



YEARLY STATUS REPORT - 2020-2021

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	Shri. P. Sundaram				
• Phone No.	04222619005				
• Mobile No:	8056128236				
• IQAC e-mail ID	iqac@kce.ac.in				
3.Website address (Web link of the AQAR (Previous Academic Year)	https://kce.ac.in/new/wp-content/uploads/2021/09/KCE-AQAR-2019-20.pdf				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	http://kce.ac.in/naac/C2/SD/2.3.4/2020-2021/2020-2021.pdf				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.32	2016	19/01/2016	18/01/2021
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	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		
• Were the minutes of IQAC meeting(s) and			Yes		

compliance to the decisions taken uploaded on the institutional website?		
<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)		
Motivation for increasing Publication in Journals and conferences by the faculty and students		
Effective on-line Teaching Learning and Evaluation process.		
37 value-added courses offered for imparting transferable and life skills benefitting 3221 students		
Covid appropriate policy implementation and monitoring		
Implementation of Online TLE process auditing		
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	The following programmes have been introduced from the academic year 2020-2021 ? B.Tech. Artificial Intelligence and Data Science ? B.E. Computer Science and Engineering (Cyber Security) ? B.E. Computer Science and Technology	
To focus more on research and Development of faculty and student community	The journal publication increased from 176 in 2019 to 275 in 2020.	
13. Was the AQAR placed before the statutory body?	Yes	

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Council	07/08/2021

14. Was the institutional data submitted to AISHE ?

Yes

- Year

Year	Date of Submission
11/02/2020	11/02/2020

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, Employability and Enhancement Courses by which students can earn credit. In view of NEP 2020, the new Regulation R2022 is proposed in the institution to offer credit transfer and credit accumulation for the Courses carried out by the students through online modes in the 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 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):

Five 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 Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) and for all programmes and courses offered. At the end of the course, mapping of the laid out COs to POs/ PSOs are carried out and attainment of the POs/ PSOs 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 up skill 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 examinations 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	15
Number of programmes offered during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
2.Student	
2.1	3570
Total number of students during the year:	
File Description	Documents
Institutional data in Prescribed format	View File
2.2	1036
Number of outgoing / final year students during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
2.3	3570
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	543
Number of courses in all programmes during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.2	301

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:	301
4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	596
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):	589.44

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.

The Institution is Autonomous and affiliated to Anna University, Chennai. The institution has implemented Outcome-Based Education (OBE) across all programmes since 2015. Structure of the curriculum is developed based on the guidelines given by the Apex bodies like AICTE and UGC and drawing inputs from professional organisations. Suggestions from stakeholders are considered while framing the curriculum and syllabi. Graduate Attributes prescribed by National Board of Accreditation (NBA) are considered while framing the Programme Educational Objectives (PEOs) and, Programme Specific Outcomes (PSOs).

The curricula of UG/PG programmes prepared by Curriculum development Cell (CDC) and reviewed and put up by the Board of Studies (BoS) is approved by the Academic Council. The BoS reviews the curriculum and syllabi, and provides suggestions for improvement. Subsequently the Academic Council reviews and approves the curriculum. The curriculum is revised based on the valuable inputs from the Stakeholders, industry needs by the departments and relevance to the regional/national/global developments with well-defined and measurable learning objectives and outcomes. As the Apex bodies/ accrediting institutions keep the national global needs in their policy, the institution's effort in framing the curricula and syllabi following these policies laid down in order to have relevance to national and global requirements.

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

4

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

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

543

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	View File
Any additional information	View File

1.2 - Academic Flexibility

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

362

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

15

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

The institution makes all efforts to improve students behavioural and ethical levels across all the aspects on Gender, Human Values,

Environment and sustainability. The curriculum contains various courses in all the programmes relevant to these matters.

A course on Professional Ethics is offered to the students to learn ethical behaviour and improve their professional duties. This course creates awareness on ethics, Social Values and Loyalty and to know about human relations and respecting the rights of others.

Environmental Science and Engineering is a mandatory course to all programs. This course creates awareness on protection for environment and ecology in preserving the natural resources and the need to control pollution. Also, it integrates themes on various natural resources, knowledge on the types of pollution, various control methods, understanding the environmental issues. The impacts of human population on the environment, preservation of resources and sustenance methods on developmental activities are also included.

Indian Constitution and Essence of Indian Traditional Knowledge are mandatory courses for all programs. The Salient features and characteristics of the Constitution of India are conveyed to the students. The course provides the scheme of the fundamental rights, fundamental duties and their legal status. Students are educated to make use of legal directions in developing solutions to societal issues. Essence of Indian Traditional Knowledge focusses on Indian philosophical, linguistic and artistic traditions, along with yoga for holistic/ spiritual well-being.

Moreover, institution organizes various awareness programs and events through the NSS unit to make the students understand about Human values, Environmental protection and Gender parity.

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

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**3227**

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**3570**

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/feedback-analysis-and-action-taken-report/
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/feedback-analysis-and-action-taken-report/
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

1075

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)

463

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.

Based on the students performance in the CIA tests, Assignment, class interaction, lab performance, students are classified as slow learners and advanced learners. The Choice Based Credit System (CBCS) facilitates a flexible learning mechanism for students of differing learning skills across all the programmes. Students

identified/ enlisted as slow learners are provided with remedial coaching, special guidance, extra lectures etc. and as a result of this, slow learners are able to successfully pass the qualifying examination with good grades. Thus slow learners are given all supports needed to mainstream them with remedial programmes conducted outside regular class hours, additional resource materials are provided to these students for preparation.

In the case of advanced learners, they are given freedom to earn extra credits through online courses. They are motivated to aim for reaching a higher level of academic progression. They are encouraged to take up online courses in NPTEL related to their field of study. Additional classes and mock tests are conducted with a view to help them crack GATE, TOEFL, IELTS examinations and prepare them for competitive examinations. They are given opportunities for paper presentation in academic meets and also access to research labs outside the campus enabling research work. Advanced learners are also given the opportunity to participate in summer projects and internships additionally.

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
31/07/2021	3570	301

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 CBCS offered in the institution gives flexibility for students to choose courses in each semester based on their career plan, pace of learning and preference for faculty. A few of the courses offered by industry experts provide experiential learning for the students

by bridging the gap between academia and industry. 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. Students are encouraged to participate in Inter-collegiate events/projects. Internship and value added courses are arranged to give hands-on experience to the students. In the participative learning, students are encouraged to participate in the class seminars, group discussion and debates. Problem solving methodologies for these courses are taught with tutorial sessions, assignments and open book tests. In order to develop and enrich students' creativity and critical thinking industrial projects are taken up. Few courses use Google Class Room wherein the class notes, video lectures, PPT and quiz for all the topics have been uploaded.

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

The ICT enabled class rooms enable faculty to deliver course contents with ease and effectively. The LCD projector in classroom facilitates presentations and show course related video contents to improve the learning process. Smart classes use all interactive modules like videos ,presentations and become appealing to students who are aligned with traditional methods. Google Classroom makes it easy to check on student work viz. to post course contents, conduct quizzes, maintain lab records and assignments. From the Student Work screen, real-time progress can be viewed by clicking on any student's assignment thumbnail thereby getting an overall comprehension of students academic performance.

Teachers use NPTEL videos as one of the tools to make the classroom teaching effective. Every year, teachers and students are encouraged to learn NPTEL courses in their domain for knowledge enhancement. Teachers also use Vlab as a resource to showcase the practical component of the courses handled. Coding skills of the students are developed by the faculty members from the first year from basic to advanced level.

E-resources like Moodle, MIT openware, MIT MOOC videos, Udemy, Coursera, edX, Udacity, Online coding Applications, VLab, You Tube videos, Hacker rank, kahoot, Mentimeter, are used to further enhance the teaching and learning process.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://kce.ac.in/department-of-mechanical-engineering/
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

255

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 calendar is prepared by the Dean(Academic) in consultation with all Directors/ HoDs of the institution. This document elaborates all the major events/ activities to be carried out date-wise. Almost all of the administrative/ academic activities are pre-planned and a printed copy is given to each of the faculty members as well as the students. The same is web-hosted in the institution's website for reference of all concerned. Care is taken to fulfill the mandatory working days(90) for each semester besides planning all the important International/ National days of importance for celebrations. Further, Plan for International Conferences, Seminars besides date of celebrations of National/ religious harmony are incorporated. The academic calendar also contains the dates of re-opening, CIA tests, ESE dates,.etc excluding the Government declared holidays/ weekly holidays.

At the department level, Faculty timetable/ workload is meticulously

planned according to the above schedule. Deviation/ Shortfall, if any would be compensated by working on Saturdays. The institutional arrangement of having Continuous Academic Audit (independently) ensures the adherence of the above stipulations and remedial action concurrently.

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

301

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

58

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)

1303

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

25

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

0

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

Various stages of the examination system is integrated using IT platform in the institution. The institution is provided with latest hardware/ software support for this purpose. The ERP system supplied by M/s Veradis Technologies is used for the Examination Management System (EMS) in the institution. A few of the system integrated examination processes are:

- Automated registration of courses, attendance monitoring,

registration for the examination, Exam fees payment, generation of Hall Ticket.

