



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution		Karpagam College of Engineering
• Name of the Head of the institution		Dr. P. Vijayakumar
• Designation		Principal
• Does the institution function from its own campus?		Yes
• Phone No. of the Principal		04222619030
• Alternate phone No.		04222619005
• Mobile No. (Principal)		9894994643
• Registered e-mail ID (Principal)		principal@kce.ac.in
• Address		Othakkalmandapam
• City/Town		Coimbatore
• State/UT		Tamilnadu
• Pin Code		641032
2.Institutional status		
• Autonomous Status (Provide the date of conferment of Autonomy)		10/07/2010
• Type of Institution		Co-education
• Location		Rural

• Financial Status	UGC 2f and 12(B)				
• Name of the IQAC Co-ordinator/Director	Dr. S. Siva Subramanian				
• Phone No.	04222619005				
• Mobile No:	9677672310				
• IQAC e-mail ID	iqac@kce.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://kce.ac.in/internal-quality-assurance-cell-iqac/				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://kce.ac.in/academic-calendar/				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.32	2016	19/01/2016	31/12/2022
Cycle 2	A+	3.47	2022	27/12/2022	27/12/2027
6.Date of Establishment of IQAC			12/10/2015		
7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
Nil	Nil	Nil	Nil	-	
8.Provide details regarding the composition of the IQAC:					
• Upload the latest notification regarding the composition of the IQAC by the HEI	View File				
9.No. of IQAC meetings held during the year	3				

<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? 	Yes	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
10. Did IQAC receive funding from any funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> If yes, mention the amount 		
11. Significant contributions made by IQAC during the current year (maximum five bullets)		
Preparation and Submission of SSR for cycle 2 NAAC accreditation		
Acquisition of Autonomous extension from UGC		
Participation in NIRF ranking and ranked in 251-300 band		
Enrolment of Faculty and students in NPTEL courses as a part of knowledge enrichment process and received the "Valuable Local Chapter" award.		
Implementation of Revision in PG curriculum		
12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:		
Plan of Action	Achievements/Outcomes	
To introduce new programmes in computer science domain	The Programme, B.E. - Computer Science and Design was introduced.	
To obtain NBA accreditation for the following four programmes B.E - ECE, B.Tech. - IT, B.E. - Mechanical Engineering, B.E - EEE	NBA accreditation for 3 years has been acquired for the following programmes. B.E.- ECE, B.Tech.-IT, B.E - Mechanical Engineering, B.E - EEE	
13. Was the AQAR placed before the statutory body?	Yes	
<ul style="list-style-type: none"> Name of the statutory body 		

Name of the statutory body	Date of meeting(s)
Governing Council	08/01/2022

14. Was the institutional data submitted to AISHE ?

Yes

• Year

Year	Date of Submission
15/02/2023	15/02/2023

15. Multidisciplinary / interdisciplinary

The institution has implemented Choice Based Credit System (CBCS) for all programmes in 2015 and has ensured opportunities for the students to learn courses of their choice. CBCS allows students in deciding their academic goal and permits to alter it as they progress with their studies. Ample options are given to choose interdisciplinary courses from other Engineering disciplines which will help the student to gain additional knowledge. Interdisciplinary courses are offered as open elective courses, to make students multi-skilled and to make them versatile enough to suit any industry. To empower the students for innovation, the pivotal role in promoting interdisciplinary projects among the students from various departments is encouraged and due guidance is offered to students to convert the projects into products/ patents. Focused guidance and networking of interested students to disseminate and participate in State and National level competitions is encouraged. Apart from this, students are encouraged to take online courses like SWAYAM-NPTEL, MOOC, Virtual Labs through which students can hone their technical skills for Global competency.

16. Academic bank of credits (ABC):

Academic Bank of Credits, established on the lines of the National Academic Depository, 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, highly flexible and student-centric facility. The Institution is 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. The Institution follows Choice Based Credit System (CBCS) for all programmes and offers different categories of courses such as Basic Sciences, Humanities and Sciences, Engineering Sciences, Professional Core, Professional Elective, Open Elective and Employability Enhancement Courses by which students can earn credit. In view of NEP 2020, the new regulation is proposed in the institute to offer credit transfer and credit accumulation for the courses carried out by the students through online modes in platforms like swayam, NPTEL etc.

17.Skill development:

Importance of Skill development focused on National Education Policy (NEP) 2020 by Government of India, strides the nation towards youth building a strong foundation of knowledge on core concepts on their respective domain. The institution has a center for innovation "Karpagam Innovation Centre (KIC)" which boosts development of ideas into products. The Centre bridges the gap between R&D and product launching for commercialization. KIC works for entrepreneurial training and IPR facilitation. It encourages the involvement of students and faculty in start-up activities. The Centre organises Faculty Development Programmes, Skill Development Programmes and Entrepreneurship Development Programmes which initiates innovative student-faculty projects every year for new innovative product development which is funded by various funding agencies such as TNSCST, DST etc. Skill Development training involves identifying, developing, honing the skill gap which addresses the opportunities and challenges to cropping up new demands as well as changes in technology. Industry Institute Interaction Cell organises various seminars, guest lectures in our institution for the students to get benefited, equipped and motivated to participate in various events such as Smart India Hackathons, coding contests and Hackathons organised by various other institutions and industries. The institution aims to build and share resources including space and infrastructure, access to business support services, mentoring, training programmes to enhance the skills of entrepreneurs. Events like Startup weekends, DET Talk, helps students to have an awareness in entrepreneurship and Startups.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

