies				3				0				173
Recruited	3	0	0	3	0	0	0	0	96	77	0	173
Yet to Recruit				0				0				0

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				65
Recruited	33	32	0	65
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				25
Recruited	13	12	0	25
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers									
Highest Qualification	Professor			Associate Professor			Assistant Professor		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	3	0	0	0	0	0	5	2	0	10
M.Phil.	0	0	0	0	0	0	11	19	0	30
PG	0	0	0	0	0	0	80	56	0	136
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers									
Highest Qualification	Professor			Associate Professor			Assistant Professor		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers									
Highest Qualificatio n	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	**Male**	**Female**	**Others**	**Total**
	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		**From the State Where College is Located**	**From Other States of India**	**NRI Students**	**Foreign Students**	**Total**
UG	Male	495	4	0	0	499
	Female	207	3	0	0	210
	Others	0	0	0	0	0
PG	Male	67	1	0	0	68
	Female	60	2	0	0	62
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Category		**Year 1**	**Year 2**	**Year 3**	**Year 4**
SC	Male	219	188	94	68
	Female	125	113	68	48
	Others	0	0	0	0
ST	Male	10	22	6	1
	Female	7	13	2	2
	Others	0	0	0	0
OBC	Male	328	225	158	88
	Female	131	79	56	27
	Others	0	0	0	0
General	Male	6	4	6	1
	Female	6	3	0	1
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		832	647	390	236

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	Education with Multidisciplinary components is an academic and pedagogical approach to develop multiple capacities in the intellectual, aesthetic, social, physical, emotional, and moral domains, among the students inside and outside the classroom, by integrating formal and informal learning opportunities and teaching, research and community engagements and promoting cross-disciplinary and interdisciplinary perspectives and academic practice. NEP 2020 suggests that the colleges will be "gradually phasing out the system of 'affiliated colleges' over a period of fifteen years" i.e. by 2035. The phasing out of the system of "affiliated colleges" shall be supported by the mentoring of the affiliated

	colleges by the respective affiliating university. We have mooted this to implement in our institution and various steps have been taken including attending seminars and conferences related to NEP 2020, identifying bench marks from various institutions for multidisciplinary courses and closely following the norms and regulations of the affiliating university.
2. Academic bank of credits (ABC):	As per the UGC Notification on University Grants Commission Notification (28th July, 2021) "Academic Bank Account" means an individual account with the Academic Bank of Credits opened and operated by a student, to which all academic credits earned by the Student from course(s) of study are deposited, recognized, maintained, accumulated, transferred, validated or redeemed for the purposes of the award of degree/diploma/certificates etc. by an awarding institution. Academic Bank of Credits shall be established, on the lines of the National Academic Depository shall have a dynamic website providing all details of Academic Bank of Credits and its operational mechanism for the use of all stakeholder of higher education. Academic Bank of Credits is essentially a credit-based, and highly flexible, student centric facility. Our institution has been in the process of getting approval to apply for registration with Academic Bank of Credits from statutory authorities such as Governing Council, Academic Council and university authorities. Courses undergone by the students through the online modes through National Schemes like SWAYAM, NPTEL,V-Lab etc. or of any specified university, shall also be considered for credit transfer and credit accumulation.
3. Skill development:	Integrating vocational education with general education is the most promising way to provide for holistic development of the students, equipping them with knowledge, skills and competencies which would prepare them for life and work. We have identified to collaborate with industries for internship to expose the students to the work environment and get the experience of hands-on practice. We are in the process of developing some bridge courses of varying duration depending on the pre-requirements of the course a student intends to move to horizontally.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using	NEP 2020 envisages a greater Promotion of Indian Languages, Arts and Culture. The NEP document

online course):	elaborates on the cultural and knowledge heritage of India, the importance of Indian Philosophy in the renewed perception and influence on the world events, the importance of the Multilanguage multicultural background of the country and the necessity for revitalizing these realms for the betterment of the country and the world. This strategy calls for a paradigm shift in our immediate past educational system (which, in general opinion, has devalued the Indian traditional knowledge). To bring back the glory of the ancestoral values and knowledge and a line with AICTE, guidelines the institution has introduced a mandatory course on'Indian Constitution and Traditional Knowledge' for all the UG students. To augment the lectures in the class room, standard text books on Indian Constitution and Cultural heritage of India have been given to the students. Through the efforts of Fine Arts Club, competitions are being regularly conducted in the regional language viz Tamil on the contemporary topics on environment, energy conservation, etc., as well as topics on the cultural and ethnic values of India. The Parent University has also introduced two UG courses (B.E.- Civil Engineering and Mechanical) Engineering in Tamil Medium.
5. Focus on Outcome based education (OBE):	Realizing the importance of Accreditation vis-à-vis Washington Accord, the college introduced the OBE concepts in its curriculum, Syllabi and evaluation. Five out of eight UG programmes (namely B.E- Bio-Medical Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and B.Tech. Information Technology) got accredited by NBA. In this process, the OBE has been implemented in all stages of Teaching-Learning Process. In line with the Graduate Attributes, PEOs and Pos referred in the NBA documents; markers have been developed and disseminated to the stakeholders. The PEOs have been established considering the factors such as Preparation, Core Competence, Breadth Professionalism and Life LongLearning. These are aligned with institute Vision and Mission and Departments' Vision and Mission. POs and PSOs have been mapped with PEOs. Course outcomes have been defined for all the courses and the correlation strength with various POs

	has also been specified. In the evaluation process (Continuous Assessment and Semester Examination), the performance of the students in each course are linked to the POs and there after the PEOs and attainment is evaluated. The loop is closed on 360° feedback mechanism to continuously monitor and achieve the Outcome Based Education. Various committees in the College and Department level, keep assessing the attainment every semester. Documentary evidences are maintained so as to have a peer level evaluation.
6. Distance education/online education:	There is a perceptible change in the modes of the Teaching-Learning all over the world and there is a significant shift from all class room teaching andLearning to partly classroom partly online Teaching-Learning. This is exhibited in the worldwide popularity of Online education like MOOCs, etc. India is also keeping abreast in this new paradigm. We encourage our students and faculty to register and write examinations under SWAYAM-NPTEL for several years. Under our autonomous system, necessary approvals have been obtained to include the Credit Transfer Scheme to our students. Thus, the credits earned from SWAYAM-NPTEL are considered as replacements of elective courses. The list of such courses, are approved by the chair person before the beginning of the semester so that students register for those courses which are relevant for that particular curriculum and not repetitive/duplicative in nature. The online courses have also enabled the students to complete the credit requirements by the 7th semester and in 8th semesters. Students can take up full time internship in suitable industries. This doubly benefits the students to acquire skills required by the industry and also a favorable career opportunity.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	TKEC-ELCs, has been setup in the college. Activities and Games are designed to stimulate and motivate students provoking them to think and ask questions. The club collaborates along with the Government, the District Collector who is also the District Election Officer (DEO) periodically participate and assign

	events to the club to create awareness on the importance of voting. Through ELC, Election Commission of India aims to strengthen the culture of electoral participation among young and future voters. NSIT-ELCs, members will be part of interesting and thought-provoking, mostly classroom-based activities and games. There are such activities and games which have been carefully designed to impart specific learning which will help them become an 'Empowered (Prospective) Voter'
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	Our student co-ordinator Mr. S. Gokul Aadhitya Our staff coordinator Mr. E. Satheeis Kumar, Assistant Professor / Mechanical has actively involved the students in various innovative activities to encourage the students to use their voting rights and spread awareness about the importance of voting among the general public. On requirement basis the club conducts seminars to help students know about their rights and encourage them to exercise those rights by participating in the elections. The club also encourages students to take part in competitions conducted by SVEEP (Systematic Voters' Education and Electoral Participation Program) as this will help develop their skills and confidence. Our students and staff have participated in the competitions.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	Every year the club conducts seminars to help students know about their rights and encourage them to exercise those rights by participating in the elections. The club also encourages students to take part in competitions conducted by SVEEP (Systematic Voters' Education and Electoral Participation Program) as this will help develop their skills and confidence. Our students and staff have participated in the competitions. Our staff coordinator Mr. E. Satheeis Kumar Assistant Professor / Mechanical has actively involved the students in various innovative activities to encourage the students to use their voting rights and spread awareness about the importance of voting among the general public.
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	Every year students are encouraged do the mini and major projects in Electronics vote Machine(EVM). ELC is creating awareness among the public through posters and Participating competition as per the direction of District collector office. A rally is organized by our district collector is every time

	before the elections on prime location of the district where our students regularly participate actively and propagating democratic values.
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	The club collaborates along with the District Collector office who is also the District Election Officer (DEO) periodically participate and assign events to the club to create awareness on the importance of voting through various programs like rally, surveys and conducting Competitions.

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1402	1075	1271	1726	2048

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 338

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

2.2

Number of teaching staff / full time teachers year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
171	183	192	192	246

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
179.52	273.46	337.17	481.35	465.39

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

Response:

The Kavery Engineering College is affiliated to Anna University(AU), Chennai, Tamilnadu, and follows the curriculum and syllabus framed for affiliated colleges. The University formulates and revises the curriculum once in four years. Also, the implementation will be well documented to have effective monitoring of the curriculum delivery at various levels.

Academic calendar

At the beginning of the academic year an academic schedule is published by the University for UG and PG programmes. The Institution confirms effective time management and strictly follows timeliness given by the University (AU). The Institute carries out effective planning to adhere to the academic calendar; this permits the faculty members and the students to space out their teaching, learning and regular assessment. Based on this academic calendar for the Institute is prepared which highlights commencement of the classes, last working day, duration of semester, schedule of Internal Assessment Tests / Model Examination, End Semester Examinations, Annual Day, Sports Day and Holidays. Based on the academic calendar the Department plans the Seminars, Conferences, Workshops, Guest lectures and Industrial Visits. If there is any deviation in the schedule due to unavoidable reasons, then the event may be conducted with the approval of HoD and Principal at a later date.

Curriculum Planning:

The AU curriculum is a blend of Humanities, Basic Science, Basic engineering, Core Courses, Elective courses, Projects and Seminars.

Course Allocation: Before the commencement of every semester, the course competency matrix is formulated. The course allocation is done based on the choice/expertise of the faculty members by the HoD. Elective subjects are finalized with the willingness of the students.

Course File : Course file is prepared by the faculty members with a detailed lesson plan, handouts, assignments, question bank, answer keys, previous university question papers and quiz questions. To assess the knowledge of students, question papers for the Internal Assessment tests are prepared with desired Bloom's Taxonomy levels

Curriculum Delivery Plan

Before the beginning of the semester the faculties are asked to submit course plan, course material,

attendance and assessment record. Teachers are encouraged to deliver the curriculum syllabus using innovative methods like PPT presentations, multimedia presentations, assignments etc. Lesson plans and course files. Lab manuals and lab lesson plans are available in all the labs of all the departments. The curriculum delivery includes traditional teaching, collaborative learning, and competition based learning.

Traditional teaching methods: It includes preparation of detailed lesson plans, a question bank, lab manuals, lecture notes, tutorials and assignments, and content beyond the syllabus based on the feedback from industry, alumni, and previous year's academic performance of the students.

Collaborative Learning: Our Institution arranges industrial visits and Guest Lectures every semester per class to bridge the gap between industry expectations and Institution. Internship and industrial projects are arranged for the students to avail practical exposure. Value-added courses are arranged for the students to enrich their knowledge.

Competition Based Learning: Students are motivated to participate in national competitions conducted in and around the campus

All the above process are well documented and reviewed.
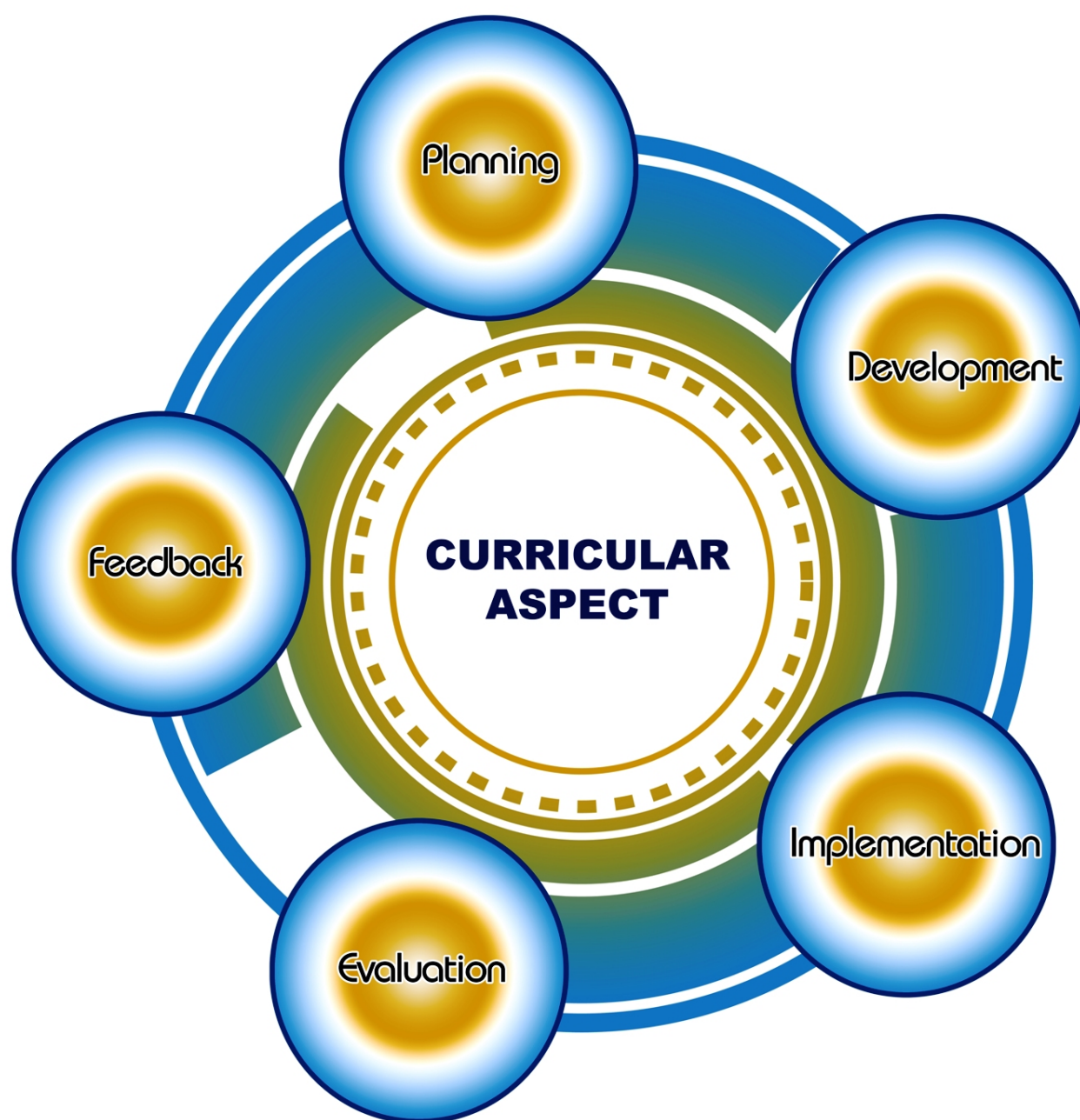
File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