- From ERP (performance module) the 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 a unique number.
- Evaluation of answer scripts, marks uploading are done using the login id credentials given to each of the evaluators.
- The server at CoE's office automatically integrates both internal as well as ESE marks towards for processing in order to declare the results.
- Fetching data of examiners for theory and similarly for 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, revaluation and finality.
- 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.

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 institution follow the Program Outcomes (POs), Graduate attributes defined by National Board of Accreditation (NBA). 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 review by the Board of Studies (BoS) get approved by the Academic Council. The POs, PSOs, PEOs are disseminated across

- College Website -www.kce.ac.in
- Compendium of each Regulation proceedings
- Display boards (HOD Room, Faculty Rooms, Class Rooms,

Department Office, Library, Laboratories)

- Course Plan
- Academic Calendar
- Department notice board

These are also popularised through

- Board of Studies meetings
- Department meetings

Bloom's Taxonomy is applied to map the course outcomes to varying levels of cognitive skills and is then mapped with PO and PSO. The course outcomes are stated in

- The Syllabus of all courses
- CIA question papers

This is briefed at the commencement of the class for each course.

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/department-of-electronics-and-communication-engineering/

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

The POs and PSOs are made achievable and attainable with the well structured curriculum at the institution. The curriculum/ syllabi is designed such that it covers all the PO/PSO. The Course Outcomes of each course is mapped to the POs and PSOs with the level of being strongly correlated (3), moderately correlated (2) and weakly Correlated (1). The levels of POs and PSOs are determined by the weightage used for assessing the outcomes in each course. The curriculum correlates with all the Programme Outcomes/Program Specific outcomes. The quantitative assessment is carried out to measure th Cos which are mapped to the program outcomes/Program Specific outcomes. Thus the PO/PSO attainment is calculated for all the courses. To improve the performance appropriate new strategies are created by the Program Assessment Committee (PAC).

Direct Assessment is carried out by using the following compartments

1. Continuous Internal Assessment
2. Unit test
3. Assignment/ Quiz/ etc.
4. End Semester Examination

Indirect Assessment is contributed by the following surveys:

1. Course End Survey
2. Program Exit Survey
3. Alumni Survey

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

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

1036

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/2023/08/KCE-sss-report-analysis-2020-21.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 assistance from 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 are encouraged to learn about the area of research through hands on practical problems/ 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 through,

1. Providing generous seed money to faculty to establish laboratories and kick start research.
2. Providing grant to faculty and students to participate and present papers in International Conferences / Workshops.
3. Provide funding for start-ups to students and faculty members and
4. Reward for Publications.

The faculty and students are given freedom to choose research area of their choice and guidance is given to seek funding from various funding agencies as well as industries. The institution encourages the faculty by providing incentives for publications, writing books and filing patents. The policy for research is well defined and is hosted on the institution webpage.

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/new/wp-content/uploads/2020/03/KCE Policies Rules-Last-amended-on-August-2019.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)****26.52**

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**1**

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
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)****61.82**

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	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

37

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

21

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

9

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://kce.ac.in/kce-research/
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 established "Karpagam Innovation Centre (KIC)" which encourages development of indigenous technologies. KIC works for entrepreneurial training and IPR facilitation. It promotes start-up activities with active participation of students and faculty members.

Karpagam Entrepreneurship Development Cell, (KEDC) was established by the institution in the year 2004. Ever since its inception, the cell has embarked on its flagship programme of continuous innovative methodology. At the same time, the cell also concentrates on the rural fronts so as to develop the potential of the rural youth and harness their traditional mindset towards productive use. KEDC empowers the youth with entrepreneurial skills and creates awareness on entrepreneur opportunities and to develop entrepreneurship skills. 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.

Four departments are recognised as research centres by Anna University, Chennai. These research centres are with the potential in guiding scholars, ensuring publication in quality journals and in creating a conducive environment for carrying out research.

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

42

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

6

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

287

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

241

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

441

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

10

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)

36.51

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

22.81

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

Promotion of social welfare schemes of the Government like Swachh Bharat Abhyan, Run for Unity, Go Green Day were carried out under outreach programmes of the institution. Awareness programme regarding Human Rights, Traffic Rules, Digital India, Women Empowerment, Tree Plantation, Youth Leadership Camps etc. were

organized through NSS unit. Workshops on gender sensitization and women safety were organized regularly by the Women Development Cell in the institution.

1. Extension Activities for Community issues

Unnat Bharath Abhiyan, Swatch Bharath - Blood Donation Camp, plantation of Saplings, Painting and Renovation of school buildings, Digital literacy, Orphanage and old age home visit has been conducted by NSS. NSS organized awareness programs on road safety, environmental awareness and other community services for the benefit of society. YRC has conducted camps for eye and stem cell donation, training for school students and voters awareness rally.

2. Extension Activities for Environment issues

The Nature club has conducted awareness programs on conservation of energy and the ways to use energy efficiently.

3. Extension Activities for Gender disparity:

Women Development Cell (WDC) has organized various programs on women's health, safety issues, problems of working women and health camps. Needles to add that Coimbatore is declared as one of the safest place for women in the country and the female are treated at par in the society.

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

27

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)

60

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

2543

File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded

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

37

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)

30

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 is approved by AICTE and functioning under the supervision of the affiliating university (Anna University). There are certain requirements/ stipulations to be met out as per their requirements of the statutory bodies

The institution functions in own land having an extent of 28.24 Acre. The facilities involve 83 classrooms and 94 laboratories

The following facilities are available to cater to the teaching-learning processes

- All classrooms are equipped with ICT facilities
- All the departments are provided with desktops with Internet and LAN
- Wi-fi enabled campus to facilitate e-learning

The institution has 94 laboratories and out of which 60 laboratories with latest hardware and software facilities based on the curriculum

- There are 10 centers of excellence which facilitates learning innovation among students
- Pan campus Wi-Fi Connectivity powered with 200 MBPS lease line enables students to pursue learning initiatives away from the classrooms as well which facilitates promotion and motivation students to self-learning
- Online video lectures are available through NPTEL, DELNET and Webinar etc.
- Learning Management System is available and used extensively for placement

- Each Department has well-equipped laboratories over and above the mandatory requirements AICTE
- Totally 1735 computer systems are available for the students use.

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 institution has an auditorium with total seating capacity of 2000 students. Here Cultural activities are conducted in addition to the club activities. The cultural activities organized nurture the students creativity and showcase their unique talents

An yoga centre is available in the campus to improve the mental well-being of the students. The Institution celebrates International Yoga Day which helps to enhance awareness among students.

The institution also has well equipped facilities for indoor and outdoor games facilities at an area of 6 acres. For outdoor games the courts have been laid down with standard specifications both for Men & Women students. The institution has an auditorium cum indoor stadium in an area of 12,000 Sq. feet

Gym is another central facility which is available in the institution. The gym is fully equipped with essential fitness equipments.

Other facilities available are an amphi theatre, food court, three hostels, Stationery, Photocopy shop. Medical facilities is provided to the students, faculty and staff members having tie up with Karpagam Faculty of Medical Science and Research.

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)

55.19

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)

The institution has a central library with 45353 Text books, 1981 reference books, 1114 e-books, 5000+ e-journals, 3622 CD & Video, 7421 back volumes, 3031 projects and 849 question banks. The library has institutional membership with:

- CSI- Computer Society of India
- DELNET- Developing Library Network (DELNET)
- Springer

- Institution of Engineers (India)
- IEEE- The Institute of Electrical and Electronics Engineers
- IETE- The Institution of Electronics and Telecommunication
- ISTE- The Indian Society for Technical Education

Further, the central library is facilitated with OPAC (Online Public Access Catalogue) to retrieve information and access resources of library using several access points. The library is also equipped with reading rooms with a seating capacity of 70 seats. Apart from central library Individual departments are also equipped with their own libraries.

- Name of the ILMS software : KCELMS
- Nature of automation (full or partial) : Partial
- Version : 4.2
- Year of automation : 2012

Facilities Available in the library include

- Fully computerized bar-coded circulation services (Issue, Return and Renewal of books)
- Reference services (Encyclopaedia, Dictionary, Yearbooks, Handbooks and Previous year question papers)
- Online full text access to International journals
- Bar-coded User Entry System
- Digital Library section with high speed Internet access facility to access the DELNET, NPTEL, E-books and other online resources

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- A. Any 4 or more of the above journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

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)

10.16

File Description	Documents
Audited statements of accounts	View File
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

750

File Description	Documents
Upload details of library usage by teachers and students	No File Uploaded
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

- The institution manages and administers its network through its Central Computing Facility (CCF) Unit.
- All devices connecting to the Institution network shall be centrally registered.
- The configuration and operation of devices connecting to the Institution network must comply with all applicable security policies, procedures and practices.
- Devices connected to the network shall be reviewed on a

regular basis for the latest operating system and application security patches applicable to that device as well as latest anti-virus software.

Firewall Policy

A well thought out 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.