Our Indian Tradition has a diverse field of area ranging from knowledge of ancient to modern India with respect to aspirations such as health, education, culture and environment. The knowledge on Indian traditional system is incorporated in curriculum. Courses titled 'Essence of Indian Traditional Knowledge' and 'Indian

Constitution' are offered as a mandatory course. Also, the national festivals play a vital role in seed of Indian culture, patriotism and nationalism, in order to disseminate these national festivals celebrated with great enthusiasm. It strongly educates the youth on our Indian constitutional frameworks & policies, ancient culture & tradition, practices, geography, heritage and lot more, which are offered through self-paced learning as well as online courses such as NPTEL, Coursera and Udemy. These courses provide augmentation of awareness, knowledge by promoting our enriched nation's culture and constitution.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

Four of the programmes offered are NBA accredited thereby the Graduate Attributes (POs) as highlighted in 'Washington Accord' are taken care in the formation of curriculum. The Outcome Based Education (OBE) within the framework of Choice Based Credit System (CBCS) also renders all the flexibility in devising the curriculum and syllabi. The institution is practicing Outcome Based Education by defining appropriate Program Specific Outcomes (PSOs) and Course Outcomes (COs) and for all programmes and courses offered. The Program Outcomes (POs) defined by AICTE is followed to assess the outcome attainment by graduates. At the end of the course, mapping of the laid-out COs to POs/ PSOs are carried out and attainment of the POs/ PSOs are meticulously evaluated through attainment of COs. The emerging technology is taught as value added courses which increase the employability of students. One credit course (Employability Enhancement Course) like Internship, Mini Project through which student understands industrial needs/ requirements and can enhance their skills for industrial employability.

20.Distance education/online education:

The institution desires to impart online education in view of NEP 2020 to upskill the knowledge for global competency through an online platform. In order to utilize the online resources, the pedagogy process is carried out through google classroom for each course offered. It contains a syllabus, course plan and soft copy of course material, course handout, and question bank/ previous end semester examination question papers which increase the effectiveness of the teaching-learning process. Faculty members and Students also use online resources like SWAYAM, NPTEL Coursera/ Udemy / MOOCs, and Moodle. The Platforms like Kahoot and Mentimeter are used to assess the understanding level of students while delivering the lecture itself.

Extended Profile

1.Programme	
1.1	16
Number of programmes offered during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
2.Student	
2.1	4010
Total number of students during the year:	
File Description	Documents
Institutional data in Prescribed format	View File
2.2	884
Number of outgoing / final year students during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
2.3	4010
Number of students who appeared for the examinations conducted by the institution during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1	566
Number of courses in all programmes during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.2	282
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File
3.3 Number of sanctioned posts for the year:	282
4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	929
4.2 Total number of Classrooms and Seminar halls	81
4.3 Total number of computers on campus for academic purposes	1510
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	910.97
Part B	
CURRICULAR ASPECTS	
1.1 - Curriculum Design and Development	
1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.	
<p>The institution is in its 21st year of operation and obtained autonomous status in 2010 with subsequent renewals. The institution's vision and mission are well defined taking into consideration the National/ Global requirements of graduates of the institution. Four of the UG programmes offered are NBA accredited thereby the Graduate Attributes (POs) as highlighted in 'Washington Accord' are taken care in the formulation of curricula and syllabi. All the courses offered have well defined Course Objectives and Course Outcomes (COs). Moreover Programme Specific Outcomes (PSOs) are also mentioned in the syllabus for every course. At the end of the course, mapping of the laid out COs to POs/ PSOs are done. The</p>	

Outcome Based Education (OBE) within the framework of Choice Based Credit System (CBCS) also renders all the flexibility in devising the curriculum and syllabi. The institution is situated in the industrial hub of Coimbatore and the valuable feedback from various stakeholders enables to have a broader perspective in understanding the industry needs and for national development. Being a NAAC accredited institution, the core values of NAAC are critically relevant to the institutional efforts of revising the curricula.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	http://kce.ac.in/naac/C1/AI/1.1.1b.pdf

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

3

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

566

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year**161**

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System**16**

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

For the development of the students of the institution as a holistic and true professional, the following are integrated into the curriculum, co-curricular and extra-curricular activities.

Many theory courses are offered for the development of professional ethics, Environment and Sustainability and appreciation of human values such as

- Principles of Management and Engineering Ethics
- Professional Practice, Law and Ethics
- Organizational Behavior
- Professional Ethics
- Environmental science for Engineers

While the institution provides equal opportunity for the professional development of girl students, there are certain

arrangements to ensure gender equity coupled with human values. The Women Development Centre is functioning since July 2011 and in coordination with Women Empower Committee provides the following to the girl students

- Counselling for the career advancement
- Awareness Programme on various aspects of parity in human activities
- Motivation for skill developments
- Enable to participate in community development activities.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

31

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

3223

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

4010

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://kce.ac.in/new/wp-content/uploads/2023/07/AR-21-22.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	https://kce.ac.in/new/wp-content/uploads/2023/08/2021-2022-1.pdf
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

1372

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

1313

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

The institution organizes Orientation programmes/Induction programmes for freshers both at the college level and at the department level during the commencement of the first year. The facilities in the college and the scope of the courses are introduced in these sessions. This process forms the base for monitoring the future progress of the students. The institution ensures interactive teaching-learning process through Language Lab, Mentoring, E-Content modules and Audio Visual Equipments. The Choice Based Credit System (CBCS) facilitates a flexible learning mechanism for students of different learning skills. The institution periodically assesses the learning performance of students through Continuous Assessment Tests, Assignments, Tutorials and End semester examinations. Based on the students' performance in the evaluation, the slow and advanced learners are identified and steps are taken to fulfill their needs and aspirations. The advanced learners are encouraged to participate in project development, take up skill development courses offered by NPTEL and paper presentations in conferences & Journals. As far as slow learners are concerned, extra coaching classes are conducted to help them improve their technical knowledge.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://kce.ac.in/naac/C2/AI/2.2.1b.pdf