1.2 Academic Flexibility

1.2.1 Number of Add on /Certificate/Value added programs offered during the last five years

Response: 125

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

1.2.2 Percentage of students enrolled in Certificate/ Add-on/Value added programs as against the total number of students during the last five years

Response: 77.76

1.2.2.1 **Number of students enrolled in subject related Certificate/ Add-on/Value added programs year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
1200	906	969	1265	1509

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Response:

TKEC believes that integrating cross cutting issues with the curriculum would create positive effect on the student in terms of their education and social commitment. The curriculum is framed by the university and it does include many of these aspects in the curriculum. The cross cutting issues relevant to Gender equality, Environment and sustainability, Human Rights and Professional Ethics etc., make plenty of space when it comes to apply them positively into the curriculum.

Gender Equality *(Women Empowerment Cell)*

Women Empowerment Cell is formed for Gender Equality which resolves the problem of the student's by counseling them. Numerous motivational programmes have been invoked by our institution such as International Women's Day, Mother's Day, International Yoga Day, Meditation etc in order to bring awareness among the girl students and society about the true rights and value of the women in the development of the nation.

Environment and Sustainability

In order to integrate the cross cutting issues relevant to environment and sustainability, University has included different types of courses in the curriculum to bring awareness among students. All programs have a compulsory course of Environmental Science and Engineering in first and second year curriculum. In this subject, students study basic components of environment and its application to tackle issues such as pollution control, green gases etc.

The institution has taken the efforts to give awareness on environmental issues and its sustainability to society through extension activities by NSS, YRC and Rotaract club. Students indulged in Rotaract club were motivated to engage in Tree Plantation. The Institution has also adopted rain water harvesting system to increase the recharge of ground water by collecting the rain water from the catchment areas and storing in reservoir.

Human Rights

In order to integrate human rights into curriculum Anna University offers Human Rights course as an elective and the same is taught for our students. Further our institute follows a transparent system of administration. Committees like Anti-Ragging deals issues regarding any ragging related misconduct. The committee conducts meeting with students and informs their rights and benefits in the society.

Professional Ethics

As Engineering is a highly esteemed profession, honesty, integrity, impartiality, and equity are must have qualities. Engineers are trained to perform under a code of Professional Ethics that would have the highest principles of ethical standard. Institute has equal importance for professional ethics along with academics because knowingly and willingly none should involve in wrong behaviors. Professional ethics encompasses personal and corporate standards of behavior expected by professionals. The students of different branches in Engineering and Management study Professional Ethics that address to learn moral values. The institute organizes various personality development programs through placement cell to increase the employability of students. Industrial Visits and Internship programs are included in curriculum and experts from corporate are invited to share their views to understand corporate standards and culture.
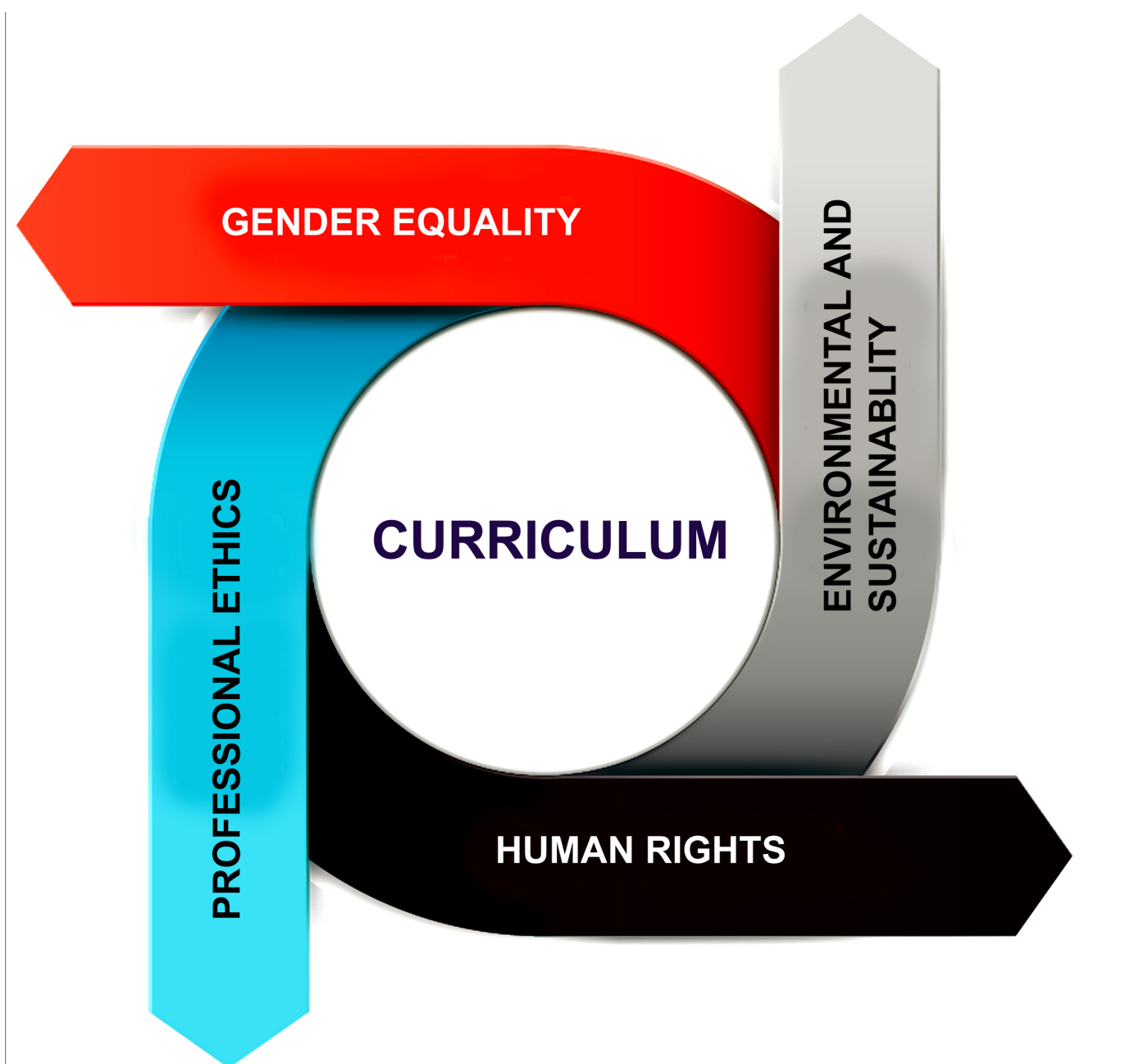
File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

1.3.2 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 78.46

1.3.2.1 **Number of students undertaking project work/field work / internships**

Response: 1100

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

1.4 Feedback System

1.4.1 Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website (Yes or No)

Response: Yes

File Description	Document
Upload supporting document	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Enrolment percentage

Response: 39.76

2.1.1.1 **Number of students admitted year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
582	290	215	397	458

2.1.1.2 **Number of sanctioned seats year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
948	948	972	1008	1008

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

2.1.2 Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (Exclusive of supernumerary seats)

Response: 56.96

2.1.2.1 *Number of actual students admitted from the reserved categories year - wise during the last five years*

2021-22	2020-21	2019-20	2018-19	2017-18
574	285	213	396	451

2.1.2.2 **Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
657	657	669	693	693

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

2.2 Student Teacher Ratio

2.2.1 Student – Full time Teacher Ratio
(Data for the latest completed academic year)

Response: 8.2

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools

Response:

TKEC takes effort in teaching learning process towards student centric approach by adopting various suitable learning methodologies to facilitate life-long learning. Experiential, participatory and problem solving learning are adopted to ensure that students are active participants in the teaching-learning process. These learning processes develop communication skills, listening skills, problem solving skills, improves knowledge, and participation in various academic programmes which enable holistic development of the students. The methodologies practiced by all the programmes are listed below.

Experiential Learning:

- Every student is made to have an experiential learning path through each curriculum imparted in theory and practical subjects based on blooms taxonomy level.
- Every semester departments organize Industrial Visits and Internships in company to gain exposure to industrial practices.
- Students are encouraged to participate in internal / external college workshops, National & International conferences etc.
- Students are made to carry out mini Projects and main projects to have more experiential learning.
- Value added courses and workshops are organized to gain hands on experience in latest technologies.
- Guest lectures by eminent industry experts are arranged to facilitate students to acquire real time knowledge in recent technologies.
- Internal Quality Assurance Cell (IQAC) is built to ensure a quality education at the institution level through continuous reviews and periodic meetings.

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Participative learning:

- Students participate in Online Lecture Tutorials, NPTEL courses.
- Students are encouraged to participate in national level competitions, conferences, seminars and workshops in and outside the college.
- Students are motivated to participate in Smart India Hackathon, Professional Society events where students can explore their ideas and innovation towards awards and achievements.
- Seminars, Industrial visits and Guest Lectures influence them to understand the concepts and the subsequent process implementation in appropriate way.

- Innovative Project Cell (IPC) helps the students towards ideation and implementation.
- Through various club activities, the spirit of teamwork and social responsibility is instilled among students.
- Project work in collaboration with industry help students to acquire practical knowledge and enhance their knowledge through interaction with industrialists/scientists.

Problem Solving Methodologies:

- Tutorial classes form a part of the course delivery to inculcate problem solving skills among the students to supplement regular teaching learning process.
- The problem solving ability is further emphasized by incorporating questions on case studies (Part C) in the internal assessments and involving them to solve the problem posted by industry in "Problem Box" post.
- Free Internet access in the library and Wi-Fi facilities in campus promote the habit of self-learning among the students.
- In addition to general aptitude and logical reasoning classes, second and third year students are offered value added programs which improve their problem solving skills.
- Symposium and Project Contest are arranged for students to test their coding skills and work on interesting real world challenges.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

2.4 Teacher Profile and Quality

2.4.1 Percentage of full-time teachers against sanctioned posts during the last five years

Response: 100

2.4.1.1 **Number of Sanctioned posts / required positions for teaching staff/ full time teachers year wise during the last five years:**

2021-22	2020-21	2019-20	2018-19	2017-18
171	183	192	192	246

File Description	Document
Upload supporting document	View Document

2.4.2 Percentage of full time teachers with NET/SET/SLET/ Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 22.76

2.4.2.1 **Number of full time teachers with NET/SET/SLET/Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
44	41	41	44	54

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

TKEC have separate exam cell to conduct internal assessment and university exam, we follow Continuous Internal Evaluation to make assessment system more transparent. The institute is affiliated to Anna University Chennai, so it follows the regulation of the University to conduct internal assessment, University theory and practical exam.