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
3570	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

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)

385.23

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

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 of the physical, 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, captive power**
- **Water support, sewage, STP**
- **Plumbing and RO facilities**
- **Carpentry**
- **Central Computing Facility (CCF)**
- **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 personnel oversee the sections' working to ensure availability of trouble-free service. The institution which is functioning in rural area has the locational advantage in getting suitable employees to work especially in horticulture, conservation and housekeeping work.

However the ICT facilities are monitored and serviced by the CCF. Usual periodic maintenance work is attended by the Lab technicians and wherever the hi-tech equipments are involved the same is brought under the AMC with the supplier/ manufacturer.

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

2385

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

94

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

3570

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

A. All of the above

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	No File Uploaded
Upload any additional information	View File

5.2 - Student Progression

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

710

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

31

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

10

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

25

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 has a dynamic "Students council" and the office bearers are nominated by the institution with a well-defined policy. The council plays a vital role in the organising various cultural activities and functions in the institution besides representing various committees.

The institution encourages students representation in both academic and administrative bodies which enables to create a better academic environment. Students opinions/ suggestions are considered in making decisions thereby their involvement and active role gives a sense of belongingness.

The objective is to make the students participate in the development of the institution as well as in the process of developing their personality, organising skills and career. The student members represent in the following committees:

- Common Course Committee
- Class Committee
- Office bearers of associations
- Anti-Ragging Committee
- Mess Committee
- BOS

- Nominees in IQAC
- Members of Quality Circle
- Women Development Cell
- Complaints and Redressal Committee

The representations 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. Besides developing leadership, their participation inculcate tolerance, adoptability and team spirit

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://kce.ac.in/file/Non-Statutory-Body.pdf

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

30

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

The Institution has a registered Alumni Association under the Tamil Nadu Societies Registration Act, 1975 and rules 1978 (Tamil Nadu Act 27 of 1975) which was registered on 31st December 2015. The alumni association is known as "KCE Alumni Association". The association updates the Alumni member data for all the batches graduated periodically and update the current status of the members.

Alumni contribute both financially and otherwise over the years for the growth and development of the institution. Alumni members across different disciplines and industries offer to their juniors

- Career guidance
- Practical tips and current industrial trends in the field
- Need of skillsets to remain relevant to industries
- Career opportunity available in India and abroad

Alumni also contribute in the design and development of curriculum and syllabi as members on the Board of Studies (BoS) of the programmes as well as in the Academic Council. The purpose of having a proactive alumni association is a two way process. As a reciprocal gesture, the institution has taken an initiative to recognize the achievements of Alumni and award them as icons of KCE in three categories namely,

- Societal Impact Award
- Professional Excellence Award and
- Dynamic Entrepreneur Award

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 (GC). The managing trustee is the chairman of the governing council and the Principal is the member secretary. GC has one eminent scholar nominated by AICTE, two from industry and four senior faculty as members. The strategic plans of the institute are reflective of the Vision and Mission of the institute and based on the needs of corporate world, society and stakeholders. The

governing council takes decisions regarding 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 annual academic plans are prepared by the Principal after discussion with the Dean / Director and the HODs. The academic calendar gives schedule of lesson planning, internal assessment tests, club activities, 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 an environment with complete transparency. The Principal in consultation with the administration, gets the guidance of GC for leading the institution. The management ensures a conducive working environment for the faculty to do excellent work.

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 administration is decentralized to a great extent by a delegation of responsibilities to Deans/Directors, Heads of Departments. Periodical meetings of the constituted committees are held to plan, execute, monitor and evaluate the intended activities both for the current academic year and for the next year. The benchmark is set for every activity to ensure quality administration through concerted efforts of all stakeholders.

The role and functions of the Board of Studies and Academic Council are utilised to function effectively. The faculty members are involved in decision making in the academic process of TLE. At the Department level, the Head of the Department holds the responsibility of motivating and mobilizing the opinion, suggestion and feedback from the faculty members at all aspects of administration and academics. The HoD then forward it to the Principal and then to the management for facilitating the process of decision making for implementation.

Faculty members hold various administrative positions in addition to academic roles as follows: Deans, HoDs, Members of Academic Council, Governing council – thus creating a platform for the faculty to be actively involved in decision making. Programme Assessment Committee (PAC) in the departments meet regularly and assess the academic progression effectiveness.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
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 institution being autonomous has freedom and commitment that all students after graduation be a quality professional. The emphasis is on measured outcomes. All the programmes of the institution are employing the principles of Outcome-Based Education (OBE). PEOs (Programme educational objectives) / POs (Programme outcomes) are well defined, populated and understood by all. Similarly, for all the courses, course objectives and outcomes are well defined. The evaluation process for all the courses are mapped with COs. An articulated matrix for the POsis prepared which helps to decide the attainment of the programme. The process is meticulously implemented and the attainment of an immediate graduated batch would be used to fine tune the academic activities.

. 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 product / patents. Focused guidance and networking of interested students to disseminate and participate in State and National level competitions is encouraged and students have bagged prizes in Smart india Hackathon, and other innovation contests. During the academic year 2020-21, through the "Tech Next forum" sixteen patents are filed.

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.
- Overall responsibility for providing the resources like Human, Infrastructure, monetary support and other facilities.

Principal:

- The detailed preparation of a consolidated annual college budget which addresses the strategic aims and targets 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, Anna University and other Statutory bodies and implementing / executing the instructions / guidelines provided by them.
- In charge of evaluating and monitoring the performance of various departments and reporting to the Chairman.
- To motivate and encourage students to excel in various academic, co-curricular & extracurricular activities.

Dean

- Responsible for the up-gradation of qualification of the faculty.
- Responsible for faculty publications in refereed journals.

Head of Departments:

- Ensure the discipline among students and faculty members of

their respective departments. Responsible for 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/naac/C6/AI/6.2.2b.pdf
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 institute and therefore the college is focussing their productiveness and recognizing their needs and requirements. As a policy, the institution is implementing various effective welfare schemes. 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 employee productivity and commitment to their job.

Teaching

PF and Gratuity

Free medical facility,

Group insurance,

Subsidised hostel accommodation

Subsidised Transportation facilities

Concession in tuition fee for doing higher studies in group institutions Non teaching

PF and Gratuity

Free medical facility,

Group insurance,

Subsidised hostel accommodation

Subsidised Transportation facilities Students

Free medical facility,

Group Insurance

Recreational facilities,

Scholarships/ fees concessions,

Assistance for government and Non Government scholarships,

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

177

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

36

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.)

301

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

The institution is self-financed and the management is administered through the Governing council. The promoter is "Karpagam Charity Trust" with Dr.R.Vasanthakumar as the managing trustee. The managing trustee is the chairman of the Governing council of the institution.

The institution has arrangement for internal audit and accounts maintenance. External audit as required as per the act is regularly carried out and returns submitted to Income tax authority within the prescribed time every year. The appointment of auditors and finalisation of accounts are done by the trust.

During Internal Audit, the vouchers are audited. Software 'Tally' is employed for the purpose. The expenses incurred under different heads are thoroughly checked by verifying the bills and vouchers. If any discrepancy is found, the same is brought to the notice of accounts officer for remedial action. The institutions account book is audited by chartered accountant regularly as per the government rules. The auditor ensures that all payments are duly authorized and after the audit an report is sent to the management for review. Any queries, in the process of audit are attended immediately along with the supporting documents. The audited statement is duly signed by the trustee and chartered accountants for submission.

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)

31.86

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

Mobilisation of funds

The institution is self-financed and the additional requirements of funds is provided by the trust. Funds through the student fees is one of the major sources, collected as per regulations laid by the

state government, Higher Education department.

Other sources of revenue include:

1. Consultancy fees
2. Fees from conferences, workshop, seminars organized by the Institution (Participation fees).
3. Research grants (Project) obtained from various sponsors.

Utilisation of funds

The budgeted fund is utilised for purchase and maintenance of equipment and machines required. The purchase of equipments, machines and software is done by purchase committee. Whenever the requirement for purchase of equipment arises, the department head gives a requisition to the principal. After the principals perusal, it is forwarded to the trust for approval. The approved purchase requirement is handed over to the purchase committee. The committee invites quotes from companies and finalizes the vendor on the basis of quality, service support, product specifications and price. Finally, the purchase committee places the purchase order for procurement of the equipment. Further, the fund is used for the payment of salary towards teaching, non-teaching and administrative staff. The management also supports the faculty by providing registration fee for attending conferences, workshop, FDP

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)

Quality assurance strategy:

- Continuous learning assessment / students feedback on teaching
- Offering bridge courses for lateral entry students
- Coaching for slow learners
- Fast tracking advanced learners

- Mini projects/Internships

Post accreditation quality initiatives:

- Curriculum revision with industry relevant courses
- Smart class rooms
- Online credits earning from NPTEL courses
- Value added courses
- Strengthening of Academic audit

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

- To ensure quality in academic programs.
- To integrate modern methods of teaching and learning and monitor its effect on the students performance.
- To instil confidence and credibility of evaluation procedure among stakeholders.