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
30/04/2022	4010	282

File Description	Documents
Upload any additional information	View File

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:

The institution offers flexibility to students to choose the courses in each semester based on their career plan objective . A few of the courses offered by industry experts provide experiential learning for the students by bridging the gap between academia and industry. The faculty adopts different lecture delivery methods such as activity based learning, experiential learning and participative learning depending on the nature of the courses. Sharing of Best Practices in Teaching and Learning in Faculty meetings, tutorial sheets/ worksheets to improve problem solving ability, Peer assessment and coaching to enhance learning experience, Mini projects, video presentation by students, Study of Research papers are some of e-content initiatives. Lab sessions help in experiential learning and permit the students to widen their knowledge and skills. Tutorial classes are conducted which supplement regular teaching learning process and for better understanding with applications. Lectures by experts are organized by the departments, to provide knowledge beyond the prescribed syllabus. Students are motivated to organize and to participate in Inter-collegiate events and project. Internship and value-added courses are arranged to give hands-on experience to the students.

File Description	Documents
Upload any additional information	View File
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

All the classrooms in the institution are ICT enabled which enhances the teaching and learning experience. Each classroom has a LCD Projector, Computer with internet connection and Sound system. Smart classrooms enable visualization of real life application within class through online resources.

Some of the analytical courses are identified and enriched with contents for offering through smart classrooms. During pandemic, the institution adopted blended teaching which has both conventional and ICT enabled teaching. Faculty members prepare the lecture notes which includes real life application on the topic, lectures of subject experts and other relevant online resources. Through the above, faculty members blend the real life application in the course delivery and students appreciate the richness of the contents. Courses other than enrichment courses were offered in conventional method.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://kce.ac.in/new/wp-content/uploads/2022/05/IT-Smart-classroom-links.pdf
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

246

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

At the beginning of every academic year, an Academic handbook is prepared by the Dean (Academic) in consultation with all Directors/ HoDs of the institution. The printed copy of Academic handbook has the vision and mission of the institution as well as the details of the members of the Governing Council of the institution and academic calendar . Other relevant information such as the UG and PG programmes offered and the infrastructure facilities such as various Lab facilities available are given. For the benefit of the students, details about Academic administration and other committees are given. Further, Rules and regulations and the disciplinary matter as regards the inmates of the hostel are given. The important points for the laid down in Regulations which are relevant to students and operationalized during the academic year are furnished. It includes attendance requirements, passing requirements and the qualifying grades for the award of degree are mentioned. The handbook also includes the facilities in the Central Library and rules to be followed in the circulation of books and other reference material .

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full-time teachers against sanctioned posts during the year

282

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year**71**

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	View File

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)**1276**

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	No File Uploaded

2.5 - Evaluation Process and Reforms**2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year****23**

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year**5**

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

- Automated registration of courses, attendance monitoring, registration forexamination, Exam fees payment, generation of Hall Ticket.
- From ERP (performance module) CIA marks and attendance data are fetched by CoE server automatically for further processing.
- ESE scripts are allotted with bar coded dummy numbers before evaluation and bundled with 25 scripts each identified with an unique number.
- Evaluation of answer scripts, marks uploading are done using the login id credentials given to each of the evaluators (external).
- The server at CoE's office automatically integrates both internal as well as ESE marks towards declaration of the results.
- Fetching data of examiners for theory and practical, alongside assistant/ lab technician's credentials are stored and processed for paying the remuneration. This ICT integration reduced manual processing considerably.
- Students grievances on evaluation are easily handled with the system enabled retrieval of data.
- The software enables CoE for generation of a number of reports e.g., results processing, analysis of results for MIS, list preparation for forwarding to the University for the Award of degree,
- Hall plan/ seat allotments for the exam, is now attempted using the systems.
- A number of 'service request' from the students and graduates are now made easier with the ICT enabled systems

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://kce.ac.in/naac/C2/AI/2.5.3b.pdf

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

The college follows the Program Outcomes (POs) defined by National Board of Accreditation (NBA), New Delhi and are to be fulfilled by all the programs in higher education. The Programme Specific Outcomes (PSOs) and Programme Educational Objectives (PEOs) are framed by the Programme coordinator and other members of the Curriculum Development Cell (CDC), which upon reviewed by the Board of Studies (BoS) get approved by the Academic Council. The POs, PSOs, PEOs are displayed in

- College Website -www.kce.ac.in
- Proceedings of the Academic Council
- Display boards (HOD Room, Faculty Rooms, Class Rooms, Department Office, Library, Laboratories)
- Course Plan
- Academic Calendar
- KCE News Letter
- Department and library notice boards

They are also disseminated in

- First year students orientation programme
- Orientation programme (II, III, IV years)
- Faculty members, Parents and Alumni meetings
- Board of Studies meetings
- Department meetings

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	https://kce.ac.in/departments-of-electronics-and-communication-engineering/

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

Programme Outcomes (POs) attainment is computed based on the mapping of Course Outcomes (COs) to POs. The exercise is based on the pre-planned articulation matrix in the Course Plan. PSOs attainment are also computed in the similar way

Two assessment patterns have been followed by the institution to evaluate the students' attainment of POs and PSOs. They are namely

1. Direct Assessment which contributes to 75 % of POs/ PSOs Attainment
2. Indirect Assessment which contributes to 25 % of POs/ PSOs Attainment

The attainment of COs evaluated then and there, hence the students desired attainment at the end of the course is ensured.

