# YEARLY STATUS REPORT - 2022-2023

## Part A

## Data of the Institution

| | |
|---|---|
| **1.Name of the Institution** | **Karpagam College of Engineering (Autonomous, Telugu Linguistic Minority form 14-07-2022)** |
| • Name of the Head of the institution | **Dr. V. Kumar Chinnaiyan** |
| • Designation | **Principal** |
| • Does the institution function from its own campus? | **Yes** |
| • Phone No. of the Principal | **04222619030** |
| • Alternate phone No. | **04222619005** |
| • Mobile No. (Principal) | **9942999111** |
| • Registered e-mail ID (Principal) | **principal@kce.ac.in** |
| • Address | **Othakkalmandapam** |
| • City/Town | **Coimbatore** |
| • State/UT | **Tamilnadu** |
| • Pin Code | **641032** |

**2.Institutional status**

| | |
|---|---|
| • Autonomous Status (Provide the date of conferment of Autonomy) | **10/07/2010** |
| • Type of Institution | **Co-education** |
| • Location | **Rural** |

- Financial Status             **UGC 2f and 12(B)**

- Name of the IQAC Co-ordinator/Director    **Dr. P. Karthigaikumar**

- Phone No.           **04222619005**

- Mobile No:          **9486260288**

- IQAC e-mail ID       **iqac@kce.ac.in**

**3.Website address (Web link of the AQAR (Previous Academic Year)**    https://kce.ac.in/internal-quality-assurance-cell-iqac/

**4.Was the Academic Calendar prepared for that year?**    **Yes**

- if yes, whether it is uploaded in the Institutional website Web link:    https://kce.ac.in/academic-calendar/

**5.Accreditation Details**

| Cycle | Grade | CGPA | Year of Accreditation | Validity from | Validity to |
|-------|-------|------|-----------------------|---------------|-------------|
| **Cycle 1** | **A** | **3.32** | **2016** | **19/01/2016** | **31/12/2022** |
| **Cycle 2** | **A+** | **3.47** | **2022** | **27/12/2022** | **27/12/2027** |

**6.Date of Establishment of IQAC**    **12/10/2015**

**7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?**

| Institution/ Department/Faculty/School | Scheme | Funding Agency | Year of Award with Duration | Amount |
|-----------------------------------------|--------|----------------|-----------------------------|--------|
| **EEE, CSE, MECH** | **Student Project** | **TNSCST** | **03/03/2023** | **0.21** |
| **ECE** | **TDP** | **DST** | **21/09/2020** | **146.85** |

**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**      `2`

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?      `Yes`

- 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`

- If yes, mention the amount

**11.Significant contributions made by IQAC during the current year (maximum five bullets)**

`1. IQAC cell has coordinated with all the departments to receive NAAC accreditation with A+ grade with the score of 3.47/4 in 2nd cycle.`

`2. IQAC cell has deliberated with all the departments in framing and implementing Forty-Six value-added courses, to equip the students with emerging trends and technologies.`

`3. In the approved Research center to offer the Ph.D. Programme IQAC has assisted in framing the syllabus for course and specialized course for the following departments Research course i.e ECE, EEE, IT and Mechanical Engineering.`

`4. 8 Faculty Development Programmes are organized for the upskilling of Faculty members.`

**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:**

04-07-2024 09:10:21

| Plan of Action | Achievements/Outcomes |
|---|---|
| To frame curriculum and syllabi for the Regulations 2023 in accordance with evolving technologies. | Curriculum and Syllabi for all Programmes revised under Regulations 2023. |
| To improve the Institute-Industry Interaction by signing MoUs with leading industries and to strengthen the upskilling of Faculty Members and Students. | 25 MoUs signed to improve the Institute – Industry Interaction. 42 events organized. |

**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 | 15/12/2023 |

**14.Was the institutional data submitted to AISHE ?**    **Yes**

- Year

| **Part A** |  |
| :---: | :---: |
| **Data of the Institution** | |
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| | |
|---|---|
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| | | |
|---|---|---|
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| | |
|---|---|
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| | | |
|---|---|---|
| and compliance to the decisions taken uploaded on the institutional website? | | |
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| | |
|---|---|
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|---|---|