The other initiative is the establishment of Centre for Excellence in Learning and Teaching (CELT), which organises regular programmes to motivate, enlighten and build confidence on professional teaching for the staff members. Further the students are grouped based on their performance in Continuous Internal Assessment (CIA) as slow/ normal/ fast learners. Various initiatives catering to the requirement of these groups are put in place.

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

- Online mode of Teaching Learning and Evaluation Process

The prevailing pandemic situation has warranted to the faculty and the students to explore the alternate mode of Teaching, Learning and Evaluation. Handling of the online classes are mostly using Google Meet and the contents, quiz are hosted in Google classroom, The lab

sessions are demonstrated and carried out using the softwares and vlabs. The examinations are carried out using the Aspiring minds portal. The Internal Audit Team constantly monitors this process and suggests corrective actions if needed.

- IAA/ External Academic Audit

IQAC undertakes Academic Audit to monitor and evaluate the institutional TLE processes through systematic internal and external reviews. The academic audits enable programmes and the institution to evaluate the quality processes and standards based on predetermined benchmarks and also to suggest activities required to produce, assure, and regularly improve the quality of the whole system in place including curricular and co-curricular programmes and activities and the infrastructure and support services. The internal Academic Audit (IAA) is carried out by the team of internal faculty members drawn from various departments. The Administrative Academic Audit (AAA) is carried out with the external peers/ experts who have experience in academic quality systems, processes and strategies

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://kce.ac.in/naac/C6/AI/EAAA.pdf

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

A. Any 4 or all of the above

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	No File Uploaded

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 groom students to be self-reliant, specialists in their chosen discipline, continuous learners, sensitive to gender issues with zero tolerance towards sexual harassment, women safety and security and also environmental conscious. Objective of the institution is to provide technical education that would cater to the needs of society with special emphasis on gender equality. Students of both the genders are given equal opportunities to grow and develop into able, responsible citizens. The Women Development Cell (WDC) was inaugurated on 26th of July 2011 and Women empowerment Committee has been functioning along with WDC since January 2013. The committee comprises women faculty and students. The main objectives are:

- To provide counselling to the female students.
- To give awareness on aspects of campus life and safety.
- To motivate and groom for skill development.
- To improve career progression and make self-reliant.

Prevention Of Sexual Harassment (POSH), a cell to prevent the sexual harassment was inaugurated in KCE on 1st of August 2013 that organises awareness programs and guest lectures regarding "Prevention of Sexual Harassment". POSH takes care of the fundamental right 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 institution does not generate any biomedical hazardous/ radioactive materials. The other types of wastes are handled as given below

Solid Waste Management

In the institution, solid waste from dry leaves is predominant. The same Bio-degradable and food waste as well from canteen and mess are collected in pits and covered. Over a period of time the waste gets converted into manure by natural process and is used for the plants inside the campus. Use of plastics is banned in the campus. The little plastic waste found is collected along with metal scrap and wooden wastes are given to authorized scrap agents periodically.

Liquid waste management

Aware of the need for water conservation, complete water recycling process and the Liquid waste generated from the food courts/Mess and washrooms are treated at the Moving Bed BioFilm Reactor Sewage Treatment Plant (STP) functioning inside the campus with a capacity of 500 KLD.

e-waste management

The e-wastes like empty toners, cartridges, outmoded computers and electronic items are gathered and sold to registered vendors who do the disposal in accordance with the norms.

Waste recycling system

The grey water from the STP is used for gardening and for watering the plants in the campus.

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:

A. Any 4 or All of the above

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

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:

A. Any 4 or all of the above

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions/awards
5. Beyond the campus environmental promotional activities

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

A. Any 4 or all of the above

reading materials, screen reading, etc.

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).

In the institution over 3800 students along with over 300 faculty and staff members come from various backgrounds. The institution takes efforts in providing an inclusive environment for all the students and employees. Tolerance and Harmony to cultural and regional diversities is achieved by celebrating Diwali, Pongal, Onam, Christmas. Techno cultural fest DHRUVA is held every year. Sports meet for faculty members is also held to improve bonding between them. Students clubs in the campus also support and propagate the idea of diverse cultures. Techno cultural (inter collegiate) fest DHRUVA has given opportunities to students across the state and backgrounds to showcase their rich talents. An inter college techno fest 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 peers. During KALAM events such as cricket tournaments, kabaddi, carving, drawing, painting, singing, dancing, fun games etc in order to encourage cultural diversity and active involvement of the students.

The students from rural background and from middle income groups form a major chunk. We conduct orientation, bridge courses and coaching for them in order to bring them into an level.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded

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

The institution takes initiatives in organizing programmes for moulding the students and staff to become responsible citizens of the country. The college encourages them to take part in blood donation camps organized at the Karpagam Faculty of Medical Sciences and Research. The institution also conducts special lectures on "Move towards constitution" where subject experts enlighten the students about the importance of the Indian constitution and how we must work in united to save the nation. Special lectures enlighten the students about their rights and duties being the responsible citizens. Swachh Bharat Abhiyan has also been an important initiative taken up here where students create awareness among the locals so as to maintain cleanliness in their surroundings. The college has also conducted a Voter awareness programme for all the students and were sensitized about their constitutional obligations for voting.

Constitution day is celebrated on 26th November every year. The programme initiates with preamble reading of the constitution, followed by lectures on the sensitization of students on responsibility towards the constitutional values, rights, duties and responsibilities of citizens. The students from R2018 have been mandated to study courses on Indian constitution, Indian traditional knowledge in accordance with the recommendations of UGC/AICTE.

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 play an important role in planting the seed of Nationalism and Patriotism among us. The institution celebrates these events with great enthusiasm to commemorate the ideology of nationalism and to pay tribute to our great National Leaders.

The institution celebrates 26th January i.e., Republic Day, every year, commemorating the adoption of Indian constitution. This day reminds about the constitution of the country and the need to abide by it at all times. Independence Day is celebrated every year on 15th of August with the same zest & zeal, where parades and flag hoisting is organized and is celebrated to mark freedom of India. The college celebrates International Yoga Day on 21st of June every year. The yoga Instructor organizes the yoga camp and a short speech is conducted to make everyone aware on how Yoga embodies unity of mind and body; thought and action; restraint and fulfilment. October 2nd is celebrated as international day of non-violence. International Womens day is celebrated on March 8th with various events organized. Keeping its values intact, college imparts right kind of education based on moral values & ethics which makes our students responsible citizens

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	View File

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

Best Practice-1

1. Title of the Practice

Continuous Internal Academic Audit.

2. The Practice

The institution has established the IQAC in 2015. Under the umbrella of IQAC, a team of faculty members with domain specific knowledge carry out the auditing. At the end of every CIA each faculty submits the Course File containing Course materials, question papers, keys for the Question Papers, Scheme of evaluation, result analysis and sample Answer scripts for Auditing. Faculty are provided with the feedback about the shortcomings/ deviations in the course delivery and evaluation. Faculty are required to give their compliance report based on the feedback towards remedial action wherever possible.

Best Practice-2

1. Title of the Practice

Nurturing Innovative Ideas from students.

2. The Practice

As soon as the fresher enter the campus C-Expo is arranged in order to orient their creative thinking. Then, motivational speech will be supplemented for their "Design Thinking". Afterwards "Ideation" contest for them is organized in phases. Creative ideas are screened and shortlisted. The ideas will be validated and subsequently mentor assigned for further viable studies towards commercialization as a product/ patent.

File Description	Documents
Best practices in the Institutional website	https://kce.ac.in/internal-quality-assurance-cell-igac/
Any other relevant information	<u>NIL</u>

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)

Academia Industry Collaboration could be path breaking method aiming to get the full potential with mutual cooperation.

The institute has strategically partnered with industry to update syllabus, introduce industry-based electives and facilitate internships in industry for students. It has established Centres of Excellence in collaboration with industry for various research and development projects. The training and career relevant skills prepare students to meet expectations of industry.

- As mentioned, the role of industry comes even at the initial stage of curriculum framing.
- Faculty with experience are sent to industries wherein they interact and understand the needs which help to frame the syllabus that is in line with overall industry requirements.
- After framing the syllabus, faculty member undergo training in the industry where they gain practical knowledge to handle the courses.
- This practice enables the institution to synchronise with the government policies especially skill development, entrepreneurship and MSME sector .
- The evidence of success lies in obtaining internships, training and placement for the students in those companies with whom we signed MoU.
- Many students have benefitted of this opportunity and have received internship and/ or placements.

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.

The Institution is Autonomous and affiliated to Anna University, Chennai. The institution has implemented Outcome-Based Education (OBE) across all programmes since 2015. Structure of the curriculum is developed based on the guidelines given by the Apex bodies like AICTE and UGC and drawing inputs from professional organisations. Suggestions from stakeholders are considered while framing the curriculum and syllabi. Graduate Attributes prescribed by National Board of Accreditation (NBA) are considered while framing the Programme Educational Objectives (PEOs) and, Programme Specific Outcomes (PSOs).