1. For theory courses, marks from three CIAs, unit tests, assignments are taken into account.
2. For laboratory courses, marks from lab experiments, two model tests are taken into account.
3. For laboratory embedded theory courses, both the components mentioned in (i) and (ii) are taken into account.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://kce.ac.in/departments-of-electronics-and-communication-engineering/

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by

Institution**884**

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

<https://kce.ac.in/new/wp-content/uploads/2023/07/KCE-sss-report-analysis-2021-22.pdf>

RESEARCH, INNOVATIONS AND EXTENSION**3.1 - Promotion of Research and Facilities**

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

Research promotion policy of the institution aims to foster innovation and sustain quality excellence in Research and development. Faculty members are encouraged to apply for various funding agencies and pursue their research. The students and faculty are encouraged to break new ground in research and achieve first of a kind impact in technological applications/ designs/ institutional capabilities. The students will be encouraged to learn about the area of research through hands on practical problem-solving projects in collaboration with fellow student in other department and with faculty as supervisors/mentors. They are encouraged to involve in inter disciplinary/ multi-disciplinary/ research in finding scientific and technological solutions. The institution desires to build strong and robust research and innovation ecosystem by:

1. Providing generous seed funding to faculty to establish their laboratories and kick start their research.
2. Providing grant to faculty and students to enable them to participate and present papers in International Conferences /

Workshops.

3. Provide funding for start-ups to students and faculty members.
4. Provide cash incentives for faculty members in terms of percentage of grant received.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://kce.ac.in/file/Research-Policy.pdf
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research**3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)****6.16**

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year**0**

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	No File Uploaded
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

25.525

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

22

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://kce.ac.in/kce-research/
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

19

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

6

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.tanscst.tn.gov.in/
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

The institution has a Center for Innovation "Karpagam Innovation Centre (KIC)" which encourages development of indigenous products. The Centre bridges the gap between R&D and product launching for commercialization. KIC works for entrepreneurial training and IPR facilitation. It encourages the involvement of students and faculty in start-up activities. KIC ensures interaction between education and industry and alignment of education with market demands. The Centre organises Entrepreneurship Awareness Camps, Entrepreneurship Development Programmes, Faculty Development Programmes and Skill Development Programmes in the institution. The Centre initiates innovative student projects each year for new innovative product development. KIC organizes regular meetings with entrepreneurs which offers mentorship schemes to various budding student entrepreneurs. It believes that innovation blossoms through offering a wide scope of programs at one stop. The center is to provide Skill Development to the youth. KIC makes the innovative ideas to blossom into startups.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://kce.ac.in/infrastructure/national-innovation-and-start-up-policy/

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

114

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

7

File Description	Documents
URL to the research page on HEI website	https://kce.ac.in/kce-research/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

255

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

267

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

659

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University**3.4.6.1 - h-index of Scopus during the year****23**

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy**3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)****20.796**

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	View File

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year**4.159**

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	View File

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

The institution's aim is to transform the lives of the people and serve the society/ humanity around the institution in a better way and is committed to achieve this objective by way of various schemes and programmes conducted. The NSS unit concentrates on the welfare of the neighbourhood community and takes steps for the welfare betterment of the society. These social outreach programmes brought a great impact on the holistic development of the students as they come across different categories of people and their living standards.

The following activities were conducted to achieve the objectives.

1. In order to maintain cleanliness in and around the Campus and to create awareness about the role of clean environment in human health, voluntary activities were organized by students under the "National Swachh Bharat Abhiyan"
2. Adoption of nearby villages and schools .
3. Various programmes like Blood Donation Camps, Health Check-up Camps, Awareness about HIV/AIDS, Dental Check-up Camps were organized to sensitize people on health issues in the adopted village during NSS Special camp
4. To promote empathy among students, visit to orphanages and old age homes are arranged. They are supplied with necessary provisions and groceries.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://kce.ac.in/nss/

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

3

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	No File Uploaded

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

74

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

3801

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

29

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

54

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	View File
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	View File
Any additional information	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

The institution functions in the own lands of 28.23 acres with 86853.41 square feet buildings. The institution has facilities such as buildings, laboratories, hostels, playgrounds etc. The infrastructure facilities required for programmes offered is adhered to the requirement specified by statutory bodies namely AICTE and Anna University. Further the institution is certified by Anna University, Chennai with zero deficiency in both space requirements and equipments

All the classrooms in the institution are ICT enabled which enhances the teaching and learning experience. The classrooms are equipped with Smart board, Projector, Computer with internet connection and Sound systems. Smart classrooms enable visualization of real life application within class through online resources. The campus is Wi-fi enabled to facilitate e-learning. There are 10 Centre of Excellence across the institution to enable research culture among the students. Well equipped library with online video lecture

facilities through NPTEL, DELNET etc are available. Each department has a well equipped laboratories as per the requirement of AICTE.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://kce.ac.in/naac/C4/AI/4.1.1b.pdf

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

The institute aims to develop the future engineers/ technocrats/ entrepreneurs as 'holistic' persons. The academic excellence coupled with co-curricular and extra-curricular aspects play a vital role in the development of personality. Keeping the above in view, the Apex bodies such as AICTE/ Anna University stipulate the minimum facilities for any engineering institute. Keeping the requirements in view, Karpagam College of Engineering is enhanced upon to suitably provide all the infrastructure facilities for cultural activities, yoga, games (indoor, outdoor) and sports.