- Name of the statutory body

| Name of the statutory body | Date of meeting(s) |
|---|---|
| Governing Council | 15/12/2023 |

| 14.Was the institutional data submitted to AISHE ? | Yes |
|---|---|

- Year

| Year | Date of Submission |
|---|---|
| 2022-2023 | 18/03/2024 |

### 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, has a dynamic website providing all

details of Academic Bank of Credits and its operational mechanism for the use of all stakeholders of higher education. Academic Bank of Credits is essentially a credit-based, highly flexible, and student-centric facility. The Institution has been approved 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 Enhancement Courses by which students can earn credit. In view of NEP 2020, the new Regulation R2023 is proposed in the institution to offer credit transfer and credit accumulation for the Courses carried out by the students through online proctored modes in the platforms like SWAYAM, NPTEL, etc. Our students are encouraged to register in the National Academic Depository (NAD) from AY 2022-2023. So far 4690 studetns has been registered. We also encourage our Alumni to register in the NAD.

## 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 centre 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 organizes Skill Development Programmes and Entrepreneurship Development Programmes which initiates innovative student projects every year for new innovative product development which is funded by various funding agencies such as TNSCST. Skill Development training involves identifying, developing, and 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 premier institutions and industries. The institution aims to build and share resources including space and infrastructure, access to business support services, mentoring and training programmes to

enhance the skills of entrepreneurs. Events like Startup weekends, DET Talk help students to have awareness in entrepreneurship and Startups. Total of 82 workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the Academic year 2022-23

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

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

Four of the programmes offered are NBA accredited thereby the Graduate Attributes (POs) as highlighted in 'Washington Accord' are taken care in the formation of curriculum. The Outcome Based Education (OBE) within the framework of Choice Based Credit System (CBCS) also renders all the flexibility in devising the curriculum and syllabi. The institution is practicing Outcome Based Education by defining appropriate Program Specific Outcomes (PSOs) and Course Outcomes (COs) and for all programmes and courses offered. The Program Outcomes (POs) defined by AICTE and NBA is followed to assess the outcome attainment by graduates. At the end of the course, mapping of the laid-out COs to POs/ PSOs are carried out and attainment of the POs/ PSOs are meticulously evaluated through attainment of COs. Emerging trends and technologies are 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 and professional development for industrial employability.

**20.Distance education/online education:**

The Institute is not offereing any Distance Education Programmes/Courses. However the students are encourage to undertake the SWAYAM/ MOOCs  (online Education). The institution desires to impart online education in view of NEP 2020 to upskill the knowledge for global competency through an online platform. In order to utilize the online resources, the pedagogy process is carried out through Google classroom for each course offered. It contains a syllabus, course plan and soft copy of course material, course handouts, and question bank/ previous end semester examination question papers which increase the effectiveness of the teaching-learning process. Faculty members and Students also use online resources like SWAYAM, NPTEL Coursera/ Udemy / MOOCs, and Moodle. The Platforms like Kahoot and Mentimeter are used to assess the understanding level of the learners while delivering the course(s) itself.

# Extended Profile

**1.Programme**

1.1                                                                                      **16**

Number of programmes offered during the year:

| File Description | Documents |
|---|---|
| Institutional Data in Prescribed Format | [View File](#) |

**2.Student**

2.1                                                                                      **4561**

Total number of students during the year:

| File Description | Documents |
|---|---|
| Institutional data in Prescribed format | [View File](#) |

2.2                                                                                      **896**

Number of outgoing / final year students during the year:

| File Description | Documents |
|---|---|
| Institutional Data in Prescribed Format | View File |

2.3                                                                    **4560**

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                                                                    **484**

Number of courses in all programmes during the year:

| File Description | Documents |
|---|---|
| Institutional Data in Prescribed Format | View File |