The curricula of UG/PG programmes prepared by Curriculum development Cell (CDC) and reviewed and put up by the Board of Studies (BoS) is approved by the Academic Council. The BoS reviews the curriculum and syllabi, and provides suggestions for improvement. Subsequently the Academic Council reviews and approves the curriculum. The curriculum is revised based on the valuable inputs from the Stakeholders, industry needs by the departments and relevance to the regional/national/global developments with well-defined and measurable learning objectives and outcomes. As the Apex bodies/ accrediting institutions keep the national global needs in their policy, the institution's effort in framing the curricula and syllabi following these policies laid down in order to have relevance to national and global requirements.

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

4

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

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

543

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	View File
Any additional information	View File

1.2 - Academic Flexibility

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

362

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

15

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

The institution makes all efforts to improve students behavioural and ethical levels across all the aspects on Gender, Human Values, Environment and sustainability. The curriculum contains various courses in all the programmes relevant to these matters.

A course on Professional Ethics is offered to the students to learn ethical behaviour and improve their professional duties. This course creates awareness on ethics, Social Values and Loyalty and to know about human relations and respecting the rights of others.

Environmental Science and Engineering is a mandatory course to all programs. This course creates awareness on protection for environment and ecology in preserving the natural resources and the need to control pollution. Also, it integrates themes on various natural resources, knowledge on the types of pollution, various control methods, understanding the environmental issues. The impacts of human population on the environment, preservation of resources and sustenance methods on developmental activities are also included.

Indian Constitution and Essence of Indian Traditional Knowledge are mandatory courses for all programs. The Salient features and characteristics of the Constitution of India are conveyed to the students. The course provides the scheme of the fundamental rights, fundamental duties and their legal status. Students are educated to make use of legal directions in developing solutions to societal issues. Essence of Indian Traditional Knowledge focusses on Indian philosophical, linguistic and artistic traditions, along with yoga for holistic/ spiritual well-being.

Moreover, institution organizes various awareness programs and events through the NSS unit to make the students understand about

Human values, Environmental protection and Gender parity.

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**37**

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**3227**

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**3570**

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								
<table> <tr> <th data-bbox="97 353 547 421">File Description</th><th data-bbox="547 353 1437 421">Documents</th></tr> <tr> <td data-bbox="97 421 547 566">Provide the URL for stakeholders' feedback report</td><td data-bbox="547 421 1437 566">https://kce.ac.in/feedback-analysis-and-action-taken-report/</td></tr> <tr> <td data-bbox="97 566 547 790">Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management</td><td data-bbox="547 566 1437 790">View File</td></tr> <tr> <td data-bbox="97 790 547 857">Any additional information</td><td data-bbox="547 790 1437 857">View File</td></tr> </table>	File Description	Documents	Provide the URL for stakeholders' feedback report	https://kce.ac.in/feedback-analysis-and-action-taken-report/	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	
File Description	Documents								
Provide the URL for stakeholders' feedback report	https://kce.ac.in/feedback-analysis-and-action-taken-report/								
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								
<table> <tr> <th data-bbox="97 1037 547 1104">File Description</th><th data-bbox="547 1037 1437 1104">Documents</th></tr> <tr> <td data-bbox="97 1104 547 1249">Provide URL for stakeholders' feedback report</td><td data-bbox="547 1104 1437 1249">https://kce.ac.in/feedback-analysis-and-action-taken-report/</td></tr> <tr> <td data-bbox="97 1249 547 1317">Any additional information</td><td data-bbox="547 1249 1437 1317">View File</td></tr> </table>	File Description	Documents	Provide URL for stakeholders' feedback report	https://kce.ac.in/feedback-analysis-and-action-taken-report/	Any additional information	View File			
File Description	Documents								
Provide URL for stakeholders' feedback report	https://kce.ac.in/feedback-analysis-and-action-taken-report/								
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									
1075									
<table> <tr> <th data-bbox="97 1686 547 1753">File Description</th><th data-bbox="547 1686 1437 1753">Documents</th></tr> <tr> <td data-bbox="97 1753 547 1821">Any additional information</td><td data-bbox="547 1753 1437 1821">View File</td></tr> <tr> <td data-bbox="97 1821 547 1921">Institutional data in prescribed format</td><td data-bbox="547 1821 1437 1921">View File</td></tr> </table>	File Description	Documents	Any additional information	View File	Institutional data in prescribed format	View File			
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)									

463

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.

Based on the students performance in the CIA tests, Assignment, class interaction, lab performance, students are classified as slow learners and advanced learners. The Choice Based Credit System (CBCS) facilitates a flexible learning mechanism for students of differing learning skills across all the programmes. Students identified/ enlisted as slow learners are provided with remedial coaching, special guidance, extra lectures etc. and as a result of this, slow learners are able to successfully pass the qualifying examination with good grades. Thus slow learners are given all supports needed to mainstream them with remedial programmes conducted outside regular class hours, additional resource materials are provided to these students for preparation.

In the case of advanced learners, they are given freedom to earn extra credits through online courses. They are motivated to aim for reaching a higher level of academic progression. They are encouraged to take up online courses in NPTEL related to their field of study. Additional classes and mock tests are conducted with a view to help them crack GATE, TOEFL, IELTS examinations and prepare them for competitive examinations. They are given opportunities for paper presentation in academic meets and also access to research labs outside the campus enabling research work. Advanced learners are also given the opportunity to participate in summer projects and internships additionally.

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
31/07/2021	3570	301

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 CBCS offered in the institution gives flexibility for students to choose courses in each semester based on their career plan, pace of learning and preference for faculty. A few of the courses offered by industry experts provide experiential learning for the students by bridging the gap between academia and industry. 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. Students are encouraged to participate in Inter-collegiate events/projects. Internship and value added courses are arranged to give hands-on experience to the students. In the participative learning, students are encouraged to participate in the class seminars, group discussion and debates. Problem solving methodologies for these courses are taught with tutorial sessions, assignments and open book tests. In order to develop and enrich students' creativity and critical thinking industrial projects are taken up. Few courses use Google Class Room wherein the class notes, video lectures, PPT and quiz for all the topics have been uploaded.

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

The ICT enabled class rooms enable faculty to deliver course contents with ease and effectively. The LCD projector in classroom facilitates presentations and show course related video contents to improve the learning process. Smart classes use all interactive modules like videos ,presentations and become appealing to students who are aligned with traditional methods. Google Classroom makes it easy to check on student work viz. to post course contents, conduct quizzes, maintain lab records and assignments. From the Student Work screen, real-time progress can be viewed by clicking on any student's assignment thumbnail thereby getting an overall comprehension of students academic performance.

Teachers use NPTEL videos as one of the tools to make the classroom teaching effective. Every year, teachers and students are encouraged to learn NPTEL courses in their domain for knowledge enhancement. Teachers also use Vlab as a resource to showcase the practical component of the courses handled. Coding skills of the students are developed by the faculty members from the first year from basic to advanced level.

E-rources like Moodle, MIT openware, MIT MOOC videos, Udemy, Coursera, edX, Udacity, Online coding Applications, VLab, You Tube videos, Hacker rank, kahoot, Mentimeter, are used to further enhance the teaching and learning process.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://kce.ac.in/departement-of-mechanical-engineering/
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

255

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 calendar is prepared by the Dean(Academic) in consultation with all Directors/ HoDs of the institution. This document elaborates all the major events/ activities to be carried out date-wise. Almost all of the administrative/ academic activities are pre-planned and a printed copy is given to each of the faculty members as well as the students. The same is web-hosted in the institution's website for reference of all concerned. Care is taken to fulfill the mandatory working days(90) for each semester besides planning all the important International/ National days of importance for celebrations. Further, Plan for International Conferences, Seminars besides date of celebrations of National/ religious harmony are incorporated. The academic calendar also contains the dates of re-opening, CIA tests, ESE dates,.etc excluding the Government declared holidays/ weekly holidays.

At the department level, Faculty timetable/ workload is meticulously planned according to the above schedule. Deviation/ Shortfall, if any would be compensated by working on Saturdays. The institutional arrangement of having Continuous Academic Audit (independently) ensures the adherence of the above stipulations and remedial action concurrently.

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

301

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

58

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)

1303

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

25

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

0

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

Various stages of the examination system is integrated using IT platform in the institution. The institution is provided with latest hardware/ software support for this purpose. The ERP system supplied by M/s Veradis Technologies is used for the Examination Management System (EMS) in the institution. A few of the system integrated examination processes are:

- Automated registration of courses, attendance monitoring, registration for the examination, Exam fees payment, generation of Hall Ticket.
- From ERP (performance module) the 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.
- The server at CoE's office automatically integrates both internal as well as ESE marks towards for processing in

order to declare the results.

- Fetching data of examiners for theory and similarly for 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, revaluation and finality.
- 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.

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 institution follow the Program Outcomes (POs), Graduate attributes defined by National Board of Accreditation (NBA). 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 review by the Board of Studies (BoS) get approved by the Academic Council. The POs, PSOs, PEOs are dissiminated across

- College Website -www.kce.ac.in
- Compendium of each Regulation proceedings
- Display boards (HOD Room, Faculty Rooms, Class Rooms, Department Office, Library, Laboratories)
- Course Plan
- Academic Calendar
- Department notice board

These are also popularised through

- Board of Studies meetings
- Department meetings

Bloom's Taxonomy is applied to map the course outcomes to varying

levels of cognitive skills and is then mapped with PO and PSO. The course outcomes are stated in

- The Syllabus of all courses
- CIA question papers

This is briefed at the commencement of the class for each course.