The institution has well equipped facilities for indoor and outdoor games at an area of 6 acres. It has an auditorium cum indoor stadium in an area of 1,115sq.m. with a seating capacity of 2000. It has an open air amphi-theatre which especially used for Cultural activities. Also Auditorium is used for cultural activities. Gym facilities are available with well equipped fitness equipments. An yoga centre is available in the campus to improve the mental well-being of the students

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://kce.ac.in/infrastructure/health-and-fitness/

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

81

File Description	Documents
Upload any additional information	No File Uploaded
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

264.97

File Description	Documents
Upload audited utilization statements	No File Uploaded
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

LMS software enables:

- Database - It enables to capture book data and form a database of books and journals in the library.
- Gate Entry Register System - Faculty/ Student scan the barcode of individual ID card in barcode scanner kept at the entrance of library. It enables to fetch footfalls data and visitors report on a daily/ weekly/ monthly basis.
- Online Public Access Catalogue - It enables faculty/ student to search the details of the required books/ journals by entering the title or author's name. It provides information regarding books/ journals availability, Publisher's name, Edition and Year of Publication.
- Book Circulation Management - Faculty/ Student can borrow books/ journals by scanning with their ID card. The system manages and stores the information of borrowers and helps to get data on day-to-day circulation of books/ journals.
- Report Generation for book transactions of Faculty/ Students, Transactions history of a particular book, etc., made available.

In 2019, when central library is fully automated, information such as Periodicals, Project reports and Back volume database are added in this version of LMS.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://kce.ac.in/library/

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	No File Uploaded

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

26.885

File Description	Documents
Audited statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e-journals during the year (Data Template)	View File

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

1080

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

A well thoughtout firewall policy is administered with various levels of security defined specifically for students, staff and administration. An online log register which records the online user is maintained.

Restrictions on the usage of the Internet is initiated through the firewall (SophosXG 22x GE RJ45 ports, 4x GE RJ45 with Bypass Protection, 8x GE SFP slots, 2x 10 GE SFP+ slots, SPU NP6 and CP8 hardware accelerated, 240 GB Internal onboard SSD storage.). The firewall policy is formulated to initiate Web Blocker, Intrusion Prevention System(IPS), Application Control, Anti- Spam , Antivirus and Proxy Avoidance etc.

All the students are provided access to the Wi-Fi facility through which the students are offered a large number of services like, MOODLES and online learning. Students are provided access to this facility through a registration process in which their personal details and device Ids are collected and kept in a separated log register. After the approval of the application an SMS with the details like user name and password will be sent to the user. Bandwidth of the usage and the time slot are configured and controlled through the JAZE.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
4010	1510

File Description	Documents
Upload any additional information	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	A. 250 Mbps
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File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	No File Uploaded

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	A. All four of the above
--	---------------------------------

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://kce.ac.in/naac/C4/AI/4.3.4c.pdf
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)
--

673.81

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	No File Uploaded

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.
--

All the physical, academic and support facilities in the campus are maintained and serviced by a team of employees coming under the Estate Department. The same is headed by a manager (administration). He is supported by section-wise field level in-charges. These support services are broadly classified as under:

- Civil maintenance
- Electrical maintenance including solar power
- Water support, sewage and STP
- Plumbing and RO facilities
- Housekeeping, cleanliness
- Gardening, landscaping and ambience
- Security (24*7), safety aspects.

Each of the above divisions is given well-defined work and they are regular in the up-keep, running, and maintenance of the above facilities. Further qualified person oversees the section' working to ensure trouble-free service availability. The institution which is functioning in a rural area has the locational advantage in getting suitable employees to work especially, in horticulture, conservation and housekeeping work. Thus rural employment is also created by the institution

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

2469

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

122

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	https://kce.ac.in/infrastructure/clubs/
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

4010

File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating

A. All of the above

awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

773

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

29

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	No File Uploaded

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

14

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

38

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The Institution encourages students' representation on both academic and administrative matters. The objective is to make the students participation in the development of the institution as well as in the process of developing their personality. Students representatives are there in the following academic and administrative bodies of the campus.

- IQAC
- Anti-Ragging Committee
- Complaints and Redressal Committee
- Common Course Committee
- Class Committee
- Department associations
- Mess Committee

The representation of students are thus varied falling under academic, administrative and statutory bodies in the institution. Their active participation enables them to develop into

holistic personality.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://kce.ac.in/internal-quality-assurance-cell-igac/

5.3.3 - Number of sports and cultural events / competitions organised by the institution

3

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Karpagam College of Engineering (KCE) has a registered Alumni Association under the Tamil Nadu Societies Registration Act, 1975 (Tamil Nadu Act 27 of 1975) which is registered on 31st December 2015. KCE Alumni Association was formed with an objective to maintain interactive, purposeful and live contact between alumni and Alma Mater. KCE alumni association also serves as a link between the management and the former student.