Conduct of Internal Assessment Test / Model Examination

- Two Internal Assessment Tests (IAT) and one model exam are conducted during each semester. Internal Assessment Test schedules are communicated to students and faculty in the beginning of the semester through Institute academic calendar based on the university academic calendar.
- The Internal exam time table is also displayed on the notice board before a week from the commencement of the exam.
- IAT Syllabus & Question Pattern: The syllabus for the Continuous Internal Assessment is that Unit I & II for the IAT-I and Unit III & IV for the IAT-II. All 5 units are covered for Model examination for all the programmes to enable students to revise all the topics of the syllabus.
- Internal Assessment Examination question papers are framed based on the previous semester University question papers and the question bank. It adheres to AU standard and follows Bloom's

Taxonomy through which COs is attained.
- Unit wise question banks are provided to the students for all the subjects including two mark questions with answers.
- IAT Exam Question paper is prepared by the faculty and verified by the HOD. Answer scripts are evaluated by the subject handling faculty and returned to students on the third day from the completion of exam.
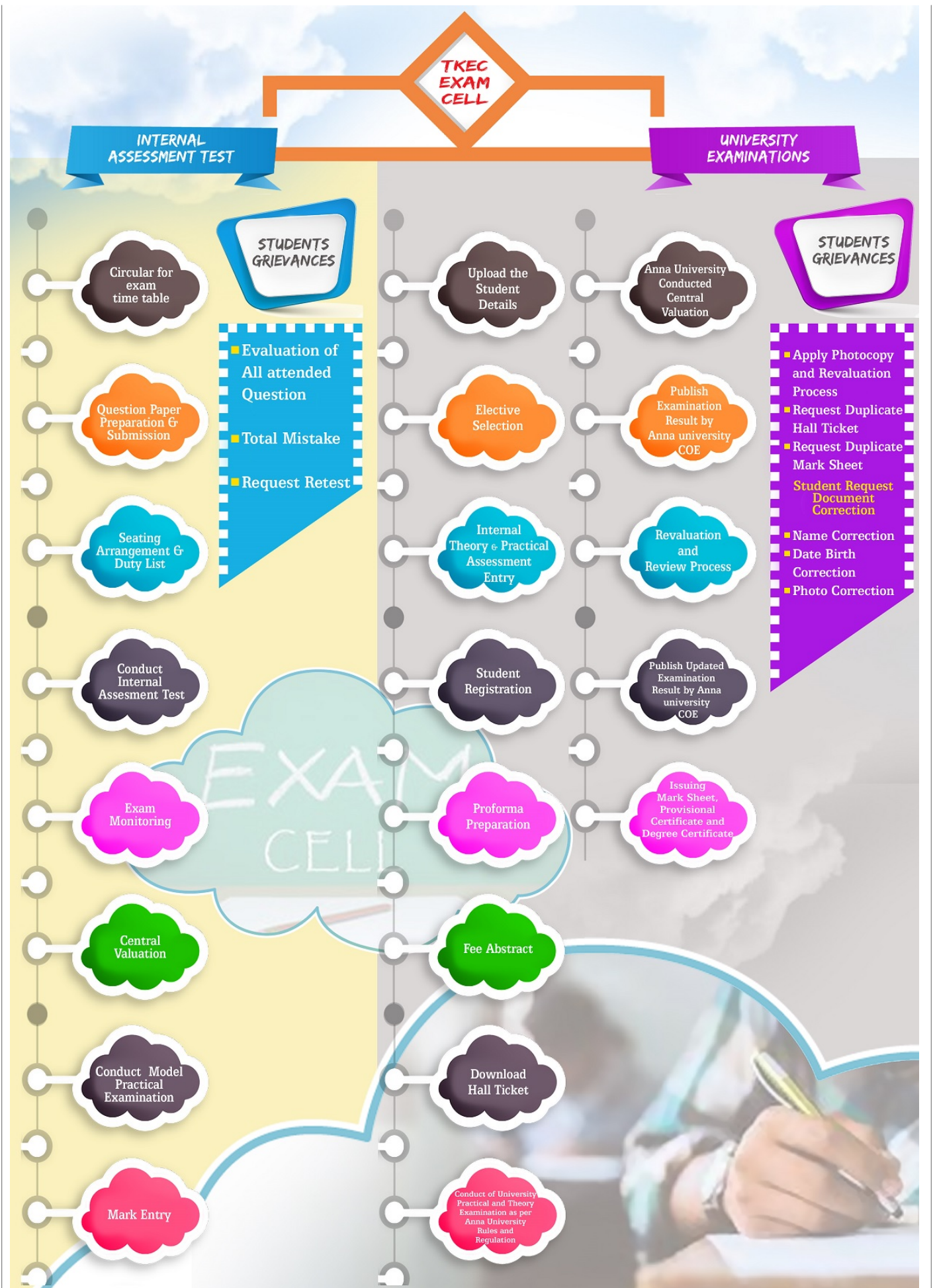
Conduct of University Examinations

- Candidates are permitted to appear for the semester examination after they registered for examination in all courses according to the Anna University regulations.
- The list of students opted for elective subjects are uploaded in University web portal after Principal approval.
- The Chief Superintendent(CS) is appointed by the Principal. Examination schedule and fee circular will be displayed in Notice boards. Anna University Representative(AUR) is appointed by the Zonal office.
- Question papers are issued by the University in sealed covers and opened at least 10 minutes before the scheduled time by CS & AUR. Invigilation duty, Hall & Seating arrangements and hall ticket distribution - by the Exam Cell as per University requirements.
- The sealed covers are handed over to the Zonal office by the Chief Superintendent through University Representative. Any malpractice of the candidate is booked and reported by the hall superintendent to the Chief Superintendent/COE.
- The University releases a circular to inform the commencement of central valuation

Students Grievances:

- Grievances identified in internal examinations for the student are rectified by the Principal.
- Grievances identified regarding Anna University Examination such as applying photocopy, revaluation and review process for the results they obtained, other grievances like correction in the grade sheet (DOB, printing mistakes, duplicate grade sheet, etc.) are rectified by CoE of Anna University.

TKEC EXAM CELL

INTERNAL ASSESSMENT TEST

- Circular for exam time table
- Question Paper Preparation & Submission
- Seating Arrangement & Duty List
- Conduct Internal Assessment Test
- Exam Monitoring
- Central Valuation
- Conduct Model Practical Examination
- Mark Entry

STUDENTS GRIEVANCES

- Evaluation of All attended Question
- Total Mistake
- Request Retest

UNIVERSITY EXAMINATIONS

- Upload the Student Details
- Elective Selection
- Internal Theory & Practical Assessment Entry
- Student Registration
- Proforma Preparation
- Fee Abstract
- Download Hall Ticket
- Conduct of University Practical and Theory Examination as per Anna University Rules and Regulation

- Anna University Conducted Central Valuation
- Publish Examination Result by Anna university COE
- Revaluation and Review Process
- Publish Updated Examination Result by Anna university COE
- Issuing Mark Sheet, Provisional Certificate and Degree Certificate

STUDENTS GRIEVANCES

- Apply Photocopy and Revaluation Process
- Request Duplicate Hall Ticket
- Request Duplicate Mark Sheet

Student Request Document Correction

- Name Correction
- Date Birth Correction
- Photo Correction

File Description	Document
Upload Additional information	**View Document**
Provide Link for Additional information	**View Document**

2.6 Student Performance and Learning Outcomes

2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated

Response:

- Program Outcomes (POs): It represents the knowledge, skills and attitudes the students should have at the end of a course completion of their respective Engineering program.
- Course Outcomes (COs): It gives the resultant knowledge and skills the student acquires at the end of each course. It defines the cognitive processes a course provides.
- Program Specific Outcomes (PSOs): These are statement that defines outcomes of the program which make students realize the fact that the knowledge and techniques learnt in this course has direct implication for the betterment of society and its sustainability.

Program Outcomes (POs) , Program Specific Outcomes (PSOs) and course outcomes are Communicated to the stake holders of the program by the following procedures.

- POs and PSOs are approved by the Department Advisory Board
- POs and PSOs are available in the Institute website (http://www.kavery.org.in/engg/index.aspx).
- POs and PSOs are kept in prominent locations of the campus for staff, students and public view.
- POs and PSOs are displayed in Department office, Laboratories and Department library.
- POs and PSOs are communicated to employers and Alumni by sending mail and during the Alumni Meeting.
- During the class committee meeting and faculty meeting POs and PSOs are reviewed among the students and staff members.
- Vision and Mission of Institute and Department are informed to the parents during Parents Teachers Meeting.
- Course Outcomes (COs) are framed at Department meeting. Department frames course committee for each courses with course handlers along with one subject area expert. The course outcomes and their mapping with program outcomes and program specific outcomes are elaborately discussed and derived by the course committee members.
- Even though the COs is given by the Anna University along with the syllabus, if necessary, the COs are modified and reframed by the course committee members (CC).
- COs are communicated to the students during the introduction class itself. COs along with lesson plan are printed and issued to the students during the first class.
- During the discussion of the course, the outcomes of the course are also focused. During the commencement of each unit and after the completion of the unit, the course outcomes are reviewed
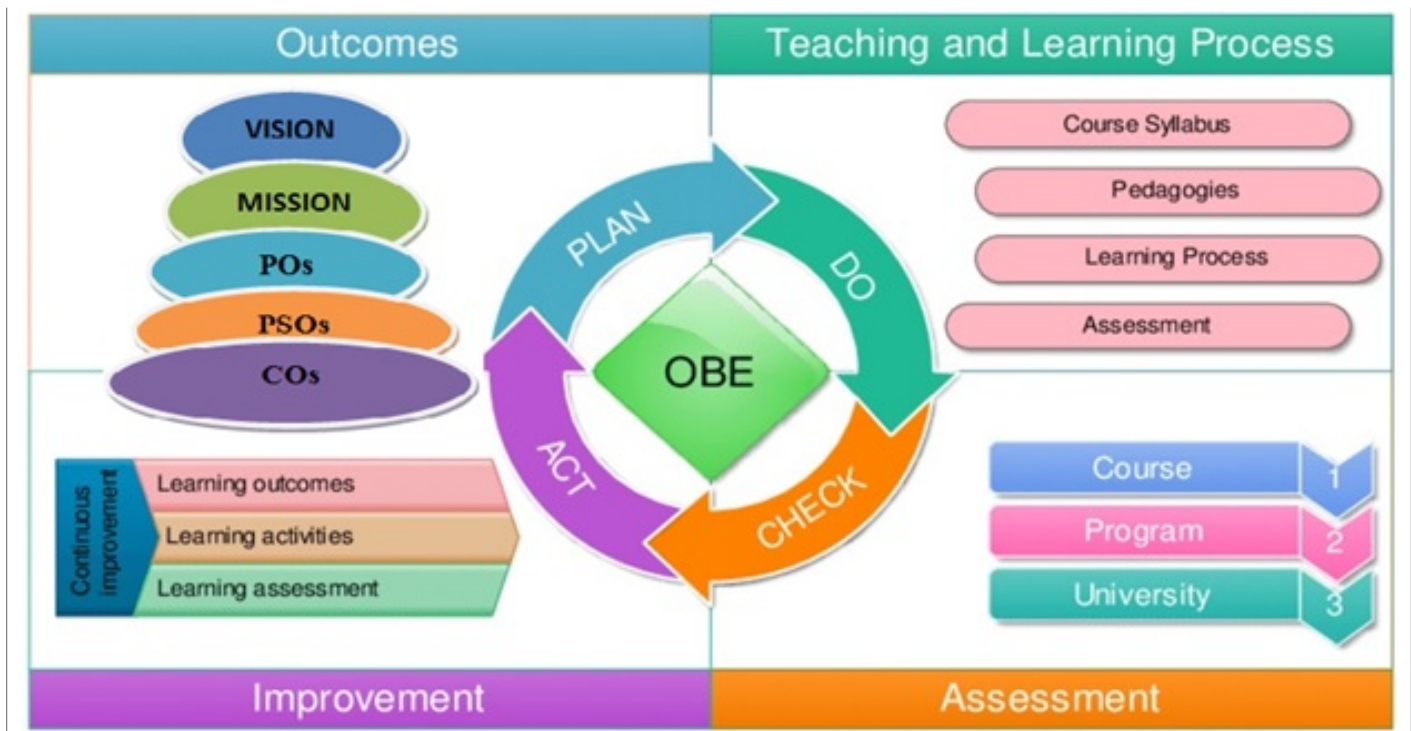
File Description	Document
Upload Additional information	**View Document**
Provide Link for Additional information	**View Document**

2.6.2 Pass percentage of Students during last five years

Response: 81.72

2.6.2.1 **Number of final year students who passed the university examination year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
260	332	456	338	519

2.6.2.2 **Number of final year students who appeared for the university examination year-wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
284	338	469	571	669

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Upload database of all students on roll	[View Document](#)

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 *Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)*

Response: 0.23

3.1.1.1 **Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0.075	0.15	0

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Response:

The Kavery Engineering College has formed various cells to create an active flow of information and resources to transform creative ideas into reality by creating an ecosystem of innovation.

lnstitution lnnovation Council (llC)

The institute established Institute Innovation Council in association with MHRD Government of India. The primary aim of lnstitution Innovation Cell is to encourage, inspire and nurture young students by supporting them to work with new ideas while they are in formative years. The IIC also works with external partners to develop collaborative initiatives and build a network of innovators.

Intellectual Property Right (IPR) Cell

The intellectual property cell has provided a platform to share and discuss the latest developments and applications with practical exposure and assist faculty members, students and academic researchers in the patent filing process. IPR Cell promotes knowledge of intellectual property rights through seminars and workshops for professors and students.

Entrepreneurship development Cell (EDC)

The Cell started with the purpose of promoting and supporting the innovations of students from ideation to the creation of an entrepreneurial ecosystem The cell provides the necessary facilities and technology assistance so that students can build their innovative startups and projects. The cell held an Entrepreneurship Awareness Camp (EAC) to encourage entrepreneurship after receiving a grant of Rs.20,000 from EDII, Ahmedabad.

Research and Development (R&D) Cell

The Center for Research and Development at The Kavery engineering college is well established and active, and its members come from several disciplines. R&D supports research publication of the faculty in peer reviewed, UGC approved journals and conference proceedings. The Tamil State Council of Science and Technology has awarded a total of Rs. 22,500 for three student projects.

Institute Industry Interaction Cell (IIIC)

The Cell is taking the initiative to bridge the knowledge gap between the industry sector and the students. The cell organizes diverse learning opportunities for the students which includes industrial visits, seminars, workshops, guest lectures, etc. through a number of Memorandums of Understanding (MOU) in collaboration with a variety of industries.

Centre of Excellence

The Kavery Engineering College's Centers of Excellence provide an excellent atmosphere for the practice, research, and/or teaching of a certain discipline. Research, professional development, training, and outreach are common activities carried out by centre of excellence.

1. Center of Excellence for Additive Manufacturing and Reverse Engineering
2. Center of Excellence for Heating, Ventilation, and Air Conditioning (HVAC)
3. Center of Excellence for Advanced Concrete Research (CACR)
4. Center of Excellence for Post Harvest in Agriculture
5. Center of Excellence for Embedded Systems (CES)
6. Centre of Excellence for IoT
7. Center of Excellence for Cyber Security's
8. Center of Excellence for software development

Centre for professional development

Professional memberships are intended to assist individuals to advance in their careers and professions. Through a variety of programmes and events planned by the association, Professional Society aims to help enhance their academic, professional, and personality abilities.