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/department-of-electronics-and-communication-engineering/

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

The POs and PSOs are made achievable and attainable with the well structured curriculum at the institution. The curriculum/ syllabi is designed such that it covers all the PO/PSO. The Course Outcomes of each course is mapped to the POs and PSOs with the level of being strongly correlated (3), moderately correlated (2) and weakly Correlated (1). The levels of POs and PSOs are determined by the weightage used for assessing the outcomes in each course. The curriculum correlates with all the Programme Outcomes/Program Specific outcomes. The quantitative assessment is carried out to measure the COs which are mapped to the program outcomes/Program Specific outcomes. Thus the PO/PSO attainment is calculated for all the courses. To improve the performance appropriate new strategies are created by the Program Assessment Committee (PAC).

Direct Assessment is carried out by using the following compartments

1. Continuous Internal Assessment
2. Unit test
3. Assignment/ Quiz/ etc.
4. End Semester Examination

Indirect Assessment is contributed by the following surveys:

1. Course End Survey

2. Program Exit Survey**3. Alumni Survey**

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

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****1036**

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/2023/08/KCE-sss-report-analysis-2020-21.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 assistance from 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 are encouraged to learn about the area of research through hands on practical problems/ 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 through,

1. Providing generous seed money to faculty to establish laboratories and kick start research.
2. Providing grant to faculty and students to participate and present papers in International Conferences / Workshops.
3. Provide funding for start-ups to students and faculty members and
4. Reward for Publications.

The faculty and students are given freedom to choose research area of their choice and guidance is given to seek funding from various funding agencies as well as industries. The institution encourages the faculty by providing incentives for publications, writing books and filing patents. The policy for research is well defined and is hosted on the institution webpage.

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/new/wp-content/uploads/2020/03/KCE_Policies_Rules-Last-amended-on-August-2019.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)

26.52

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

1

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
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)

61.82

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	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

37

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

21

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

9

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://kce.ac.in/kce-research/
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 established "Karpagam Innovation Centre (KIC)" which encourages development of indigenous technologies. KIC works for entrepreneurial training and IPR facilitation. It promotes start-up activities with active participation of students and faculty members.

Karpagam Entrepreneurship Development Cell, (KEDC) was established by the institution in the year 2004. Ever since its inception, the cell has embarked on its flagship programme of continuous innovative methodology. At the same time, the cell also concentrates on the rural fronts so as to develop the potential of the rural youth and harness their traditional mindset towards productive use. KEDC empowers the youth with entrepreneurial skills and creates awareness on entrepreneur opportunities and to develop entrepreneurship skills. 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.

Four departments are recognised as research centres by Anna University, Chennai. These research centres are with the potential in guiding scholars, ensuring publication in quality journals and in creating a conducive environment for carrying out research.

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

42

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

A. All of the above

**the following: Research Advisory Committee
Ethics Committee Inclusion of Research
Ethics in the research methodology course
work Plagiarism check through
authenticated software**

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

6

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

287

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

241

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

441

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

10

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)

36.51

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

22.81

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

Promotion of social welfare schemes of the Government like Swachh Bharat Abhyan, Run for Unity, Go Green Day were carried out under outreach programmes of the institution. Awareness programme regarding Human Rights, Traffic Rules, Digital India, Women Empowerment, Tree Plantation, Youth Leadership Camps etc. were organized through NSS unit. Workshops on gender sensitization and women safety were organized regularly by the Women Development Cell in the institution.

1. Extension Activities for Community issues

Unnat Bharath Abhiyan, Swatch Bharath - Blood Donation Camp, plantation of Saplings, Painting and Renovation of school buildings, Digital literacy, Orphanage and old age home visit has been conducted by NSS. NSS organized awareness programs on road safety, environmental awareness and other community services for the benefit of society. YRC has conducted camps for eye and stem cell donation, training for school students and voters awareness rally.

2. Extension Activities for Environment issues

The Nature club has conducted awareness programs on conservation of energy and the ways to use energy efficiently.

3. Extension Activities for Gender disparity:

Women Development Cell (WDC) has organized various programs on women's health, safety issues, problems of working women and health camps. Needles to add that Coimbatore is declared as one of the safest place for women in the country and the female are treated at par in the society.

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

27

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)

60

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

2543

File Description	Documents
Reports of the events	View File
Any additional information	No File Uploaded

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**

37

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)

30

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 is approved by AICTE and functioning under the supervision of the affiliating university (Anna University). There are certain requirements/ stipulations to be met out as per their requirements of the statutory bodies

The institution functions in own land having an extent of 28.24 Acre. The facilities involve 83 classrooms and 94 laboratories

The following facilities are available to cater to the teaching-learning processes

- All classrooms are equipped with ICT facilities
- All the departments are provided with desktops with Internet and LAN
- Wi-fi enabled campus to facilitate e-learning

The institution has 94 laboratories and out of which 60 laboratories with latest hardware and software facilities based on the curriculum

- There are 10 centers of excellence which facilitates learning innovation among students
- Pan campus Wi-Fi Connectivity powered with 200 MBPS lease line enables students to pursue learning initiatives away from the classrooms as well which facilitates promotion and motivation students to self-learning
- Online video lectures are available through NPTEL, DELNET and Webinar etc.
- Learning Management System is available and used extensively for placement
- Each Department has well-equipped laboratories over and above the mandatory requirements AICTE
- Totally 1735 computer systems are available for the students use.

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 institution has an auditorium with total seating capacity of 2000 students. Here Cultural activities are conducted in addition to the club activities. The cultural activities organized nurture the students creativity and showcase their unique talents

An yoga centre is available in the campus to improve the mental well-being of the students. The Institution celebrates International Yoga Day which helps to enhance awareness among students.

The institution also has well equipped facilities for indoor and outdoor games facilities at an area of 6 acres. For outdoor games the courts have been laid down with standard specifications both for Men & Women students. The institution has an auditorium cum indoor stadium in an area of 12,000 Sq. feet

Gym is another central facility which is available in the institution. The gym is fully equipped with essential fitness equipments.

Other facilities available are an amphi theatre, food court, three hostels, Stationery, Photocopy shop. Medical facilities is provided to the students, faculty and staff members having tie up with Karpagam Faculty of Medical Science and Research.

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)

55.19

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)

The institution has a central library with 45353 Text books, 1981 reference books, 1114 e-books, 5000+ e-journals, 3622 CD & Video, 7421 back volumes, 3031 projects and 849 question banks. The library has institutional membership with:

- CSI- Computer Society of India
- DELNET- Developing Library Network (DELNET)
- Springer
- Institution of Engineers (India)
- IEEE- The Institute of Electrical and Electronics Engineers
- IETE- The Institution of Electronics and Telecommunication
- ISTE- The Indian Society for Technical Education

Further, the central library is facilitated with OPAC (Online Public Access Catalogue) to retrieve information and access resources of library using several access points. The library is also equipped with reading rooms with a seating capacity of 70 seats. Apart from central library Individual departments are also equipped with their own libraries.

- Name of the ILMS software : KCELMS
- Nature of automation (full or partial) : Partial
- Version : 4.2
- Year of automation : 2012

Facilities Available in the library include

- Fully computerized bar-coded circulation services (Issue, Return and Renewal of books)
- Reference services (Encyclopaedia, Dictionary, Yearbooks, Handbooks and Previous year question papers)
- Online full text access to International journals
- Bar-coded User Entry System
- Digital Library section with high speed Internet access facility to access the DELNET, NPTEL, E-books and other online resources

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)

10.16

File Description	Documents
Audited statements of accounts	View File
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

750

File Description	Documents
Upload details of library usage by teachers and students	No File Uploaded
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

- The institution manages and administers its network through its Central Computing Facility (CCF) Unit.
- All devices connecting to the Institution network shall be centrally registered.
- The configuration and operation of devices connecting to the Institution network must comply with all applicable security policies, procedures and practices.
- Devices connected to the network shall be reviewed on a regular basis for the latest operating system and application security patches applicable to that device as well as latest anti-virus software.

Firewall Policy

A well thought out 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.

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
3570	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

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)

385.23

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

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 of the physical, 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, captive power
- Water support, sewage, STP
- Plumbing and RO facilities
- Carpentry
- Central Computing Facility (CCF)
- 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 personnel oversee the sections' working to ensure availability of trouble-free service. The institution which is functioning in rural area has the locational

advantage in getting suitable employees to work especially in horticulture, conservation and housekeeping work.

However the ICT facilities are monitored and serviced by the CCF. Usual periodic maintenance work is attended by the Lab technicians and wherever the hi-tech equipments are involved the same is brought under the AMC with the supplier/ manufacturer.