3.2                                                                    **298**

Number of full-time teachers during the year:

# Extended Profile

## 1.Programme

1.1

**16**

Number of programmes offered during the year:

| File Description | Documents |
| --- | --- |
| Institutional Data in Prescribed Format | View File |

## 2.Student

2.1

**4561**

Total number of students during the year:

| File Description | Documents |
| --- | --- |
| Institutional data in Prescribed format | View File |

2.2

**896**

Number of outgoing / final year students during the year:

| File Description | Documents |
| --- | --- |
| Institutional Data in Prescribed Format | View File |

2.3

**4560**

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

**484**

Number of courses in all programmes during the year:

| File Description | Documents |
| --- | --- |
| Institutional Data in Prescribed Format | View File |

| 3.2<br><br>Number of full-time teachers during the year: | **298** |
|---|---|

| File Description | Documents |
|---|---|
| Institutional Data in Prescribed Format | [View File](#) |

| 3.3<br><br>Number of sanctioned posts for the year: | **298** |
|---|---|

## 4.Institution

| 4.1<br><br>Number of seats earmarked for reserved categories as per GOI/State Government during the year: | **445** |
|---|---|
| 4.2<br><br>Total number of Classrooms and Seminar halls | **84** |
| 4.3<br><br>Total number of computers on campus for academic purposes | **1526** |
| 4.4<br><br>Total expenditure, excluding salary, during the year (INR in Lakhs): | **2697.59** |

# 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 in its 23rd year of operation and obtained autonomous status in 2010 with subsequent renewals. The institution's vision and mission are well defined taking into consideration the National/ Global requirements of graduates of the institution. Four of the UG programmes offered are NBA accredited thereby the Graduate Attributes (POs) as highlighted in 'Washington Accord' are taken care in the formulation of**

**curricula and syllabi. All the courses offered have well defined Course Objectives and Course Outcomes (COs). Moreover, Programme Specific Outcomes (PSOs) are also mentioned in the syllabus for every course. At the end of the course, mapping of the laid-out COs to POs/ PSOs are done. The Outcome Based Education (OBE) within the framework of Choice Based Credit System (CBCS) also renders all the flexibility in devising the curriculum and syllabi. The institution is situated in the industrial hub of Coimbatore and the valuable feedback from various stakeholders enables to have a broader perspective in understanding the industry needs and for National development. Being a NAAC accredited institution, the core values of NAAC are critically relevant to the institutional efforts of revising the curricula.**

| File Description | Documents |
|---|---|
| Upload additional information, if any | [View File](#) |
| Link for additional information | [https://kce.ac.in/naac/2022-23/C1/AI/1.1.1b.pdf](https://kce.ac.in/naac/2022-23/C1/AI/1.1.1b.pdf) |

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

**11**

| File Description | Documents |
|---|---|
| Minutes of relevant Academic Council/BOS meeting | [View File](#) |
| Details of syllabus revision during the year | [View File](#) |
| Any additional information | **No File Uploaded** |

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

**484**

| 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

**21**

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

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

**16**

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

## 1.3 - Curriculum Enrichment

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

**For the development of the students of the institution as a**

holistic and true professional, the following are integrated into the curriculum, co-curricular and extra-curricular activities.

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

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

While the institution provides equal opportunity for the professional development of girl students, there are certain arrangements to ensure gender equity coupled with human values. The Women Development Centre is functioning since July 2011 and in coordination with Women Empower Committee provides the following to the girl students

- Counselling for the career advancement.
- Awareness Programme on various aspects of parity in human activities.
- Motivation for skill development.
- Enable to participate in community development activities.
- Equal opportunity is provided for women in various administrative positions.

| 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**

46

| 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

**3508**

| 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

**4561**

| 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 |
|---|---|
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## 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

**1385**

| 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)

**403**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Number of seats filled against seats reserved (Data Template) | [View File](#) |

## 2.2 - Catering to Student Diversity

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

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

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional information | https://kce.ac.in/naac/2022-23/C2/AI/2.2.1b.pdf |