Professional memberships are:

1. ISTE – Indian Society for Technical Education

2. IE (I) – Institution of Engineers (India)
3. Indian Society of Mechanical Engineers (ISME)
4. Confederation of Indian Industry (CII)
5. ICT academy
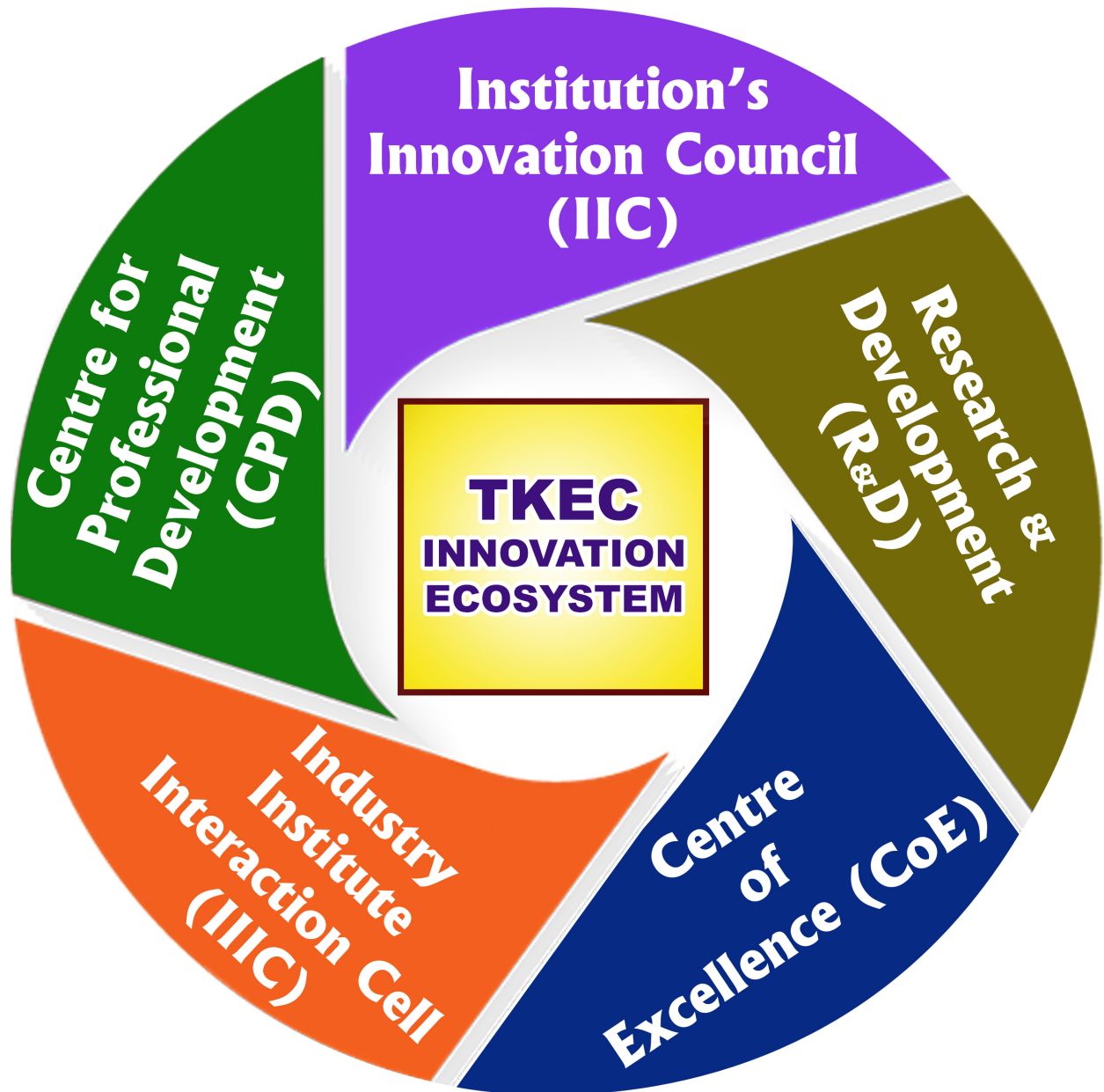
File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

3.2.2 *Number of workshops/seminars/conferences including on Research Methodology, Intellectual*

Property Rights (IPR) and entrepreneurship conducted during the last five years

Response: 95

3.2.2.1 **Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
18	12	16	25	24

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

3.3 Research Publications and Awards

3.3.1 *Number of research papers published per teacher in the Journals notified on UGC care list during the last five years*

Response: 0.04

3.3.1.1 **Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
2	4	5	2	2

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 0.04

3.3.2.1 **Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
1	5	2	2	2

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

3.4 Extension Activities

3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

Response:

National Service Scheme (NSS) has conducted numerous extension activities in the neighborhood community to sensitize students to social issues and contribute to their holistic development. Students are encouraged for participation in awareness about topics such as health, hygiene, environment protection, human rights, gender equality, and financial literacy. In addition, NSS has also organized clean-up drives and tree-planting campaigns as part of its environment protection initiatives. Furthermore, students also been involved in rural outreach programmes in remote areas near by our institution, where they have worked with local communities to improve access to basic necessities such as education, health services and clean water. Through these activities, NSS has been successful in creating a positive impact on the lives of people in the neighborhood community and beyond.

Center for Covid Care

Our college hostel rooms were renovated into a 400-bed Covid Care Centre during the COVID 19 period. To improve the lives of those affected, our college has expanded its support for the establishment of the COVID 19 care centre with the District administration team.

Social Ecological Activities

The college provides a plethora of activities for holistic development of students, right from the first year to the final year. These activities are organized by the college's NSS, YRC and Rotaract Club. The NSS (National Service Scheme) organizes activities like awareness programs, blood donation camps, health camps, tree plantation drives, and a lot more. These activities help students to develop a sense of social responsibility and commitment towards their society. The YRC (Youth Red Cross) conducts activities like first-aid training, disaster management drills, mock drills, visits to orphanages, and the like; to inculcate the

spirit of humanity, empathy and compassion among the students.

Our NSS, YRC and ROTARACT CLUB of our college are committed to making a difference in the lives of the people in the nearby villages. **Every year, we collaborate with Aravind Eye Hospital, Salem and the District Blindness Control Society** to organize a free eye camp. Through this eye camp, we are able to provide essential eye care services to the villagers, such as screening and diagnostics, treatment, and surgery. We also provide education to the villagers on the importance of eye health and safety, and how to take care of their eyes. By doing this, we are helping to improve the quality of life of the villagers, and reduce the prevalence of preventable blindness. Additionally, the NSS team has participated in a variety of initiatives like a **Green Campus, a cleanliness programme, and Blood Donation** for the benefit of nearly by peoples.

The YRC program focuses on creating awareness about various social issues among the students. The Rotaract Club organizes various activities to promote the spirit of service and volunteerism among the students. It has also organized several community service projects to bring about a social change and to build a better society.

File Description	Document
Upload Additional information	**View Document**
Provide Link for Additional information	**View Document**

3.4.2 Awards and recognitions received for extension activities from government / government recognised bodies

Response:

Introduction

Our students have participated regularly in many events organized by the various colleges of the state and other organization. Furthermore, our campus is identified as a central venue for Government activities like Higher Education Awareness Programs, Public grievances days, Medical camps, Blood donation camps, School Campus cleaning program, Temple premises crowd controlling program, Awareness rally, Tree plantation, Eye camps, and frequent medical camps etc. The participation of such Corporate Social Responsibility (CSR) activities are greatly appreciated by the Government officials and recognized.

Blood Donation Camp Award

The National Service Scheme, Youth Red Cross and Rotaract Club unit of The Kavery Engineering College had jointly organized **Blood Donation Camp** in the college premises in association with Lions Club of Erode Supreme Charitable Trust on 18.02.2020 and 20.12.2021. In the blood donation camp above 100 NSS, YRC and RC volunteers have donating their blood. Blood bank medical officer Dr. D. Chitra from Blood Bank & Blood Components Centre, Erode her deep satisfaction to the Chairman and Principal of our college and presented certificate as a mark of recognition to the college for having provided with 135 units of blood from the 2 days.

Eye Camp Recognition

Our college is conducting free eye camp every year in association with Aravind eye hospitals Madurai and Salem. The eye camps are conducting for the peoples in and around our location the Mecheri village. A village with a population of ten to twenty thousand including the surrounding areas in an accessible radius of 5 to 10 Kms is selected for conducting an eye camp.

The Kavery Engineering College delegate a separate team of members and NSS Volunteers to look after the community mobilization. College team will take care of Publicity of the camps, sponsor for effective execution and entire eye camp activity. For this activity, Aravind eye hospital has expressed their gratitude through Recognition letter for every camp.

Awareness Program

The Rotaract Club, YRC unit of The Kavery Engineering College organized awareness programs in various Government school premises. A general awareness program is a great way to increase knowledge and understanding of a variety of topics. It can be used to educate students on a wide range of topics, from current events to personal health and safety. A general awareness program can also help to raise awareness

on important social issues, such as energy conservation, plastic free environment and health hygienic.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs) during the last five years

Response: 80

3.4.3.1 **Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
26	9	17	14	14

File Description	Document
Upload supporting document	[View Document]()
Institutional data in the prescribed format	[View Document]()

3.5 Collaboration

3.5.1 Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 81

File Description	Document
Upload supporting document	[View Document]()
Institutional data in the prescribed format	[View Document]()

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 Availability of adequate infrastructure and physical facilities viz., classrooms, laboratories, ICT facilities, cultural activities, gymnasium, yoga centre etc. in the institution

Response:

The Kavery Engineering College in its 7.74 acres campus with builtup area of 27361 sq.m is a vibrant institute of higher education with good infrastructure. The institute since its inception in 2006 has never compromised with facilities like physical building, machinery, equipment, software, books and other learning resources. The institute has adequate infrastructure and physical facilities to enable students to innovate, impart team spirit and have competence to enable them to face the global challenges and become a contributing member of modern society.

ICT enabled classroom facilities

The class room, seminar halls, Auditorium, laboratories is equipped with LCD projectors, audio systems, green boards and a computer with Internet connectivity. The smart class room facilitated with Interactive boards and other ICT facilities.

Laboratories

All laboratories are fully equipped with latest equipments as per regulations of Anna University. These laboratories expose students to latest in research and advancements. The computing facility consists of licensed software with latest updates. Sufficient safety measures are also provided in all laboratories.

Digital Library

The library is fully automated by Integrated Library Management System (ILMS) AutoLib software, version 5.0 (updated 2022), it enables student access to DELNET software and other e-resurses. It includes modules including the Master Module, Report Management Module, Circulation Control, and Barcoding Module.

Cultural activities

The students participate in the various cultural events organized during Fine Arts club & the college cultural fest. With systematic and generous support from the college and overwhelming participation of students from various departments the talents of the students are brought forward. We have been able to incorporate clubs to facilitate all-round development.

Yoga centre and Gymnasium

Awareness on Yoga and its practice has been included in the student induction programme besides which Yoga Day is celebrated every year in the institute. Besides, college has a well-equipped gymnasium and yoga centre which is made used by the students and staff thus enabling a stress free & a healthy environment.

Sports

The institute has excellent sports facilities for both indoor and outdoor games like basket ball, handball, volleyball, badminton, table tennis, throw ball, chess, and carom. The Physical director has separate room for monitoring the sports activities.

Transport and Cafeteria

The institute provides transport facilities for the students and staffs to around rural places in a radius around the campus. A health care center provides first aid facilities, emergency ambulance service and has a tie up with a nearby hospital for any medical emergencies.

Cafeteria provides hygienic food for students & staff and it has adequate seating capacity.

Miscellaneous

The Amenities and facilities also include well maintained Lift, RO water plant, Fire Extinguisher, Sanitary napkin vending machine, Water Purifier, CCTV Surveillance, Solar plant, Generator, Biogas plant and Rainwater harvesting. College has functional NSS and YRC for the extension activities to help and serve the neighborhood Community towards its development.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

4.1.2 Percentage of expenditure, excluding salary for infrastructure augmentation during last five years (INR in Lakhs)

Response: 41.92

4.1.2.1 **Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
16.61	169	248.40	101.17	192.96

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS), subscription to e-resources, amount spent on purchase of books, journals and per day usage of library

Response:

ILMS - Library Automation

The Kavery Engineering College library has **AutoLib 5.1**. Management software (LMS) with perceptual software compatibility. Book Circulation Control and Return Entry, Online Public Access Catalogue with Title, Periodical-wise Search, General Book Reports, Accession No./Title/Author/Publisher-wise Additionally, it aids in the tracking of books in the library, and books can be classified by author, subject, and publisher. It can be used to quickly locate lost or misplaced books. Multiple audits ensure a well-maintained library with easy access to books.

Catalogue:

The catalogue module is used for the retrospective conversion of library resources.

The catalogue module's features are as follows:

1. Allows users to create customized reports.
2. Allows for the creation of a person name authority database.
3. Corporate structure, subject headings, and series title
4. Publishers' master database

Scanning Technology:

The library has integrated barcode scanning and is leveraging systems, applications, and product software to automate the library. All of the books have barcodes, and the circulation counter uses a bar code laser scanner to process book transactions. After entering the necessary information to record the books and journals in the database, bar codes are printed on adhesive labels in accordance with the accession number of the book and journals, making searching, systematic shelving, and circulation of books and journals easier. The barcode library reference number of the staff and students is contained in the user id.

Circulation:

All circulation-related tasks are handled by this module. Major responsibilities of the circulation module include membership, transactions, interlibrary loans, overdue fines, reminders, search status, maintenance of the objects (binding, lost, replace, missing, withdrawal, etc.), and report generating based on various specifications.

Subscription to e-resources:

The college library offers a various institutional memberships for e-resources and e-journals. The digital library with 500 mbps internet connected to computers in the library. Direct access to online paid (DELNET e journals, K.hub). The library offers both student and faculty publications. The library offers NPTEL video courses, the SWAYAM program, and other e-learning materials developed by the Indian government. You can access the library at http://www.kavery.org.in/engg/library-kavery.aspx.