KCE Alumni Association coordinates and support the alumni activities to promote Institution's academic, industry interface, placement/internship, research, and outreach programs. Also facilitate to network with alumni, strengthen institutional affiliation and professional association. Alumni are recommended to stay connected with institution to guide, advocate and recommend, by leveraging their resource, talents to achieve department's goals and mission.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://kce.ac.in/alumni-success-stories/

5.4.2 - Alumni's financial contribution during the year

A. ? 15 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

The administration of the institution is led by the Governing Council. The managing trustee is the Chairman of the governing council and the Principal is the member secretary with one eminent person from AICTE, one UGC nominee, One from University, two eminent persons from industry and four senior faculties as members. The strategic plans of the institution framed are reflective on the Vision and Mission of the institution and by the needs of the corporate world, society and stakeholders. The governing council takes decisions regarding the introduction of new courses, augmentation of infrastructure, formulation and implementation of strategy for the future growth. The implementation process is further delegated to Heads of the departments for execution. The perspective academic plans are prepared by the Principal after discussion with the Dean / Director and the HODs. The academic calendar gives schedule for lesson planning, internal assessment tests, conferences, workshops, seminars, FDPs, club activities, sports day, graduation day, industrial visits, celebrations etc. In consultation with the Principal, HODs prepare the operational plan for their respective departments. Faculty members are assigned with the roles and responsibility to work in the environment with complete transparency.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://kce.ac.in/naac/C6/AI/6.1.1b.pdf

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

The institution has delegation of authority at various levels to provide functional autonomy. The Governing Council is the apex body and the delegation percolates down to various functional heads. The Managing Trustee is the Chairman of the Governing Council and the Principal is the Member Secretary who coordinates all the activities. The Governing Council has faculty representation through two senior professors nominated as members. Policy matters, be it infrastructure augmentation, investment in the laboratories, introduction of new programmes and financial policy are dealt in a participative manner.

The decentralization and participative management are practiced in all the activities. In the forum/ clubs like Technext forum, clubs, etc., the Principal as the head of the institution stands as the chairperson with a faculty as a coordinator and few faculty members and students as members. The activities are planned in advance after due brain storming sessions and upon approval by the management the events are executed accordingly. The follow up of the activities happens monthly and is seen to it, that the activities are properly documented.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	No File Uploaded
Paste link for additional Information	https://kce.ac.in/naac/C6/AI/6.1.2b.pdf

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The institutional strategic Plan for the next five years is prepared

by a series of discussions involving the various stake holders of the institute. It starts with the collection of the feedback from various stake holders and discussion at the college level involving the representatives of the management, Principal, Deans and Head of the Departments.

Thrust areas of Institution's strategic plan are given below:

1. Introducing innovative teaching-learning method like smart class rooms and campus wide availability of digital course content
2. Establishing Centres of Excellence in niche and emerging technologies and to enter into collaborative research through Industry - Institute partnerships
3. By instituting seed money for incubating projects and innovative products through its incubation centre
4. Improve academic interaction and participation of institutes/ universities of national and international eminence in order to facilitate learning, innovation and research
5. To develop strategies to retain quality faculty through incentives, enhanced research facilities and welfare measure

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://kce.ac.in/naac/C6/AI/6.2.1a.pdf
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

Governing Council: Roles of Administrators and Decision makers:

- Oversees for framing the Policy and objectives of the Institution.
- Effective control of the financial functions of the Institution.
- Overall responsibility for providing the resources like Human, Infrastructure, monetary support and other facilities.

Principal:

- The detailed preparation of a consolidated annual college

budget to addresses the strategic aims established by the governing council.

- Responsible for planning and implementing all academic activities like budget finalization, preparation of academic calendar, faculty and staff recruitment.
- Overall responsibility for communicating with AICTE, NBA, DOTE, NAAC, Anna University and other Statutory bodies and implementing guidelines provided by them.
- In charge of evaluating and monitoring the performance of various departments, conducting staff meeting and reporting to the Chairman.

Dean

- Responsible for the up-gradation of qualification of the faculty.
- Responsible for improving the research activities among the faculty.

Head of Departments:

- Ensure the adherence of code of conduct among students and faculty members of their respective departments. Responsible for work load allocation and implementation of the teaching learning process successfully.
- In consultation with Principal take appropriate corrective/preventive actions for the feedbacks given by both students and parents regarding student discipline and teaching learning progress.

File Description	Documents
Paste link to Organogram on the institution webpage	https://kce.ac.in/organizational-structre/
Upload any additional information	View File
Paste link for additional Information	NIL

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The teaching and non - teaching staff play a significant role in the growth of the institution and therefore the college is focusing on their contribution and recognize their needs and requirements. The physical and mental health of the employees is enriched by these welfare measures and thus nurtures a dynamic and encouraging work atmosphere. This improves the effectiveness of the teaching learning process and commitment to the job. The following list shows the various welfare initiatives of the institution

Avenues for Career Development and Progression:

1. Staffs are encouraged to pursue higher studies and completed staffs are promoted to next grade
2. Seed money is provided to carry out the research projects
3. Incentives for quality research publications and securing sponsored projects
4. Financial assistance for National/ International conferences/ workshops
5. Rewards for completion of NPTEL/online certification courses

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://kce.ac.in/file/KCE-policies-and-Regulations-2021.pdf#page=34

6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

138

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

27

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

248

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

There is a well-established accounts department under the control of the trust. Accounts personnel are posted in the department who routinely and systematically go about recording, verifying and tallying the day to day transactions connected with the financial

transactions. The accounts department uses "Tally" software for the purpose. Day book, journals, heads of different accounts are entered and regularly monitored for accuracy. The day book is tallied on a regular basis internal auditors conduct 'concurrent audit' and highlight errors, if noticed. The internal audit checks the transactions by receiving the papers / details from the finance officer. The financial transactions broadly covered are from a) Purchase b) Revenue on different programmes organized such as conferences, seminars, sports and cultural, administrative c) Construction activities d) Maintenance of the infrastructure facilities

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	NIL

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

55.24

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	View File
Any additional information	View File

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The institution is self-financed and the additional major requirement for funds is provided by the trust managing the institution. Funds through the student fees who are admitted as per regulations laid by the state government, Higher Education department is the major form of asset. Other sources of financial revenue include:

1. Consultancy fees
2. Research grants (Project) obtained from various agencies.

Financial decisions will be made after consideration of the need for

augmentation of campus infrastructure, the need for support and delivery of curriculum together with any additional tools and labs, the financial resources given to the college for up-keep of existing facilities and the priorities as identified in the college development plan for future needs Institution has been planning towards efficient use of budgeted fund for each academic year. According to the guidelines specified by the Management and Principal, report of sanctioned budget and actual expenses are periodically year wise maintained. The fund is ideally utilised for the Students, Staff, laboratory, infrastructure, Library, etc.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	NIL

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

Internal Quality Assurance Cell was formed in the institution in October 2015 with the objective to develop a system for conscious, consistent and catalytic improvement in the overall performance of the institution with the involvement of all stakeholders at all levels. Strategies of IQAC are as follows

- To ensure quality of academic programs.
- To integrate latest methods of teaching, learning and monitor its effect on the student's performance.
- To inculcate credibility and confidence procedure of evaluation among stakeholders.

Quality assurance strategy:

- Continuous learning assessment / students feedback on teaching
- Introducing lab embedded theory courses
- Introducing tutorial classes
- Mini projects
- Internship made mandator

Post accreditation quality initiatives:

- Curriculum revision with latest courses
- Smart class rooms
- Online credit earning
- NPTEL, coursera online courses
- Soft skills
- Value added courses
- EEC
- Academic audit strengthened

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

It is always our endeavour to monitor for improvement and take corrective measures in Teaching Learning and Evaluation (TLE) process. In order to strengthen the internal academic audit, a number of initiatives have been taken. The first step being auditing of course delivery and related records maintained by each member of faculty. Further Outcome Based Education (OBE) methodology is implemented with good spirit. In order to disseminate the OBE contents, workshops are periodically organised for the benefit of staff members. Rigorous scrutiny of the evaluation process is attempted such as question paper setting, answer key preparation, evaluation of scripts and also mapping of course outcomes/ program outcomes for attainment of program educational objectives. This being an on-going exercise, Internal Academic Audit (IAA) is taking responsibility of continuously monitoring the TLE process.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other

A. Any 4 or all of the above

institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

File Description	Documents
Paste the web link of annual reports of the Institution	https://kce.ac.in/internal-quality-assurance-cell-igac/
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

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 during the year

The institution aims to be a safe campus for women students and faculty by grooming each and every student irrespective of their gender to be self-reliant, specialists in their chosen discipline, continuous learners, effective communicators, respect different cultures, aware of their social and civic responsibilities, sensitive to gender issues with zero tolerance towards sexual harassment, women safety and security and environmental conscious. One of the objectives of this Institution is to promote education that would cater to the needs of the society with special emphasis on gender equality and gender sensitivity. Students of both the genders are given equal opportunities to grow and develop into able, responsible citizens.

The College has Women Development Cell (WDC) with an objective to motivate the girl students in skill development and improve career progression with self reliant.

And also to create awareness on aspects of campus life and safety. Prevention of Sexual Harassment (POSH), a cell to prevent sexual harassment is operating in the campus since 2013 to ensure the female students and working faculty are free from sexual harassment issues. Also it take care of fundamental rights of a woman to gender

equity under Article 14 of the constitution

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://kce.ac.in/naac/C7/AI/7.1.1a.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

The different wastes generated in the campus are vegetable/ food waste, paper waste, E waste, dry - organic waste (leaves) and liquid waste/ sewage. The Institution has taken initiatives to segregate the solid waste at source as degradable and non-degradable wastes. Maximum waste generated is recycled and reused. For the same, all housekeeping staffs are trained to segregate waste at source before the waste is dumped for disposal. In KCE solid waste is managed by contractors who are allowed to collect the food and vegetable wastes for the livestock farm and it is being used as fodder. The Liquid waste generated from the food courts/Mess and washrooms are treated at the Moving Bed Bio Film Reactor Sewage Treatment Plant (STP) functioning inside the campus with a capacity of 500KLD. The treated water is used for gardening and watering the plants spread across the campus. The e-wastes like empty toners, cartridges, scrap computers and other electronic items are collected and classified as scrap, ensuring their safe recycling entrusted to the vendors in the city.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

- 1.Restricted entry of automobiles**
- 2.Use of bicycles/ Battery-powered vehicles**
- 3.Pedestrian-friendly pathways**
- 4.Ban on use of plastic**
- 5.Landscaping**

A. Any 4 or All of the above

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	A. Any 4 or all of the above										
<table> <tr> <th data-bbox="86 692 552 757">File Description</th><th data-bbox="552 692 1477 757">Documents</th></tr> <tr> <td data-bbox="86 757 552 898">Reports on environment and energy audits submitted by the auditing agency</td><td data-bbox="552 757 1477 898">View File</td></tr> <tr> <td data-bbox="86 898 552 1003">Certification by the auditing agency</td><td data-bbox="552 898 1477 1003">View File</td></tr> <tr> <td data-bbox="86 1003 552 1108">Certificates of the awards received</td><td data-bbox="552 1003 1477 1108">No File Uploaded</td></tr> <tr> <td data-bbox="86 1108 552 1173">Any other relevant information</td><td data-bbox="552 1108 1477 1173">No File Uploaded</td></tr> </table>	File Description	Documents	Reports on environment and energy audits submitted by the auditing agency	View File	Certification by the auditing agency	View File	Certificates of the awards received	No File Uploaded	Any other relevant information	No File Uploaded	
File Description	Documents										
Reports on environment and energy audits submitted by the auditing agency	View File										
Certification by the auditing agency	View File										
Certificates of the awards received	No File Uploaded										
Any other relevant information	No File Uploaded										
7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.	A. Any 4 or all of the above										

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

The Institution takes efforts for conducting events that highlight the cultural heritage of the state of Tamilnadu. We do believe in unity in diversity that is reflected by the diverse student and staff population. The institution celebrates different festivals with joy and enthusiasm which help to impart social and religious harmony. Tolerance and harmony to cultural, regional, linguistic, communal ,socioeconomic and other diversities is best achieved by celebrating Diwali, Pongal, Onam, Christmas, Ramzan.