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

2385

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

94

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

A. All of the above

**Communication Skills Life Skills (Yoga,
Physical fitness, Health and Hygiene)
Awareness of Trends in Technology**

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

3570

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

A. All of the above

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	No File Uploaded
Upload any additional information	View File

5.2 - Student Progression

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

710

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

31

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

10

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

25

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 has a dynamic "Students council" and the office bearers are nominated by the institution with a well-defined policy. The council plays a vital role in the organising various cultural activities and functions in the institution besides representing various committees.

The institution encourages students representation in both academic and administrative bodies which enables to create a better academic environment. Students opinions/ suggestions are considered in making decisions thereby their involvement and active role gives a sense of belongingness.

The objective is to make the students participate in the development of the institution as well as in the process of developing their personality, organising skills and career. The student members represent in the following committees:

- Common Course Committee
- Class Committee
- Office bearers of associations
- Anti-Ragging Committee
- Mess Committee
- BOS
- Nominees in IQAC

- Members of Quality Circle
- Women Development Cell
- Complaints and Redressal Committee

The representations 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. Besides developing leadership, their participation inculcate tolerance, adoptability and team spirit

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://kce.ac.in/file/Non-Statutory-Body.pdf

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

30

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

The Institution has a registered Alumni Association under the Tamil Nadu Societies Registration Act, 1975 and rules 1978 (Tamil Nadu Act 27 of 1975) which was registered on 31st December 2015. The alumni association is known as "KCE Alumni Association". The association updates the Alumni member data for all the batches graduated periodically and update the current status of the members.

Alumni contribute both financially and otherwise over the years for the growth and development of the institution. Alumni members across different disciplines and industries offer to their

juniors

- Career guidance
- Practical tips and current industrial trends in the field
- Need of skillsets to remain relevant to industries
- Career opportunity available in India and abroad

Alumni also contribute in the design and development of curriculum and syllabi as members on the Board of Studies (BoS) of the programmes as well as in the Academic Council. The purpose of having a proactive alumni association is a two way process. As a reciprocal gesture, the institution has taken an initiative to recognize the achievements of Alumni and award them as icons of KCE in three categories namely,

- Societal Impact Award
- Professional Excellence Award and
- Dynamic Entrepreneur Award

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 (GC). The managing trustee is the chairman of the governing council and the Principal is the member secretary. GC has one eminent scholar nominated by AICTE, two from industry and four senior faculty as members. The strategic plans of the

institute are reflective of the Vision and Mission of the institute and based on the needs of corporate world, society and stakeholders. The governing council takes decisions regarding 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 annual academic plans are prepared by the Principal after discussion with the Dean / Director and the HODs. The academic calendar gives schedule of lesson planning, internal assessment tests, club activities, 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 an environment with complete transparency. The Principal in consultation with the administration, gets the guidance of GC for leading the institution. The management ensures a conducive working environment for the faculty to do excellent work.

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 administration is decentralized to a great extent by a delegation of responsibilities to Deans/Directors, Heads of Departments. Periodical meetings of the constituted committees are held to plan, execute, monitor and evaluate the intended activities both for the current academic year and for the next year. The benchmark is set for every activity to ensure quality administration through concerted efforts of all stakeholders.

The role and functions of the Board of Studies and Academic Council are utilised to function effectively. The faculty members are involved in decision making in the academic process of TLE. At the Department level, the Head of the Department holds the responsibility of motivating and mobilizing the opinion, suggestion and feedback from the faculty members at all aspects of administration and academics. The HoD then forward it to the Principal and then to the management for facilitating the process

of decision making for implementation.

Faculty members hold various administrative positions in addition to academic roles as follows: Deans, HoDs, Members of Academic Council, Governing council - thus creating a platform for the faculty to be actively involved in decision making. Programme Assessment Committee (PAC) in the departments meet regularly and assess the academic progression effectiveness.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
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 institution being autonomous has freedom and commitment that all students after graduation be a quality professional. The emphasis is on measured outcomes. All the programmes of the institution are employing the principles of Outcome-Based Education (OBE). PEOs (Programme educational objectives) / POs (Programme outcomes) are well defined, populated and understood by all. Similarly, for all the courses, course objectives and outcomes are well defined. The evaluation process for all the courses are mapped with COs. An articulated matrix for the POs is prepared which helps to decide the attainment of the programme. The process is meticulously implemented and the attainment of an immediate graduated batch would be used to fine tune the academic activities.

. 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 product / patents. Focused guidance and networking of interested students to disseminate and participate in State and National level competitions is encouraged and students have bagged prizes in Smart india Hackathon, and other innovation contests. During the academic year 2020-21, through the "Tech Next forum" sixteen patents are

filed.

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.
- Overall responsibility for providing the resources like Human, Infrastructure, monetary support and other facilities.

Principal:

- The detailed preparation of a consolidated annual college budget which addresses the strategic aims and targets 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, Anna University and other Statutory bodies and implementing / executing the instructions / guidelines provided by them.
- In charge of evaluating and monitoring the performance of various departments and reporting to the Chairman.
- To motivate and encourage students to excel in various academic, co-curricular & extracurricular activities.

Dean

- Responsible for the up-gradation of qualification of the faculty.
- Responsible for faculty publications in refereed journals.

Head of Departments:

- Ensure the discipline among students and faculty members of their respective departments. Responsible for 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/naac/C6/AI/6.2.2b.pdf
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) Documen	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 institute and therefore the college is focussing their productiveness and recognizing their needs and requirements. As a policy, the institution is implementing various effective welfare schemes. 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 employee productivity and commitment to their job.

Teaching

PF and Gratuity

Free medical facility,

Group insurance,

Subsidised hostel accommodation

Subsidised Transportation facilities

Concession in tuition fee for doing higher studies in group institutions Non teaching

PF and Gratuity

Free medical facility,

Group insurance,

Subsidised hostel accommodation

Subsidised Transportation facilities Students

Free medical facility,

Group Insurance

Recreational facilities,

Scholarships/ fees concessions,

Assistance for government and Non Government scholarships,

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

177

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

36

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.)

301

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

The institution is self-financed and the management is administered through the Governing council. The promoter is

"Karpagam Charity Trust" with Dr.R.Vasanthakumar as the managing trustee. The managing trustee is the chairman of the Governing council of the institution.

The institution has arrangement for internal audit and accounts maintenance. External audit as required as per the act is regularly carried out and returns submitted to Income tax authority within the prescribed time every year. The appointment of auditors and finalisation of accounts are done by the trust.

During Internal Audit, the vouchers are audited. Software 'Tally' is employed for the purpose. The expenses incurred under different heads are thoroughly checked by verifying the bills and vouchers. If any discrepancy is found, the same is brought to the notice of accounts officer for remedial action. The institutions account book is audited by chartered accountant regularly as per the government rules. The auditor ensures that all payments are duly authorized and after the audit an report is sent to the management for review. Any queries, in the process of audit are attended immediately along with the supporting documents. The audited statement is duly signed by the trustee and chartered accountants for submission.

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)

31.86

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

Mobilisation of funds

The institution is self-financed and the additional requirements of funds is provided by the trust. Funds through the student fees is one of the major sources, collected as per regulations laid by the state government, Higher Education department.

Other sources of revenue include:

1. Consultancy fees
2. Fees from conferences, workshop, seminars organized by the Institution (Participation fees).
3. Research grants (Project) obtained from various sponsors.

Utilisation of funds

The budgeted fund is utilised for purchase and maintenance of equipment and machines required. The purchase of equipments, machines and software is done by purchase committee. Whenever the requirement for purchase of equipment arises, the department head gives a requisition to the principal. After the principals perusal, it is forwarded to the trust for approval. The approved purchase requirement is handed over to the purchase committee. The committee invites quotes from companies and finalizes the vendor on the basis of quality, service support, product specifications and price. Finally, the purchase committee places the purchase order for procurement of the equipment. Further, the fund is used for the payment of salary towards teaching, non-teaching and administrative staff. The management also supports the faculty by providing registration fee for attending conferences, workshop, FDP

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)

Quality assurance strategy:

- Continuous learning assessment / students feedback on teaching
- Offering bridge courses for lateral entry students
- Coaching for slow learners
- Fast tracking advanced learners
- Mini projects/Internships

Post accreditation quality initiatives:

- Curriculum revision with industry relevant courses
- Smart class rooms
- Online credits earning from NPTEL courses
- Value added courses
- Strengthening of Academic audit

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

- To ensure quality in academic programs.
- To integrate modern methods of teaching and learning and monitor its effect on the students performance.
- To instil confidence and credibility of evaluation procedure among stakeholders.

The other initiative is the establishment of Centre for Excellence in Learning and Teaching (CELT), which organises regular programmes to motivate, enlighten and build confidence on professional teaching for the staff members. Further the students are grouped based on their performance in Continuous Internal Assessment (CIA) as slow/ normal/ fast learners. Various initiatives catering to the requirement of these groups are put in place.

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

- **Online mode of Teaching Learning and Evaluation Process**

The prevailing pandemic situation has warranted to the faculty and the students to explore the alternate mode of Teaching, Learning and Evaluation. Handling of the online classes are mostly using Google Meet and the contents, quiz are hosted in Google classroom, The lab sessions are demonstrated and carried out using the softwares and vlabs. The examinations are carried out using the Aspiring minds portal. The Internal Audit Team constantly monitors this process and suggests corrective actions if needed.