Usage of Library:

We are able to create and print a greater variety of reports, such as book issued and return reports organized by title, publisher, department, author, and accession number. The library management system also offers the ability to generate monthly and annual reports. A daily average of 350 users or more are recorded by the module.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Response:

Computer Resources

The Kavery Engineering college has Excellent IT facilities which is primarily designed to provide students and faculty with open and equitable access. In our institution 729 highly configured Computer Systems are available in our campus with LAN connection. Furthermore, the institution's administrative and examination framework have benefited by the same.

IT Infrastructure Management

The main computer centre of The Kavery Engineering College supports the Institute with Wide fiber optic network that connects all the departments, hostels, library and college offices. A separate admin team is taking care of the IT related requirement of the campus such as system administration and technical support which includes software installation, network monitoring, internet connection and digital library. All the department faculty rooms and offices are provided with internet facilities for the convenience of the students, faculties and office staff members.

WiFi and Internet

Institution provides 100 Mbps 1:1 leased line Internet connectivity. The internet can be accessed from desktop through LAN and WiFi in different departments which are interconnected through switches. Our entire campus has various WI-FI access points to access educational resources. The Computer laboratories are secured through Firewall. Using firewall, threat protection, VoIP security, VLAN, content/packet filtering, URL Blocking, anti-spam, anti-virus, intrusion detection & prevention are endorsed to securitize. Our Institution has created unique mail id in our college domain for all the faculty members. Bulk SMS facility is also available to communicate important messages to all the students and faculty members. To enhance the programming skills of the students, training programmes are periodically organized

CCTV Surveillance

Effective CCTV Surveillance network is available all over the campus. It helps to monitor our campus, staff members, workers and activities of the students especially at the time of examination. LCD Projector, Printers and Scanners are effectively utilizing for academic purpose. Adequate number of class rooms & seminar halls are equipped with LCD projectors and Wi-Fi facility to deliver presentations. Online placement drives, industrial training and classes are conducted for the students to enhance their skills as a part of ICT mode of learning.

Updating IT Policies

The computer systems are upgraded periodically based on the gradual increase in intake of the students. Student computer ratio is maintained as per norms requirement of AICTE. All the laboratories are deployed with licensed software which are used for classes, laboratories, research work, training, certification programmes are procured and being used in the campus. To carry out the research and project activities highly configured systems, necessary software, hardware devices are purchased based on the requirements. The internet bandwidth connectivity is upgraded based on the requirement to provide the quality internet connectivity. Based on the revision of the syllabus, the required software is purchased and licences is renewed periodically.
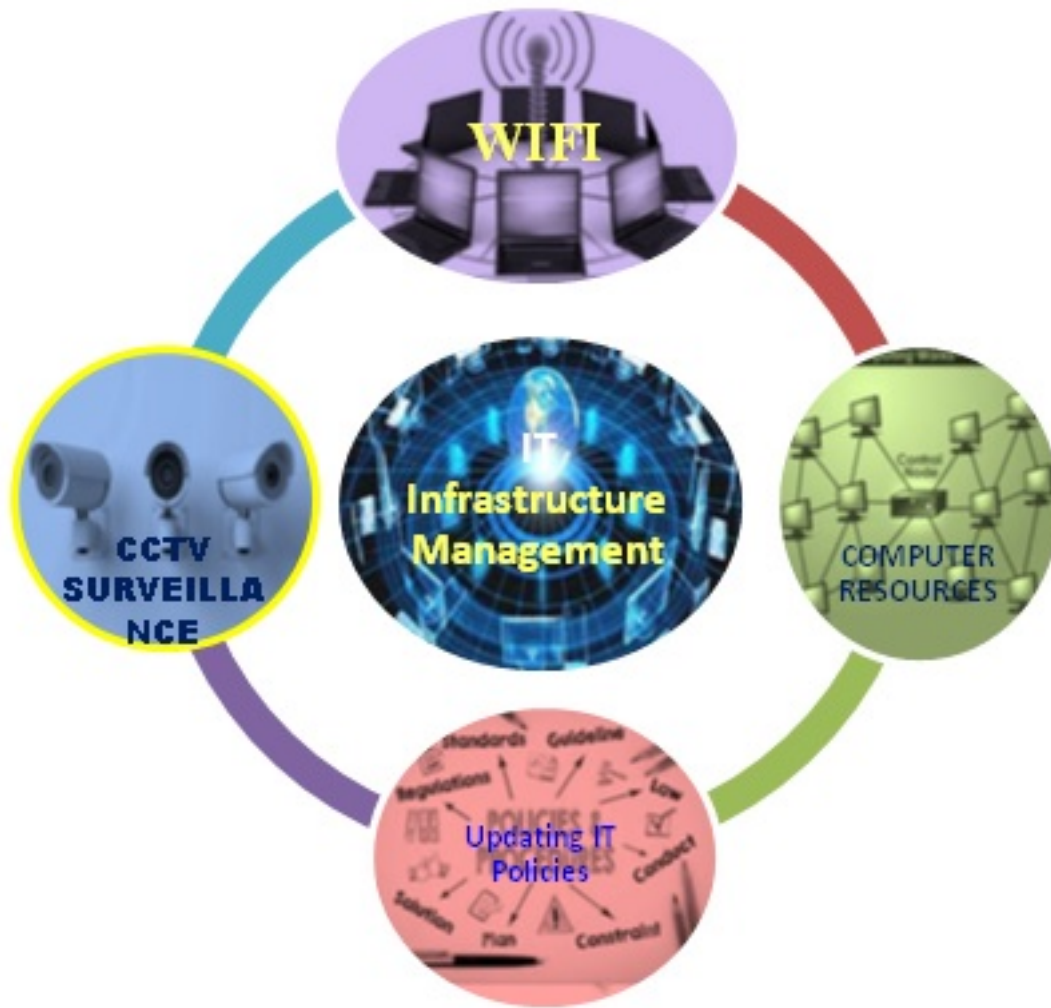
File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

4.3.2 Student – Computer ratio (Data for the latest completed academic year)

Response: 2.34

4.3.2.1 **Number of computers available for students usage during the latest completed academic year:**

Response: 600

File Description	Document
Upload supporting document	[View Document](#)

4.4 Maintenance of Campus Infrastructure

4.4.1 Percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years (INR in Lakhs)

Response: 31.79

4.4.1.1 **Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
54.4	61.5	119.5	169	147.74

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Percentage of students benefited by scholarships and freeships provided by the Government and Non-Government agencies during last five years

Response: 93.57

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government and Non-Government agencies year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1332	1040	1215	1605	1846

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.1.2 *Capacity building and skills enhancement initiatives taken by the institution include the following*

1. *Soft skills*
2. *Language and communication skills*
3. *Life skills (Yoga, physical fitness, health and hygiene)*
4. *ICT/computing skills*

Response: A. All of the above

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.1.3 Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 87.06

5.1.3.1 **Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
1211	890	1059	1534	1855

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.1.4 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

1. Implementation of guidelines of statutory/regulatory bodies
2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

Response: A. All of the above

File Description	Document
Upload supporting document	[View Document](#)

5.2 Student Progression

5.2.1 Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 76.79

5.2.1.1 **Number of outgoing students placed and / or progressed to higher education year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
224	286	351	494	435

5.2.1.2 **Number of outgoing students year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
284	338	469	571	669

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.2.2 Percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 100

5.2.2.1 *Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ Judicial Services/Public Prosecution services/All India Bar Exams/State government examinations) year wise during last five years*

2021-22	2020-21	2019-20	2018-19	2017-18
5	18	11	14	24

5.2.2.2 **Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
5	18	11	14	24

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years

Response: 30

5.3.1.1 *Number of awards/medals for outstanding performance in sports/cultural activities at*

national/international level (award for a team event should be counted as one) year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
12	1	7	3	7

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.3.2 Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 21.4

5.3.2.1 **Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
35	2	22	25	23

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.4 Alumni Engagement

5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

The Kavery Engineering College Alumni Association (TKECAA) is a platform through which the alumni get in touch with their almamater and with their classmates. The primary objective is to reconnect, reminisce, and revisit the rich memories, connect with classmates, strengthen the bond, and savour the rich experiences gained over the years. The driving force behind TKECAA is to encourage vibrant student-alumni interactions that would benefit our students in terms of learning, as well as the alumni in terms of sharing their rich expertise. Regular interaction with alumni is ensured to bring current technologies

practiced in the industry to the institute. Also opportunities available in the job market and skill set expected by the industries are shared by the alumni through Seminar/Webinar activities. Alumni meet is being conducted at college campus.The Institute established alumni cell in 2022 to maintain a goodlinkage between institute and alumni. The alumni association helps in building a network of the alumni and helps in being in touch with the corporate world. Every year Alumni meet will be hosted by the Alumni association and supported by the Management where the alumni from different branches are invited to share their views and suggestions on the scope of their course and also to create awareness about the professional world. This paves an opportunity for the alumni to meet other alumni and cherish their past experiences and moments.

The following are the activities carried out with the help of Alumni.

Curriculum Enrichment:

Alumni are actively contributing to the curricular gap identification and development of Add on course and value added course modules.

Advisory board Members:

The Alumni advisory board members help us in attaining our targets in Outcome Based Education (OBE). Their participation in finding the content beyond the syllabus to bridge the curriculum gap is most appreciable.

As a Recruiter:

Many alumni in top positions in reputed industries. The opportunities available in their organization are shared with the students and many eligible students were recruited with the help of alumni.

As an Entrepreneur:

Successful alumni entrepreneurs are motivating the budding technocrats to become entrepreneurs by sharing their experience. Barriers and successful strategies shared by them give a clear idea for the students to enhance their skills to become successful entrepreneurs.

Research and consultancy:

To fuel the research and consultancy works in various fields like Engineering, automation, software, etc. Our Alumni members are extending their help to the departments by directing the entrepreneurs to carry out consultancy works in various sectors of the engineering stream.

ALUMNI REGISTRATION

FORM NO.II
(See Rule 8 of the Tamil Nadu Societies Registration Rules, 1978)
CERTIFICATE OF REGISTRATION UNDER SECTION 10
OF THE TAMIL NADU SOCIETIES REGISTRATION
ACT,1975 (TAMIL NADU ACT 27 OF 1975)

CERTIFICATE OF REGISTRATION OF SOCIETIES

SI. No. SRG/Salem West/150/2022

I hereby certify that தி காவிரி பொறியியல் கல்லூரி முன்னாள் மாணவர்கள் சங்கம்- மேச்சேரி has this day been registered under the Tamil Nadu Societies Registration Act,1975 (Tamil Nadu Act 27 of 1975).

Given under my hand at Salem West this 17th day of October, 2022

Date   :17-Oct-2022   Digitally Signed by Thiru/ Tmt/ Selvi
Station : Salem West   Manivannan Ma
                              Signature of the Registrar

ALUMNI CONTRIBUTION AND ALUMNI MEET

Register under the Tamilnadu Societies Registration Act, 1975 on 17.10.2022.

Curriculum Enrichment

Interactive Sessions

Mentorship

Placements / References

Generosity

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)	

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance and leadership is in accordance with vision and mission of the institution and it is visible in various institutional practices such as decentralization and participation in the institutional governance

Response:

Vision:

To emerge into a frontline Institution of professional learning by inculcating quality standards in technical education, high pattern of discipline and leadership qualities to meet the global standards.

Mission:

We dedicate and commit ourselves to achieve, sustain and foster unmatched excellence in Technical Education through global standards to flourish the domain of Engineering and nurture talents needed for the students to develop themselves with ethical values to the challenging technology for the betterment of the nation.

Nature of Governance:

Nature of governance is the process of decision-making and control within an institution. Good governance is essential for the success of the institution, as it ensures that decisions are taken in the best interest of all stakeholders in a transparent and accountable.

Various verticals have been formulated for the effective functioning of our institution. Each vertical has independent heads that take decisions in line with institution policy in consultation with the principal/management. The various cells functioning are Governing Council, Grievance Redressal committee, Internal Compliant Committee, Anti-Ragging Committee, Women Empowerment cell, Training and Placement, R&D, Alumni Association, Institute Industry Interaction cell, NSS/YRC/ Rotaract club, IPR & EDC cell, Centre for Professional Development etc.,

Perspective Plans:

Perspective plans outline the vision, objectives, strategies, and tactics that the organization will use to achieve its goals. The purpose of a perspective plan is to provide a framework for the organization to use when making decisions about the future. The plan should be used to measure progress and evaluate the strategies and tactics that the organization is using to reach its objectives, in line with organization's vision, mission, and values. Finally, the plan should include

- To frame the effective Teaching & Learning Process.
- Improving employability and Entrepreneurship Development through Industry-Institute-Interaction.
- Engaging extension and outreach activities.
- Promoting of Research among staff and students.

- Establishing Centre of Excellence for various departments.
- Enhance alumni engagement.

Contribution of the Teachers in the Decision Making Bodies:

Teachers play a significant role in decision making bodies at all levels of education. They are involved in decisions related to the curriculum, teaching strategies, assessment, institutions policies and budgets. It is important that teachers are involved in decision making processes to ensure that their opinions and expertise are taken into consideration.

Teachers have a variety of roles and responsibilities in decision making bodies. They can serve as advisors, provide feedback, and develop proposals for consideration. Faculty members are identifying the right students as the representatives for various committees and motivating them towards organizing the various events at the department and college level.