## 2.2.2 - Student – Teacher (full-time) ratio

| Year | Number of Students | Number of Teachers |
|---|---|---|
| 31/07/2023 | 4561 | 298 |

| File Description | Documents |
|---|---|
| Upload any additional information | View File |

## 2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

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

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Link for additional Information | https://kce.ac.in/naac/2022-23/C2/AI/2.3.1b.pdf |

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

All the classrooms in the institution are ICT enabled which

enhances the teaching and learning experience. Each classroom is equipped with LCD Projector, Computer with internet connection and Audio systems. Smart classrooms enables visualization of real-life applications within class through online resources.

Faculty members created a Google classroom for each of the courses offered. It contains syllabus, course plan, soft copy of course material, NPTEL/swayam videos and question bank/ previous end semester question papers which increase the effectiveness of teaching and learning process. Platforms like Kahoot, Mentimeter are used to evaluate the understanding level of students while delivering lecture content.

ActivInspire – A premiere lesson delivery software purchased which allows faculty members to have interactive board and flipchart pages. Faculty members utilize this facility to provide handouts of their lectures for effective knowledge transaction.

Karpagam – LMS – It is an android application developed by team KCE for learning and assessment of learning by the students. It enables students to hone their skills in Aptitude Solving and Programming.

E-contents - with these E-content Package students and Faculty memberscan browse books and articles for their teaching and learning.

Softwares – All the branches of Engineering and Technology, PGs and S&H departments are equipped with the necessary software to aid the Teaching Learning. Few notable software are as MATLAB, LabView and Etab.

| File Description | Documents |
|---|---|
| Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process | https://kce.ac.in/naac/2022-23/C2/AI/2.3.2a.pdf |
| Upload any additional information | View File |

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

## 2.3.3.1 - Number of mentors

**244**

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

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

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

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

**2.4 - Teacher Profile and Quality**

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

**298**

| 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 | View File |

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

**78**

| 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)**

**1340**

| File Description | Documents |
|---|---|
| List of teachers including their PAN, designation, Department and details of their experience | View File |
| Any additional information | View File |

**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**

**21**

| 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**

**154**

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

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

- **Automated registration of courses, attendance monitoring, registration for examination, Exam fees payment, generation of Hall Ticket.**
- **From ERP (performance module) CIA marks and attendance data are fetched by CoE server automatically for further processing.**
- **ESE scripts are allotted with bar coded dummy numbers before evaluation and bundled with 25 scripts each identified with an unique number.**
- **Evaluation of answer scripts, marks uploading are done using the login id credentials given to each of the evaluators (external).**
- **The server at CoE's office automatically integrates both internal as well as ESE marks towards declaration of the results.**
- **Fetching data of examiners for theory and practical, alongside assistant/ lab technician's credentials are stored and processed for paying the remuneration. This ICT integration reduced manual processing and errors considerably.**
- **Students grievances on evaluation are easily handled with**

the system enabled retrieval of data.
- The software enables CoE for generation of a number of reports e.g., results processing, analysis of results for MIS, list preparation for forwarding to the University for the Award of degree.
- A number of 'service request' from the students and graduates are now made easier with the ICT enabled systems.

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

## 2.6 - Student Performance and Learning Outcomes

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

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

- College Website – www.kce.ac.in
- Proceedings of the Academic Council
- Display boards (HOD Cabins, Faculty Cabins, Classrooms, Department Office, Library, Laboratories)
- Course Plan
- Academic Calendar
- KCE News Letter
- Department and library notice boards
- Record notebooks, Pamphlets, brochures, stakeholders communications.