- **IAA/ External Academic Audit**

IQAC undertakes Academic Audit to monitor and evaluate the institutional TLE processes through systematic internal and external reviews. The academic audits enable programmes and the institution to evaluate the quality processes and standards based on predetermined benchmarks and also to suggest activities required to produce, assure, and regularly improve the quality of the whole system in place including curricular and co-curricular programmes and activities and the infrastructure and support services. The internal Academic Audit (IAA) is carried out by the team of internal faculty members drawn from various departments. The Administrative Academic Audit (AAA) is carried out with the external peers/ experts who have experience in academic quality systems, processes and strategies

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://kce.ac.in/naac/C6/AI/EAAA.pdf

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

A. Any 4 or all of the above

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	No File Uploaded
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	
<p>The institution aims to groom students to be self-reliant, specialists in their chosen discipline, continuous learners, sensitive to gender issues with zero tolerance towards sexual harassment, women safety and security and also environmental conscious. Objective of the institution is to provide technical education that would cater to the needs of society with special emphasis on gender equality. Students of both the genders are given equal opportunities to grow and develop into able, responsible citizens. The Women Development Cell (WDC) was inaugurated on 26th of July 2011 and Women empowerment Committee has been functioning along with WDC since January 2013. The committee comprises women faculty and students. The main objectives are:</p> <ul style="list-style-type: none"> • To provide counselling to the female students. • To give awareness on aspects of campus life and safety. • To motivate and groom for skill development. • To improve career progression and make self-reliant. <p>Prevention Of Sexual Harassment (POSH), a cell to prevent the sexual harassment was inaugurated in KCE on 1st of August 2013 that organises awareness programs and guest lectures regarding "Prevention of Sexual Harassment". POSH takes care of the fundamental right of a woman to gender equity under Article 14 of the constitution.</p>	

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
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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 institution does not generate any biomedical hazardous/ radioactive materials. The other types of wastes are handled as given below

Solid Waste Management

In the institution, solid waste from dry leaves is predominant. The same Bio-degradable and food waste as well from canteen and mess are collected in pits and covered. Over a period of time the waste gets converted into manure by natural process and is used for the plants inside the campus. Use of plastics is banned in the campus. The little plastic waste found is collected along with metal scrap and wooden wastes are given to authorized scrap agents periodically.

Liquid waste management

Aware of the need for water conservation, complete water recycling process and the Liquid waste generated from the food courts/Mess and washrooms are treated at the Moving Bed BioFilm Reactor Sewage Treatment Plant (STP) functioning inside the campus with a capacity of 500 KLD.

e-waste management

The e-wastes like empty toners, cartridges, outmoded computers and electronic items are gathered and sold to registered vendors who do the disposal in accordance with the norms.

Waste recycling system

The grey water from the STP is used for gardening and for watering the plants in the campus.

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: <ol style="list-style-type: none"> 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
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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,	A. Any 4 or all of the above
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reader, scribe, soft copies of reading materials, screen reading, etc.

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).

In the institution over 3800 students along with over 300 faculty and staff members come from various backgrounds. The institution takes efforts in providing an inclusive environment for all the students and employees. Tolerance and Harmony to cultural and regional diversities is achieved by celebrating Diwali, Pongal, Onam, Christmas. Techno cultural fest DHRUVA is held every year. Sports meet for faculty members is also held to improve bonding between them. Students clubs in the campus also support and propagate the idea of diverse cultures. Techno cultural (inter collegiate) fest DHRUVA has given opportunities to students across the state and backgrounds to showcase their rich talents. An inter college techno fest 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 peers. During KALAM events such as cricket tournaments, kabaddi, carving, drawing, painting, singing, dancing, fun games etc in order to encourage cultural diversity and active involvement of the students.

The students from rural background and from middle income groups form a major chunk. We conduct orientation, bridge courses and coaching for them in order to bring them into an level.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded

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

The institution takes initiatives in organizing programmes for moulding the students and staff to become responsible citizens of the country. The college encourages them to take part in blood donation camps organized at the Karpagam Faculty of Medical Sciences and Research. The institution also conducts special lectures on "Move towards constitution" where subject experts enlighten the students about the importance of the Indian constitution and how we must work in united to save the nation. Special lectures enlighten the students about their rights and duties being the responsible citizens. Swachh Bharat Abhiyan has also been an important initiative taken up here where students create awareness among the locals so as to maintain cleanliness in their surroundings. The college has also conducted a Voter awareness programme for all the students and were sensitized about their constitutional obligations for voting.

Constitution day is celebrated on 26th November every year. The programme initiates with preamble reading of the constitution, followed by lectures on the sensitization of students on responsibility towards the constitutional values, rights, duties and responsibilities of citizens. The students from R2018 have been mandated to study courses on Indian constitution, Indian traditional knowledge in accordance with the recommendations of UGC/AICTE.

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	A. All of the above
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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

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 play an important role in planting the seed of Nationalism and Patriotism among us. The institution celebrates these events with great enthusiasm to commemorate the ideology of nationalism and to pay tribute to our great National Leaders.

The institution celebrates 26th January i.e., Republic Day, every year, commemorating the adoption of Indian constitution. This day reminds about the constitution of the country and the need to abide by it at all times. Independence Day is celebrated every year on 15th of August with the same zest & zeal, where parades and flag hoisting is organized and is celebrated to mark freedom of India. The college celebrates International Yoga Day on 21st of June every year. The yoga Instructor organizes the yoga camp and a short speech is conducted to make everyone aware on how Yoga embodies unity of mind and body; thought and action; restraint and fulfilment. October 2nd is celebrated as international day of non-violence. International Womens day is celebrated on March 8th with various events organized. Keeping its values intact, college imparts right kind of education based on moral values & ethics which makes our students responsible citizens

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	View File

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

Best Practice-1

1. Title of the Practice

Continuous Internal Academic Audit.

2. The Practice

The institution has established the IQAC in 2015. Under the umbrella of IQAC, a team of faculty members with domain specific knowledge carry out the auditing. At the end of every CIA each faculty submits the Course File containing Course materials, question papers, keys for the Question Papers, Scheme of evaluation, result analysis and sample Answer scripts for Auditing. Faculty are provided with the feedback about the shortcomings/ deviations in the course delivery and evaluation. Faculty are required to give their compliance report based on the feedback towards remedial action wherever possible.

Best Practice-2

1. Title of the Practice

Nurturing Innovative Ideas from students.

2. The Practice

As soon as the fresher enter the campus C-Expo is arranged in order to orient their creative thinking. Then, motivational speech will be supplemented for their "Design Thinking". Afterwards "Ideation" contest for them is organized in phases.

Creative ideas are screened and shortlisted. The ideas will be validated and subsequently mentor assigned for further viable studies towards commercialization as a product/ patent.

File Description	Documents
Best practices in the Institutional website	https://kce.ac.in/internal-quality-assurance-cell-igac/
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)

Academia Industry Collaboration could be path breaking method aiming to get the full potential with mutual cooperation.

The institute has strategically partnered with industry to update syllabus, introduce industry-based electives and facilitate internships in industry for students. It has established Centres of Excellence in collaboration with industry for various research and development projects. The training and career relevant skills prepare students to meet expectations of industry.

- As mentioned, the role of industry comes even at the initial stage of curriculum framing.
- Faculty with experience are sent to industries wherein they interact and understand the needs which help to frame the syllabus that is in line with overall industry requirements.
- After framing the syllabus, faculty member undergo training in the industry where they gain practical knowledge to handle the courses.
- This practice enables the institution to synchronise with the government policies especially skill development, entrepreneurship and MSME sector .
- The evidence of success lies in obtaining internships, training and placement for the students in those companies with whom we signed MoU.
- Many students have benefitted of this opportunity and have

received internship and/ or placements.

File Description	Documents
Appropriate link in the institutional website	https://kce.ac.in/internal-quality-assurance-cell-igac/
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

- To apply for the second cycle of NAAC accreditation
- To frame curriculum and syllabi for Regulation 2022 in accordance with the evolving trends in technology and post pandemic requirements
- To introduce the programmes in emerging areas of technology/ industry requirements

In order to cater to the expectations of the stakeholders over the recent trends, proposal to introduce another programme ie. B.E. - Computer Science and Design from the academic year 2021-22.

- To apply for NBA accreditation

To apply for the NBA accreditation for one UG programme (B.E. - Civil Engineering) and one PG programme (MBA) in addition for renewal of accreditation for the following programmes during the academic year 2021-22

- B.E. - Computer Science and Engineering
- B.E. - Electrical and Electronics Engineering
- B.E. - Electronics and Communication Engineering
- B.E. - Mechanical Engineering
- B.Tech. - Information Technology
- To enhance the Industry - Academia interaction

The institution is focussing to improve the Industry - Academia interaction in terms of increasing the MoU and to carry out collaborative activities for both students and faculty members thereby better knowledge sharing for the benefits of all.