- Principal leads the academic and administrative bodies for effective implementation.
- He is regularly organizing the meetings in connection with IQAC, Governing Council and regular meeting with HOD's to discuss policies, and everyday activities
- Heads of the various Departments along with faculty make the decision for various activities of the department.
- Faculty members and administrative team are involved in the process of decision making in executing their duties, responsibilities and rights.
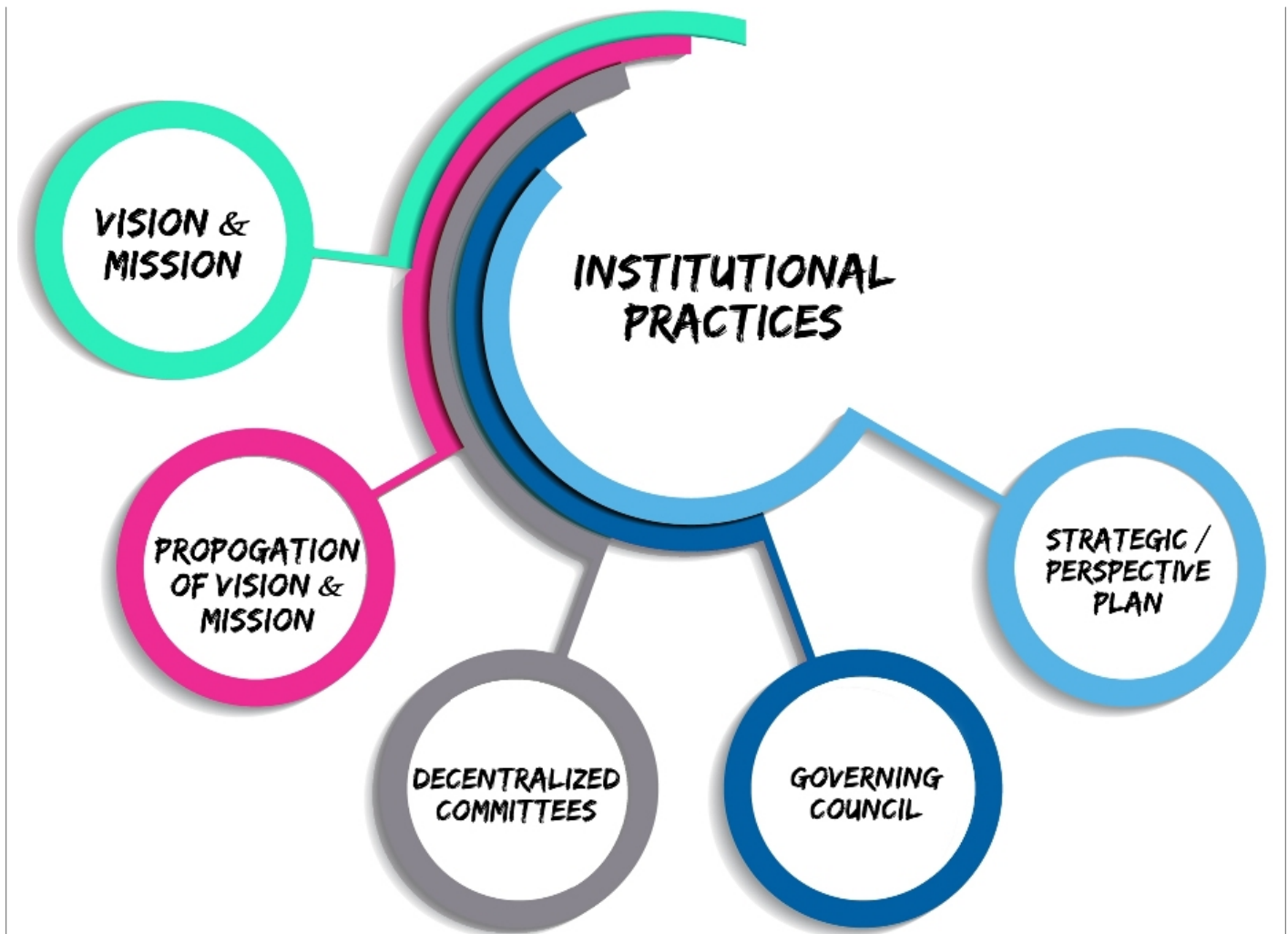
File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, deployment of institutional Strategic/ perspective/development plan etc

Response:

The Kavery Engineering College established in the year 2006 by a trust of philanthropists with a view of disseminating technical and scientific knowledge to the students of rural areas and offers UG and PG programmes.

Institutional Bodies

Our Educational Institution has various institutional bodies for efficient and effective functions are

- College Governing council,
- IQAC,
- Entrepreneurship development Cell,
- Grievance Redressal cell,
- Internal Compliance Committee,
- Anti-Ragging Committee,
- Exam cell,
- OBC Cell,
- SC/ST Committee,
- Minority Committee,
- Training and Placement Cell,
- Co-curricular and extra-curricular clubs,
- Institute Innovation Council,
- Library Advisory committee,
- R&D cell,
- Women Empowerment cell.
- Institute Industry Interaction cell

Deployment of institutional Strategic plan

The Institution has plans for the development of Strategic/perspective plan for the period from 2021 - 2025.

To get NBA Accreditation for the eligible departments by 2024.

To establish Centers of Excellence and Professional Labs in collaboration with industries and institutions for each department by 2024.

To motivate all the faculty members to register Ph.D by 2023.

To become an Autonomous Institution by 2023, and to get research centre recognition for all eligible departments.

To encourage the students participation in co-curricular/extracurricular activities.

To Improve the Employability skills of the students to be industry ready.

To get funds from various funding agencies to organize Conferences / Seminars / Workshops / FDP.

To encourage faculty members to publish papers in reputed International/National Journals with good impact factor.

To intensify the activities of Institute Innovation cell for undertaking more industry oriented projects.

The strategic plan deployed under verticals as follows

S.No	Stratergic Plan	Sub Plans
1	Enhance Interaction with Society	NSS, YRC, Various Clubs, Professional Societies Students Chapter
2	Student learning Environment	ICT based TL, Value Added
3	Enhance Industry Orientation	Guest Lectures, Internship, MOUs, Industrial Projects
4	Internal support systems	MIS, LMS, Effective Implementation of Modules, etc
5	Alumni Activities	Registered Alumni Association, Alumni Meet, Alumni Contributions, etc
6	Ambient cleaner and greener campus	Solar, LED, All type of Waste Management
7	Research Development	R&D Policy, Paper in UGC and other SCI, Scopus, Advanced Centers for Research / Future tech Labs

Comprehensive Academic System is employed for effective management, increasing the scope of Campus Surveillance System, Enhancement of energy conservation systems. Software is designed to manage day to day academic and administrative activities. It is designed as a web application, with a responsive user friendly interface that can be accessed from desktop or mobile.
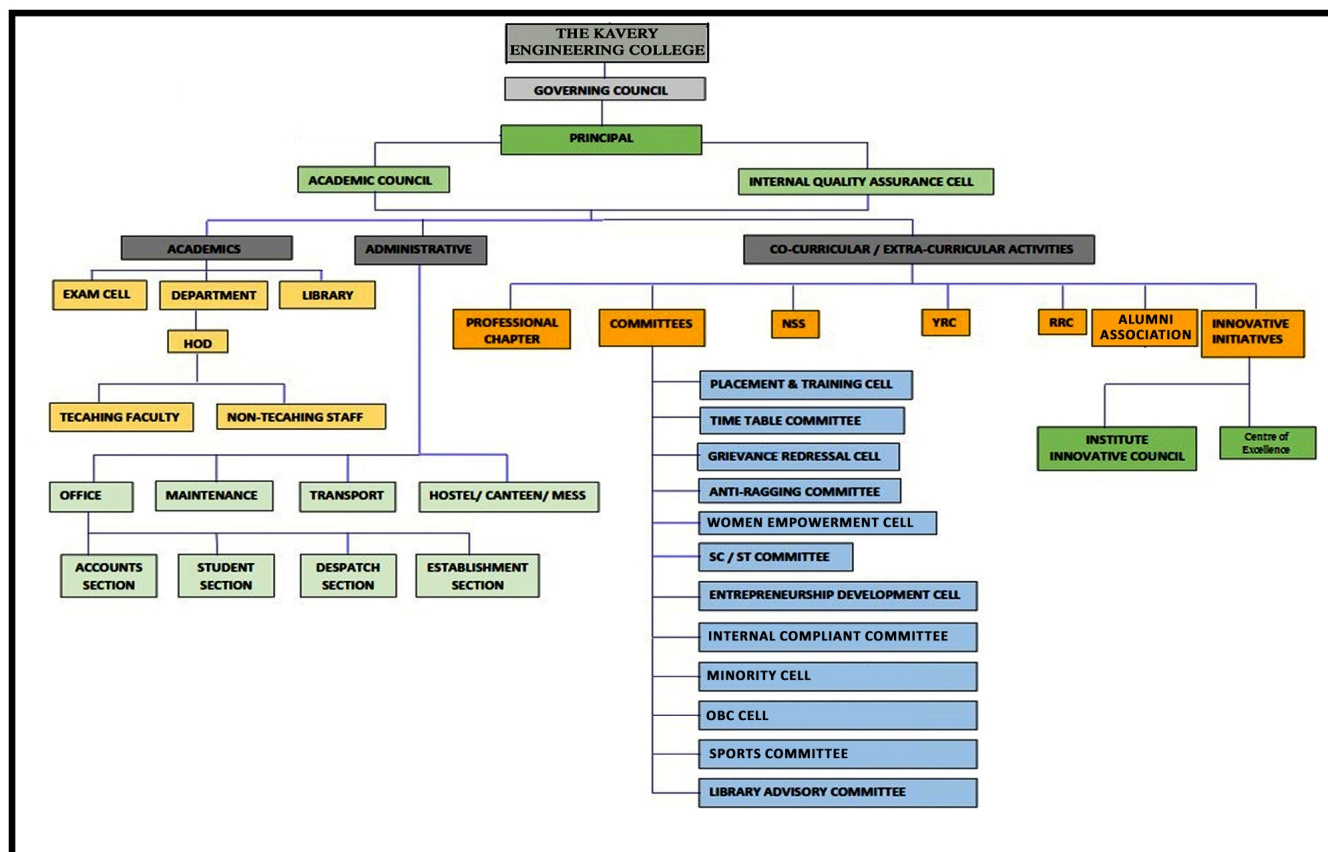
File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.2.2 Implementation of e-governance in areas of operation

1. **Administration**
2. **Finance and Accounts**
3. **Student Admission and Support**
4. **Examination**

Response: A. All of the above

File Description	Document
Upload supporting document	[View Document](#)

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures and Performance Appraisal System for teaching and non-teaching staff

Response:

Teaching and non-teaching staff play an important role in the institute's growth. The institute recognises their productivity and recognises their needs and requirements on a regular basis. As a result, the institution is putting in place a variety of effective welfare programmes. These improve employee's physical and mental health, promoting a dynamic and encouraging work environment.

Welfare Measures for Teaching and non-Teaching staff

- Providing financial support towards membership fees of professional bodies
- Free accommodation is provided to faculty who stay in the hostel
- Staff wedding gifts
- Transport facility provided for all the staff members with concession
- Cash incentives are given to the faculty members, those who produce 100% academic result
- Incentives will be provided for research publication and international Journals
- Providing financial support towards attending conference, workshop and FDP
- Maternity benefits for women staff as per norms
- Separate cabin facility provision
- Wi-Fi Facility

Performance Appraisal

The Kavery Engineering College has implemented an appraisal system for staff to ensure that their performance is evaluated and rewarded adequately. The appraisal system should be based on a

combination of quantitative and qualitative criteria, such as work quality, teamwork, efficiency, personnel development and innovation. Our college also provides training and development opportunities to help staff reach their professional goals and become more productive. Finally, the system should also include appeal process for staff to address any grievances they may have.

**Performance Appraisal System**

Phase I : Appraisal Form Distribution

Appraisal forms are distributed to the individual faculty

Phase II : Academic Faculty Evaluation Committee

The Committee comprise of Principal and HoD's of respective department for the evaluation of the staff. The principal evaluates and examines overall performance based on the class committee meeting and students end semester feedback collected through online on various accept like coverage of syllabus, ability to explain the concept in clear, interaction in class, discipline, Punctuality and the capacity to operate as part of a team.

Phase III : Management Evaluation committee

The Principal and HOD in collaboration with management will assess faculty members based on their performance in that academic year, personal development as well as review all processes involved in the performance appraisal system through one-on-one interactions with staff, and decisions will be made appropriately.
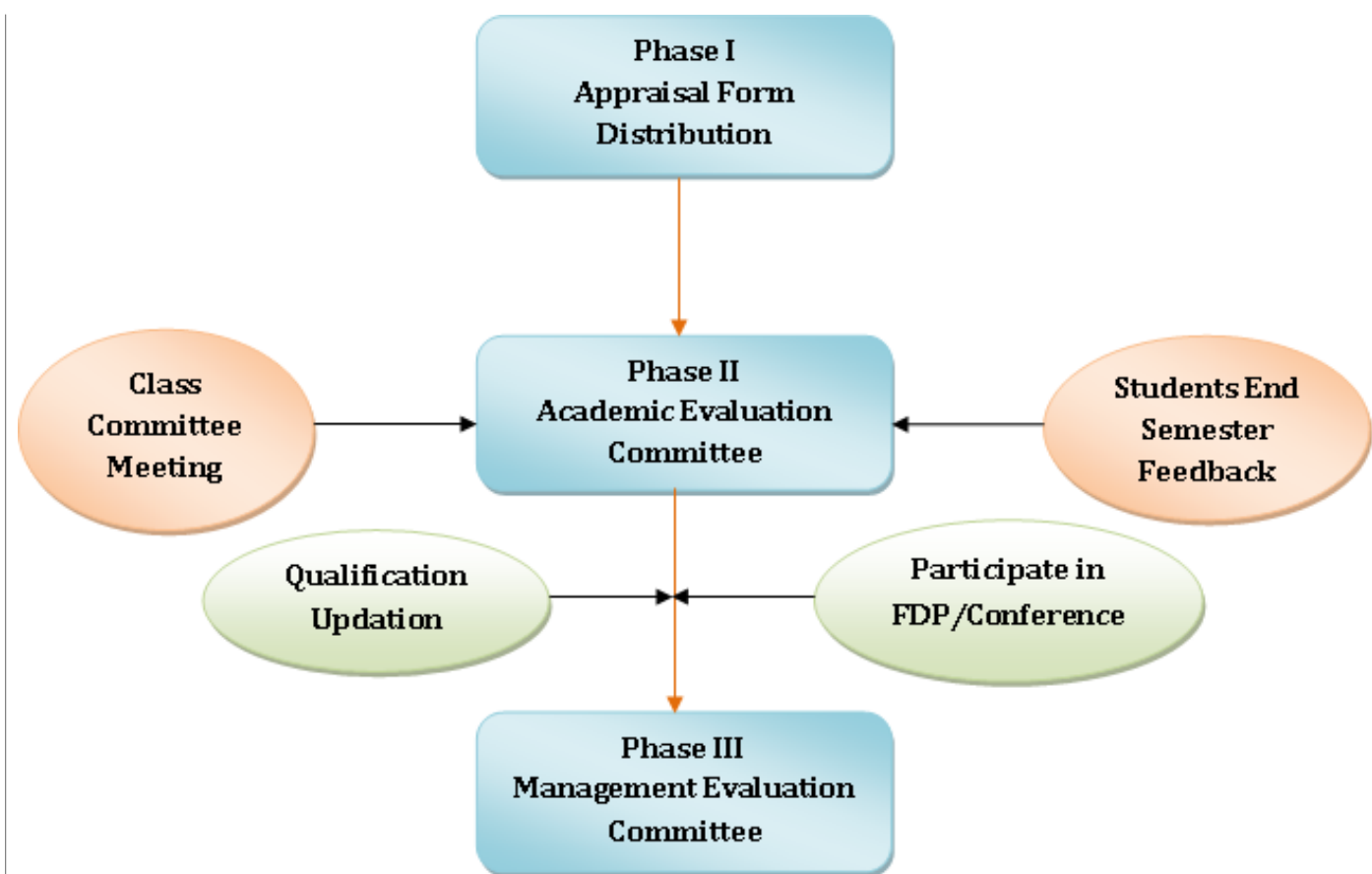
File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.3.2 Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 52.64