The techno cultural fest DHRUVA that is held every year is an inter collegiate meet wherein workshops, project display, non-technical events are conducted thereby enabling cultural/ academic caring and sharing. Sports meet for faculty member is intramural held to improve bonding between them. Various clubs at the campus also support and propagate the idea of diverse cultures.

An inter college technofest exclusively for first year UG students is conducted every year under the name KALAM. This platform enables the students from first year to showcase their talents and mix freely with the counterparts of other institutions.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

The fundamental duties and responsibilities of a citizen of India cited in the constitution is: We must obey our Country laws by with regards to the National Anthem and National Flag, protect the integrity, unity and power of our Country, paying our excises, protection of public assets, with trustworthiness, preserve and protect our cultural inheritance sites, safeguard, preserve and expand the natural environment, we must protect our country, to uphold the spirit of a mutual brotherhood, we must respect, value and follow all the noble ideals used in the national struggle for freedom, etc. The institution conducts special lectures on "Knowing about Constitution" where subject experts enlighten the students about the importance of the Indian constitution. The institution takes pride in the fact that apart from preparing a sound academic foundation to the students, the Institution constantly works upon to develop them as good citizens of the country. The institution is organizing various activities to sensitize students and employees to the constitutional obligation: Values, Rights, Duties and responsibilities of the citizens. In this regard, KCE apart from imparting professional education, inculcates a feeling of oneness among the student community through various practices and programs.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	No File Uploaded

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized

A. All of the above

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

National festivals plays a vital role in planting seed of Patriotism and Nationalism. The institution celebrates these events with great enthusiasm to commemorate the ideology of nationalism and to pay tribute to our great National Leaders. The Students, Faculty and Staff of the Institution all come together under one place to celebrate every occasions and spread the important message of Unity, Peace, Love and Happiness to all. The important days celebrated are:

- Republic Day (26th January)
- International Women's Day (8th March)
- World environment day (5th June)
- International Yoga Day (21st June)
- Independence Day (15th August)
- Teachers' day (5th September) As birthday of great teacher Dr. Sarvepalli Radhakrishnan
- Engineers' day (15th September) the Birth anniversary of Sir M. Visvesvaraya.
- NSS day (24th September)

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the

prescribed format of NAAC

"Faculty Research Seminars for quality Publications".

The main objective behind this strategy is to create research interest among the budding faculty members. Through this they can formulate a view and ideas on the thematic field so as to narrow down their areas and to enable them to choose a topic of their interest.

The research seminar is conducted in each department once every week where faculty present their ideas in front of the department faculty members. During the presentation colleagues in the department give their ideas which help the faculty to improvise the basic idea. After completion of the round 1 the faculty member presents the proceedings towards their research topic in the round 2 of the research seminar. This cycle continues until the faculty converts the research topic into a journal/ conference article. The faculty is then facilitated to identify whether the faculty has submitted the article in a reputed journal/ conference that are indexed either in SCOPUS, WoS or SCI database.

The improvement in the quality of journal/ conference publications is an evidence of success. Industry consultancy and sponsored research is steered by the institution research committee, connecting the academia and the industries.

File Description	Documents
Best practices in the Institutional website	https://kce.ac.in/naac/C7/AI/7.2.1b.pdf
Any other relevant information	NIL

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

Post admitted in KCE, the students undergo 14 days induction program YUVA where they unwind themselves from the groove of schooling. Students begin their first semester by opting for foreign languages like Japanese, French and German. These courses brighten the prospect for higher education in foreign universities. Students are free to choose courses of their choice under CBCS having a set of

mandatory credits that are to be earned and become eligible for a degree. Each semester students learn courses that are useful for their profession growth. The syllabus is framed keeping in mind with the current trends. Syllabi are reframed under various regulations to keep them abreast of the technological developments. Students are given courses that are framed in association with industry. Experts from industries handle course to keep the students aware of real time examples and case studies. The number of courses offered by the industries and are partially delivered by the experts from the industries has gone up from 7 in 2016 to 14 in 2021.

As an Industry Connected Institution, KCE has attracted the attention of the industry and the education fraternity to Centre of Excellences on training, research and innovation in the trending and emerging domains like alternate fuels, Reverse Engineering & Additive Manufacturing, Composite materials, Industrial IoT, BPM, Data Analytics, NI LabVIEW etc. These CoE's which operate with the support of the Industries opens a wide door of opportunities to the students to engage in real time projects, innovate to incubate at Karpagam Innovation Centre (KIC).

File Description	Documents
Appropriate link in the institutional website	https://kce.ac.in/new/wp-content/uploads/2022/07/Institution-Distinctiveness.pdf
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

- To introduce placement training from First year onwards.
- To apply for NBA accreditations for the 3 UG Programmes of B.E - Civil Engineering, B.E. - Electronics and Telecommunication Engineering, and B.E. - Computer Science Engineering.
- To frame curriculum and syllabi for the Regulation 2023 in accordance with evolving technologies.
- To improve core placement training across all the UG programmes
- Implementation of NAAN MUDHALVAN , Tamilnadu Government Skill enhancement Programme scheme- across all the Programmes
- To improve the Institute-Industry Interaction by signing MoUs and followed up Internships.