They are also disseminated in

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

- **Board of Studies meetings**
- **Department meetings**

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

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

**Attainment of Programme Outcomes**

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

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

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

**Attainment of Course Outcomes**

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

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

**Direct assessment:**

**Continuous Internal Assessment (CIA)/Model Exam, Unit Test, Assignment/Quiz and End Semester Examination.**

**Indirect Assessment:**

**Course End Survey, Programme Exit Survey and Alumni Survey.**

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional Information | [https://kce.ac.in/naac/2022-23/C2/AI/2.6.2b.pdf](https://kce.ac.in/naac/2022-23/C2/AI/2.6.2b.pdf) |

**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**

**892**

| 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 | [https://kce.ac.in/examinations/](https://kce.ac.in/examinations/) |

**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/internal-quality-assurance-cell-iqac/](https://kce.ac.in/internal-quality-assurance-cell-iqac/)

**RESEARCH, INNOVATIONS AND EXTENSION**

**3.1 - Promotion of Research and Facilities**

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

implemented

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

1. Providing generous seed funding to faculty to establish their laboratories and kick start their research.

2. Providing Seed grants to faculty and students to enable them to participate and present papers in International Conferences / Workshops.

3. Providing financial supportfor start-ups to students and faculty members.

4. Encouragingthrough cash incentives for faculty members in terms of percentage of grant received.

5. Providingincentivefor faculty members for their Journal Publication and Patent Filing.

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

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

**3.1.2 - The institution provides seed money to its teachers for research**

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

**20.58**

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

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

**0**

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

**3.2 - Resource Mobilization for Research**

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

**71.67**

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

**3.2.2 - Number of teachers having research projects during the year**

**32**

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional Information | https://kce.ac.in/naac/2022-23/C3/AI/3.2.1b.pdf |
| List of research projects during the year | [View File](#) |

**3.2.3 - Number of teachers recognised as research guides**

**29**

| 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

**11**

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

## 3.3 - Innovation Ecosystem

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

The institute is recognised with 4star rating from the IIC,The institution is having a dynamic Center for Innovation "Karpagam Innovation Centre (KIC)" which encourages development of indigenous products. The Centre bridges the gap between Lab to land for commercialization. KIC works for entrepreneurial training and IPR facilitation. It encourages the involvement of students and faculty in start-up activities. KIC ensures interaction between Academia and industry and alignment of education with market demands. The Centre organises Entrepreneurship Awareness Camps, Entrepreneurship Development Programmes, Faculty Development Programmes and Skill Development Programmes in the institution. The Centre initiates innovative student projects each year for new innovative product development. KIC organizes regular meetings with entrepreneurs which offers mentorship schemes to various budding student entrepreneurs. It believes that innovation blossoms through offering a wide scope of programs at one stop. The center is to provide Skill Development to the youth. KIC makes innovative ideas to blossom into startups.

Another initiative of the institution is to promote industry-oriented skills under AICTE-PMKVY project in line with 'Make in India' and 'Skill India' mission in young people. PMKVY is a leading outcome-based skill development initiative by Ministry of Skill Development and Entrepreneurship.The objective of this Skill Certification Scheme enables an Indian youth in large number to take up industry-relevant skill training which helps them in securing a better livelihood.

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

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

82

| File Description | Documents |
|---|---|
| Report of the events | [View File](#) |
| List of workshops/seminars conducted during the year | [View File](#) |
| Any additional information | [View File](#) |

## 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**

4

| 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**

166(0.55)

| File Description | Documents |
|---|---|
| List of research papers by title, author, department, and year of publication | View File |
| Any additional information | View File |

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

106

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional information | https://kce.ac.in/naac/2022-23/C3/AI/3.4.4.pdf |

**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**

760

| File Description | Documents |
|---|---|
| Any additional information | No File Uploaded |
| 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**

14

| File Description | Documents |
|---|---|
| Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution | View File |
| Any additional information | No File Uploaded |

**3.5 - Consultancy**

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

46.27

| 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 | No File Uploaded |

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

0.79

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

**3.6 - Extension Activities**

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

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

The following activities were conducted to achieve the objectives. 1. In order to maintain cleanliness in and around the Campus and to create awareness about the role of clean environment in human health, voluntary activities were organized by students under the "National Swachh Bharat Abhiyan".