6.3.2.1 **Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
90	95	110	95	128

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years

Response: 57.18

6.3.3.1 **Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
115	119	109	119	155

6.3.3.2 **Number of non-teaching staff year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
10	15	15	25	30

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

6.4 Financial Management and Resource Mobilization

6.4.1 Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

Tuition fees serve as the Institute's primary source of funding. The tuition fee is set in accordance with government regulations, expenditures from the prior year, and the effects of inflation during the next three years. The Institute includes infrastructure and the expenses required to meet the requirement of the curriculam. A rise in salary through DA, increments, etc. when providing the estimates. The internal fee regulatory committee gives the institute flexibility in how much money can be set aside for the capital expenses that the institute is slated to make over the next three years.

The Sponsoring trust, THE KAAVERY EDUCATIONAL TRUST, extends financial support to the Institute for the shortfall and ensures the availability of requisite funds.

Budget Preparation

Based on the budget presented by the HODs of all departments and other competent authorities of the institute, the Principal is producing the consolidated budget proposal and submitting it to the Governing Council for approval. The Administrative Officer is assisting with this process. The Governing Council approves the budget after considering the income and expense statement from the previous year as well as the activities planned for the upcoming academic year. The institute has a strong internal and external audit process in place to validate income and expense reports, and the thorough audit report is forwarded to management by the Principal.

Optimal utilization of resources

Based on the estimates received from the Institute's departments and functional units, an annual budget is prepared to ensure the best use of financial resources. The Managing Committee/Board of Governors approves the amount. Income and expenditure statements are prepared monthly.

Audits are performed on a regular basis to ensure that the budget is being used to its full potential. The resources, in the form of facilities and equipment, are kept in good condition to ensure peak performance.

Internal Audit

The administrative officer-led finance department manages the collection of tuition fees, salary distribution, tax payment, loan distribution, purchase orders for all required materials, and maintenance (Finance). The institution takes great care to maintain correct records. Additionally, the administrative officer regularly double-checks the budget. The internal auditor and his staff do an internal audit every year and present their findings to the Principal. Management and the Principal will responding to the internal audit findings and will take necessary actions to guarantee that income and expenses are in line with the budget proposal.

External Audit

The external auditor is chosen by the Management team. The external Auditor frequently visits the office to review the financial records. When the audit is finished, the auditor presents the audit report to Management for their evaluation. An external audit is carried out every year. As of the date of the previous external audit, there are no negative comments on the institution's financial situation. The company always submits its income tax returns well before the due date.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

To maintain quality standards in Teaching learning and evaluation and to impart quality education, internal quality assurance cell has been formed

Quality Assurance Strategies:

- To Ensure timely, efficient and progressive performance of academic administrative and financial tasks
- To impart the quality of academic and research programmes
- To optimize and integrate the modern methods of teaching and learning
- To satisfy the stakeholders by fulfilling their requirements by collecting frequent feedbacks.
- To develop the skills of young engineers through training and development activities.
- To ensure the adequacy, maintenance and proper allocation of support structure and services.
- To channelize and systematize all efforts and measures of the institution towards academic excellence.

Institute follows various processes towards quality enhancement. Among these the following three methods are explained

Feedback Mechanism:

To enhance the quality teaching learning process and other academic performance activities frequent feedback is got from the stakeholders. The feedback is analysed and suitable action is taken. Feedback is used to realise the true fact and optimise the quality.

MOU with industries:

The gap between the industries and institution is reduced by MOUs. The activity served by the industries boost up the students to acquire knowledge based on industrial side. Apart from the knowledge of curriculum the collaboration of industries is used to gain knowledge in technology development through inplant training, Internships and Projects. It gives new innovation and imparts students to do project. Our institution is enriching the collaboration every year and the training from the industries is supporting the student to get placements.

Value Added Course:

Value added course is the part of our academic delivery which is used to acquire knowledge and skills. It prepares our students to update the latest trends and to improve their technical skills further. It provides necessary skills to increase the employability quotient and equipping the students with essential skills to succeed in life. It improves employability skills of students and bridges the skill gaps and makes students industry ready. It provides an opportunity to students develop their inter-disciplinary skills and mould students as job providers rather than job seekers.

Faculty Development Programs:

The process of providing educational and coaching to faculty members to help them to improve their work performance, particularly in the areas of teaching, grants writing, and conducting research. Faculty Development Programs will not only promote the professional practices relevant to technical education but also motivates the faculty to achieve competitive teaching and learning environment, thus channelizing development with respect to academic qualifications and personal matters. It provides an opportunity to acquire knowledge about current technological developments in relevant fields. Faculty development helps the faculty to improve their professional skills which useful for carrying out their teaching and research activities in the field of education. IQAC has organized FDPs related to quality teaching learning and quality enhancement.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.5.2 Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
2. **Collaborative quality initiatives with other institution(s)/ membership of international networks**
3. **Participation in NIRF**
4. **any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA, ISO Certification etc**

Response: A. All of the above

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity and Institutional initiatives to celebrate / organize national and international commemorative days, events and festivals during the last five years

Response:

To create gender equity, our institution has established Women Empowerment Cell. The aim of WEC is to empower girl students and faculty to enhance their understanding of issues related to women and to make the college campus a safe place for girls and women. Students of both the genders are given equal opportunities to grow and develop into able, responsible citizens of the future. College makes efforts to maintain gender balance among the faculty members, administrative and housekeeping departments.

The recent increase in incidents of violence against women has created a need for safety and security for our girl students. Hence, we have taken measures to tighten security in our campus. TKEC has a separate boys and girls hostel. Day scholars who travel by college bus are segregated based on the gender in the bus girl students are provided with a separate common room and sick room where they can relax during break hours or can be used by sick students to take rest.

TKEC has Clubs and Committees to address the needs of girl students. They are Women Empowerment Cell, Grievance, Redressal committee, Anti Ragging Committee and sexual harrasment committee. They ensure that student problems are addressed promptly and effectively. International Women's Day is celebrated every year. A suggestion box has been placed on the premises of the college to ensure redressal of grievances and create proactive response to students' requirements.

The students are encouraged to celebrate the greatness of our nation and its cultural diversity in every opportunity. Besides this birth and death anniversaries of great leaders are observed to remind our students of their achievements and contribution to our society. Students are given awareness about the basic constitutional rights. National festivals **remind us of the significance of freedom, democracy, and peace**. These festivals are celebrated and are a way of spreading unity and harmony among students.

Gandhi Jayanthi is celebrated every year on 2nd October to understand the ideology of our great leader Mahatma Gandhi.

The college celebrates **International Yoga day** on 21st of June every year by conducting a camp or workshop on how Yoga embodies unity of mind and body. **Engineer's day** is celebrated on 15th September on the occasion of Birth Anniversary of Bharat Ratna Mokshagundam Visvesvaraya.

National Science Day is celebrated on 28th February every year to mark the discovery of the Raman Effect. College regularly observes National Science Day by conducting Science Exhibitions, Seminars, Quiz competitions etc.

National Mathematics Day is celebrated on 22nd December to honor Dr. Srinivasa Ramanujam for his contribution to Mathematics.

Independence Day: Independence Day is celebrated every year to create a pride for our nation

Republic Day: Republic Day is celebrated by flag hoisting and parade by the NSS and YRC students in the college campus

Pongal: Pongal is the Festival of Harvest is celebrated every year.
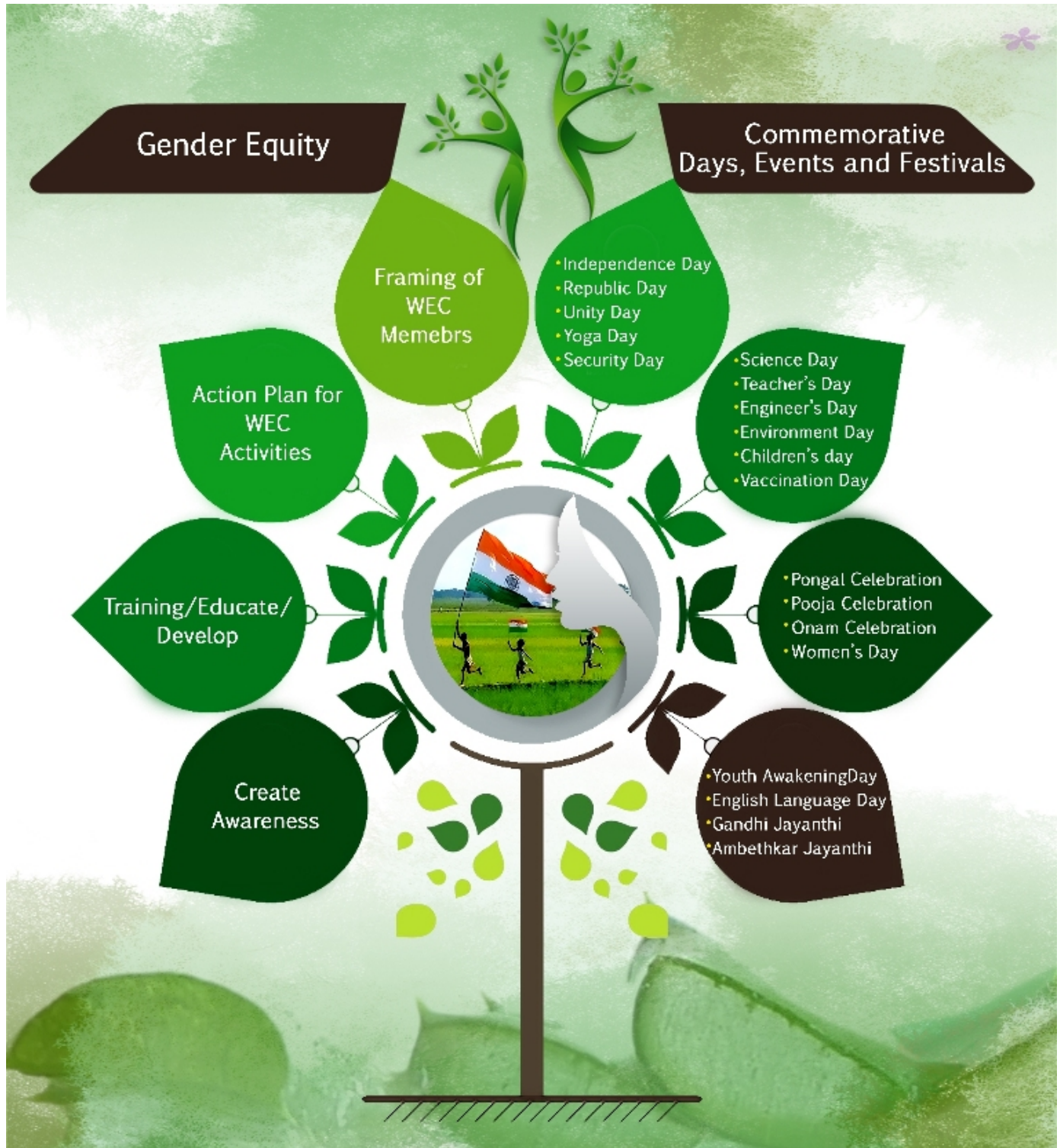
File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

7.1.2 The Institution has facilities and initiatives for

1. **Alternate sources of energy and energy conservation measures**
2. **Management of the various types of degradable and nondegradable waste**
3. **Water conservation**
4. **Green campus initiatives**
5. **Disabled-friendly, barrier free environment**

Response: A. 4 or All of the above

File Description	Document
Upload supporting document	[View Document](#)

7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

1. **Green audit / Environment audit**
2. **Energy audit**
3. **Clean and green campus initiatives**
4. **Beyond the campus environmental promotion activities**

Response: A. All of the above

File Description	Document
Upload supporting document	[View Document](#)

7.1.4 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic diversity and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

TKEC is a secular campus which gives equal importance to all religions, languages and cultures. The students come from various socio economic and communal backgrounds. The Management and faculty create a sense of belonging in all of them. A multitude of efforts are taken to help the students adapt into the college mainstream and get the benefits of all the opportunities provided by the institution. In addition, the students are taught about their rights and responsibilities as dutiful citizens of this nation. They are encouraged to become responsible professionals who contribute to the well being of the nation.