2. Four villages viz Arisipalayam, Myleripalayam, Okkilipalayam and Nanjundapuramthrough the Unnat Bharat Abhiyan .

3. Various programmes like Blood Donation Camps, Health Check-up Camps, Awareness about HIV/AIDS, Dental Check-up Camps were organized to sensitize people on health issues in the adopted village during NSS Special camp.

4. To promote empathy among students, visit to orphanages and old age homes are arranged. They are supplied with necessary provisions and groceries.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional information | [https://kce.ac.in/nss/](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**

13

| 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 | [View File](#) |

**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)**

96

| 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**

**3484**

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

**3.7 - Collaboration**

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

**14**

| 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)**

**42**

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

**INFRASTRUCTURE AND LEARNING RESOURCES**

**4.1 - Physical Facilities**

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

The institution functions in the own lands of 28.23 acres with 86853.41 square feet buildings. The institution has facilities such as classrooms, laboratories, hostels, playgrounds etc.The infrastructure facilities required for programmes offered is adhered to the requirement specified by competent authorities namely AICTE and Anna University.

All the classrooms in the institution are ICT enabled which enhances the teaching and learning experience. Classrooms are equipped with the Smartboard, LCD Projectors, Computer with internet connection and Audio systems. Smart classrooms enable visualization of real-life applications within class through online resources. The campus is Wi fi enabled to facilitate e-learning. There are 10 Centres of Excellence across the institution to enable research culture among the students. A well-equipped library with online video lecture facilities through NPTEL, DELNET etc. are available. Each department has a well-equipped laboratories as per the requirements of AICTE.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional information | [https://kce.ac.in/naac/2022-23/C4/AI/4.1.1b.pdf](https://kce.ac.in/naac/2022-23/C4/AI/4.1.1b.pdf) |

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

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

The institution has well equipped facilities for indoor and

outdoor games at an area of 6 acres. It has indoorauditoriumwith a seating capacity of 2000. It has oneopen air ampi-theatre which especially used for Cultural activities and Lectures in the evening hours. Also, the Auditorium, LBS hall and MG hall are used for cultural activities. Gym facilities are available with well equipped fitness equipments. A yoga Centre is available in the campus to improve the mental well-being of the students.

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

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

**84**

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| 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)

**1941.72**

| File Description | Documents |
|---|---|
| Upload audited utilization statements | No File Uploaded |
| Details of Expenditure, excluding salary, during the years | [View File](#) |
| Any additional information | No File Uploaded |

## 4.2 - Library as a Learning Resource

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

**LMS software enables:**

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

**Central library is fully automated, information such as Periodicals, Project reports and Back volume database are added in the latest versionof LMS.**

**LMS upgraded software enables:**

- **Tracking of lend items – It enables library faculty to track the book status such as due return date, lender of the book.**
- **Modifications in data of Books/ Journals/ Periodicals/ Back Volumes as and when required through the approved from the competent authorities.**

| 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 | View File |

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

**22.035**

| File Description | Documents |
|---|---|
| Audited statements of accounts | No File Uploaded |
| Any additional information | View File |
| 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**

**1200**

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

**4.3 - IT Infrastructure**

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

**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 (Fortigate FG 600E 2x 10GE SFP + slots, 10 x GE RJ45 ports, including 1 x MGMT port, 1 x HA port, 8 x switch port, GE SFP hardware accelerated, 2 x 240 GB Internal onboard SSD storage.). The firewall policy is formulated to initiate Web Blocker, Intrusion Prevention System(IPS), Application Control, AntiSpam , Antivirus and Proxy Avoidance etc.**

**Wi-Fi Connectivity**

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

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional information | [https://kce.ac.in/naac/2022-23/C4/AI/4.3.1b.pdf](https://kce.ac.in/naac/2022-23/C4/AI/4.3.1b.pdf) |