Initiatives taken by our college to ensure tolerance, harmony, cultural, regional, linguistic, communal socioeconomic, values, rights duties and responsibilities:

- Celebrating the National festivals, seasonal festival changes student's attitude towards mother Earth and nature. Religious festivals teach students about the importance of family, tradition and values
- International festivals will create an increased cheerful ambiance and deepen the bonds with other races.

- Orientation to fresher's regarding college rules and regulations and the opportunities available during their course of study.
- Anti-ragging committee to support the freshers and help them adapt to their new campus.
- Equal opportunity to all students in both academics and Placement regardless of their religion, culture, gender and socio-economic background.
- The college celebrates Annual day, Sports day, Cultural day, and International Women's day etc., to give our students the opportunity to display their talents.
- Our NSS, YRC and Rotaract members take active participation in social development events like, medical camps, blood donation camps, and Awareness programmes in local schools.
- Our college premises are used to conduct Government programmes by the local Administrative Office, Government Primary Health Centre etc., for the benefit of our students and the general public.
- The local Regional Transport officer visit our college regularly to create awareness amongst students about the importance of safety in driving and wearing helmets.
- Value based sessions like Yoga, meditation, Universal Human Values, Ethical Behavior etc are instilled in our students through Guest Lectures, Motivational workshops and Seminars.
- The students are given awareness of their rights and duties as a responsible citizen with the support of Guest lecturers an awareness camps.
- The students are also advised to stay away from unethical behaviour, contra brands like alcohol, smoking and drugs. It is strictly prohibited inside the campus and violators will be counseled, warned and monitored till they mend their ways.
- Students are given awareness about the basic constitutional rights and their rights to use the college campus for acquiring academic knowledge.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

Response:

Motto

"Not me but you" "SERVICE TO SOCIETY" is the NSS and YRC's motto or catchphrase. It emphasizes how a person's welfare ultimately depends on the welfare of society as a whole.

Title of the Practice - I

Innovative Teaching and Training for rural student's to develop Employability skills.

Objectives of the Practice

- To train the students on life skills, professional, ethical attitude, teamwork and good communication skills to improve their performances to build a career.
- To develop positive environment for students and teachers to share innovative ideas to meet challenges.
- Through personality development to empower students to upgrade and to use their talents, interests and passions.

The Context

- TKEC is located in Mecheri town panchayat. The locals are economically underprivileged. The majority of students live below poverty line

- TKEC aims to boost entrepreneurship, creativity, productivity, and boost employment.
- Students from this background need additional training to acquire the skills expected to compete.
- Education is the fundamental right of every citizen because it promotes empowerment and ensures development benefits. Education can be used for the upliftment of society.

The Practice:

- Soft skills, Language and communication skills, Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills/ training programme
- The personality development programme has been conducted in the college and mandatory for every year students. Trainers from various organizations gives training to the students which includes Communication, Time Management Strategies, Body Language & Etiquette, Goal Setting, Presentation Skills, Develop Confidence, Leadership Skills, Stress Management, Master Your Mind, Work Life Balance, and Decision Making Skills.
- Students have been allowed to attend the internship program during vacation to develop their interaction towards industry.
- Industrial visits have been arranged by the institution for all students every year to make them to explore the industrial activities.
- Employment skills training programme and value added programmes
- Classrooms and laboratories are ICT Enabled
- Cutting edge technology based labs and Virtual Lab
- Multiple choice questions based online tests for aptitude building
- The Institute provides financial assistance to faculty members to attend national and International conferences

Evidence of Success

- Continuous improvement in academic results
- The skill development strategy which is outlined above has proven to be very effective and more students are trained and are placed in many reputed companies.
- Students develop a variety of skills; on top of it a strong sense of self-confidence in handling tough situations and challenges gets boosted.
- The success rate in placement and higher education has been increased considerably year by year.

Problems Encountered and resource required

- Some of the students, though capable, couldn't afford the training due to their economic background where, the college supports those students by extending financial assistance.
- Retention of the experienced faculty members.
- Decline in inclination towards technical education
- To provide training along with university curriculum is tough task due to extensive syllabus,
- Lack of awareness of the students about changing industrial environment and needs.
- Lack of motivation toward entrepreneurship.

Notes (optional)

- As far as required resources are concerned, the affiliating university should incorporate training on soft skills, employability skills and entrepreneurial programmes in its curriculum.
- Professional trainers for conducting the training resources to conduct the training i.e., video lectures on topics in communication and aptitude, on-line exams for practice purpose, company specific mock tests, etc.

Title of the Practice: II

Social awareness and upliftment campaign through National Service Scheme (NSS), Youth Red Cross (YRC) and Rotaract Club.

Objectives of the Practice

- To understand the Humanity, Impartiality, Neutrality, Independent, Unity and Voluntary Service.
- To identify the needs and problems of the community with a sense of social and civic responsibility
- To utilize their knowledge in finding practical solution to individual and community problems
- To acquire leadership qualities.

The Context

- The NSS, YRC and Rotaract unit of the College actively participated in various programmes.
- The volunteers gained experience working with rural residents to spread awareness of blood donation, good hygiene and illness prevention.

The Practice

- Planning of community activities each academic year.
- NSS unit, YRC unit and Rotaract carry out the community services activities with fullest cooperation of faculty and student members of the college.
- Service is provided to the public and parents at occasions when and wherever possible.
- Volunteers carry out the solid waste management training, international white cane day contribution, Tree plantation, Green India Mission, Drug awareness, Independence day rally, Free Eye Camp, Clean India Mission, Safety Measures for Corona, Health Hygiene for Municipality Women Workers, COVID 19 Vaccination Camp for Public, Dengue Awareness, Guidance programme on facing public examination, Programme on Energy Conservation, Swachh Bharath Awareness Mission, Rain Water Harvesting and Awareness on higher education, Aids awareness rally.

Evidence of Success

- The main outcome of the NSS, YRC and Rotaract club (NYR) is to help the students to gain a democratic attitude along with the confidence to become leaders and learn the social problems faced by villagers.
- NYR helps in awareness on higher education rally Programme to aid rural student perceptions on higher education.
- The role of community participation in prevention of dengue fever, promotion of Clean Campus which promotes hygiene, Census of population and housing, Road safety awareness, Rally for Rivers are some events.
- Created awareness about the importance of voting among people.

Problems Encountered

- One of the major problems is that the goals and objectives of the NSS, YRC and Rotaract club are people have high expectations and at the same time, volunteers do not have all resources at their disposal.
- There should be strong selection test conducted while selecting the students volunteer for the NSS Camp. Importance of NSS activities should be conducted for the parents of NSS volunteers.
- Pre awareness program about the activities to be performed, before performing the activities and students should study the village problems before visiting the NSS Camp.
- Sufficient fund should be given by higher authority for successful conduction of the activities and University person should visit the camp location.

Notes (optional)

- Many students join NSS, YRC and Rotaract club because of having interest in social work, some students join to know about NSS, YRC and Rotaract club, some students join NSS just for experience and few of them join for Certification.

File Description	Document
Any other relevant information	[View Document](#)
Best practices as hosted on the Institutional website	[View Document](#)

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

The Kavery Engineering College (TKEC) is affiliated to Anna University, Chennai with the guidelines of AICTE and the curriculum is strictly adhered to the curriculum prescribed by Anna University for the 10 UG courses of Engineering, 6 PG courses on Engineering and MBA & MCA courses. The Vision, Mission and Quality Policy of the institution are all oriented towards the holistic development of the student, which is evident during admissions. TKEC is the most preferred college and almost 90% of the seats are filled from the 70% of economically poorer & below poverty students. The institution's focus has been to impart quality education coupled with overall development of the Students. To achieve this, the Institution encourages all students to participate in various activities:

- TKEC makes continual attempts to fulfill its social responsibility to rural students, primarily first-generation learners, to pursue higher education and achieve greater success, both professionally and economically.
- The college's has been founded to offer career prospects for the area's rural residents.
- All the students are benefited by the management scholarship based on their cutoff marks.

1. Excellence in Academics

- Efficient faculty members, interactive class rooms and well equipped, modernized laboratory practice sessions help us achieve the vision. TKEC has a strong IT enabled network. All the departments have ICT enabled class rooms. TKEC follows a well-structured Choice Based Credit System with a focus on Outcome Based Education in accordance with Anna University Curriculum. Elective courses are framed in accordance with the needs of the industry.

2. Student Centric Methods

- The Institutions make use of innovative teaching learning methodologies to enhance the learning experience of the students. The students receive a holistic education in training, Seminars, Workshops, Guest Lectures, Value Added Courses and soft skilled programmes.
- The faculty makes use of ICT tools like Power point presentations, Google class room, Online content, outbound training, flipped class rooms and blended learning to enhance their knowledge.

3. Soft Skill training

Soft Skill training is working on communication abilities, personality traits, personal attributes, etc. which

are significant professionally and socially. These skills assist students with a lot of things in the workplace. Soft skills play a significant role in the success and growth of the individual. It is vital for the students to be capable to communicate well with others as every profession and role consists of interacting with the colleagues, superiors, clients, and others. Students with good soft skills are also very adaptable to the new role and environment irrespective of the field or industry. Soft skill training helps them to improve their personal attributes along with communication abilities.

4. Training and Placement

TKEC has signed Memorandum of Understanding (MoUs) with more than 30 industries and companies. TKEC provides various training activities for the students through its Placement and Training Cell. Over 80 % of the students are placed in reputed multinational companies every year. TKEC also motivates students to pursue higher education and helps them in their preparation for GATE and all other competitive examinations.

5. Student Support System to enhance employable skills

TKEC provide innumerable support and provide ample opportunities to help the students develop the requisite skills and expertise to make them employable graduates. The Training & Placement Cell guides the students to develop their ability to articulate their skills and domain knowledge to the prospective employers. Training module is designed to compete with the industry expectation.

6. Service Learning

Students are participating in local community development activities such as, visits to social welfare centers, cleaning campaigns, tree plantation programmes, eye, blood camp and the distribution of free food and clothing. Students can also learn about the harsh facts of life, acquire social skills and become responsible through these student-led programmes.

7. Entrepreneurship Programs

TKEC have organized Entrepreneurship Awareness Camps, Entrepreneurship Development Programs, Women Entrepreneurship Development Programs and Technology based Entrepreneurship Development Programme to promote and strengthen the students in Science and Technology entrepreneurship.

Other Support Systems

Various scholarships are offered by the institution to enable students to obtain education they may not have access to otherwise. TKEC alumni base is yet another support group that makes a lot of positive contribution in terms of curriculum design and placement.

File Description	Document
Appropriate web in the Institutional website	[View Document](#)
Any other relevant information	[View Document](#)

5. CONCLUSION

Additional Information :

The motto of our institution is Creativity, Success, Excellence. The primary objective of this educational institution is to impart value based and industry exposed education to the rural youth of our country. All our academic practices focuses on Student centric programs comprising, traditional, contemporary as well as global practices in academic, co-curricular, extra-curricular and sports activities for all round development.

Our college maintains green campus, free from vehicular pollution inside the campus. College owns its own transport system, all our staff and students are allowed to travel by our college buses. Our students have represented in National level, University Level and Zonal Level and won medals various games and events.

Placement related training for the students starts from the very beginning of the first semester. Soft-skills and communication skills are included in the regular time-table to train the students. Industry persons are called for delivering guest lectures.

Remedial classes are conducted for the students to improve the performance of students in all subjects. These classes are conducted for students having poor performance i.e. for slow learners. During remedial classes subject content are again taught with more simplification and related difficulties are solved.

All the buildings and roads within the college campus are garlanded with tall trees and landscapes to maintain pollution free environment. The solid waste generated within the campus is used as bio fertilizers for the plants and trees. Part of power required for the college is generated using roof top solar plants installed. The college has more than required standby power backup facility. The campus lighting is gradually being replaced with LED bulbs to reduce the power consumption. Water pits were constructed for rainwater harvesting. The college is moving towards cent percent plastic free campus.

The Internal Quality Assurance Cell (IQAC) of the Institution is formed which is chaired by the IQAC Coordinator and the Cell has started to monitor the attainment of Vision and Mission of the Institution. The Cell proposes necessary changes then and there for continuous improvement and quality assurance.

Concluding Remarks :

The College has a vision, which is in tune with our Founder's philanthropic thought of "Creativity, Success, Excellence". The ethical value system envisioned is reflected to promote technical education and uplift the rural community, by the process of allocating management seats to meritorious and economically deserving candidates through scholarship which the institution offers.

The abled leadership of the institute is well in tune with the Vision and Mission of the Institution. It is a firm belief that the growth in infrastructure, academics, research, co-curricular and extracurricular activities, activities on social and national issues for creating awareness as well as contributions in terms of activities of relevance to local community around the Institution, highly relevant to the present-day educational scenario in the country. Further the exercise of our faculty members in the data collection process including the documentary evidences wherever required has resulted in utmost accuracy. This will help us to improve further to benefit all our stakeholders, namely students, alumni, faculty, staff, academia, industries, society and the

nation at large. The descriptive summaries and the accompanying data under each criterion are a proof of the sincere efforts of the Institution in this direction which are keeping in line with the benefit of stakeholders which are achieved with the help of various dedicated committees. We shall not be complacent with our achievements. We will continuously fine-tune all the existing systems continuously with the best in the world to achieve high quality output benefitting all our stakeholders.

We are grateful to NAAC for providing this opportunity for self-assessment which will be a morale booster in accelerating our growth towards achieving engineering excellence. With this report we become competent to critically look at our SWOC we face. We will tirelessly work towards creating a system of higher education which will inculcate in the students the values of discipline, cooperation, equality, patriotism, professionalism, social responsibility and respect for people and principles.

We look forward to the visit of team of experts from NAAC not only to showcase our excellent ideas but also to seek suggestions and advices for making further improvements.