## 4.3.2 - Student - Computer ratio

| Number of Students | Number of Computers |
|---|---|
| 4561 | 1526 |

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |

| **4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus** | **A. ?50 Mbps** |
|---|---|

| File Description | Documents |
|---|---|
| Details of bandwidth available in the Institution | [View File](#) |
| Upload any additional information | [View File](#) |

| **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/2022-23/C4/AI/4.3.4a.pdf](https://kce.ac.in/naac/2022-23/C4/AI/4.3.4a.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)**

**2429.50**

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

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

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

The LAN system, Campus Wi Fi facilities, CCTV, Computing facilities, Printers,UPS andaccessories are coming under the Purview of CCF (Central Computing Facility). Gymnasium, indoor game facilities are monitored and maintained by the physical education department.

| 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

2582

| 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**

**275**

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| 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**

**4561**

| File Description | Documents |
|---|---|
| Any additional information | View File |
| Number of students benefited 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** | **A. All of the above** |
|---|---|

| 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 | |
|---|---|

| File Description | Documents |
|---|---|
| Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee | View File |
| Details of student grievances including sexual harassment and ragging cases | View File |
| Upload any additional information | View File |

## 5.2 - Student Progression

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

**782**

| 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

**23**

| 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**

**5**

| 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**

**23**

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

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

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

- **IQAC**
- **BoS**
- **Anti-Ragging Committee**
- **Complaints and Redressal Committee**
- **Common Course Committee**
- **Class Committee**
- **Department associations**
- **Mess Committee**
- **Sports,**
- **Placement**

- Culture clubs
- NSS
- Rotaract club etc,.

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

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional information | https://kce.ac.in/internal-quality-assurance-cell-iqac/ |

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

36

| File Description | Documents |
|---|---|
| Report of the event | [View File](#) |
| List of sports and cultural events / competitions organised per year | [View File](#) |
| Upload any additional information | No File Uploaded |

## 5.4 - Alumni Engagement

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

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

KCE Alumni Association to coordinate and support the alumni activities to promote Institution's academic, soft skill of the student, industry interface, placement/internship, research, and outreach programs to facilitate communication with alumni,

strengthen alumni bonds of fellowship, institutional affiliation and professional association. Alumni are recommended to stay connected with institution to guide, advocate and recommend, by leveraging their resource, talents to achieve department's goals and mission. To inculcate culture of philanthropy among alumni, to ensure that alumni continues to contribute their time and financial resources for the betterment of the stakeholders ofthe Institution.

By inviting alumni, career guidance program is being organized since they are having huge exposure from the various sectors which benefits to existing student community. To arrange workshops, debates, seminars, Hands on training on current trends in technology.

To appreciate their gesture, the institution has taken an initiative to recognize the Alumni and award them as icons of KCE in the following categories namely,

1) Societal Impact Award

2) Professional Excellence Award

3) Dynamic Entrepreneur Award.

4) R&D/ Academic Excellence 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. The managing trustee is the Chairman of the governing council and the Principal is the member secretary with one eminent person from AICTE, one UGC nominee, One from University, two eminent persons from industry and four senior faculties as members. The strategic plans of the institution framed are reflective on the Vision and Mission of the institution and by the needs of the corporate world, society and stakeholders. The governing council takes decisions regarding the introduction of new courses, augmentation of infrastructure, formulation and implementation of strategy for the future growth. The implementation process is further delegated to Heads of the departments for execution.

The Principal chairs the Academic Council (AC), which is composed of industry experts, alumni, academic specialists, and the chairperson of each Board of Studies (BoS). It convenes twice a year to improve curriculum, rules, and the teaching-learning process. Employers, parents, alumni, and students are also members of groups that can offer insightful recommendations for attaining the vision and mission of the institution.

The perspective academic plans are prepared by the Principalin consultation with the Dean / Director and the HODs. The academic calendar gives schedule for lesson planning, internal assessment tests, conferences, workshops, seminars, FDPs, club activities, sports day, graduation day, industrial visits, celebrations etc. In consultation with the Principal, HODs prepare the operational plan for their respective departments. Faculty members are assigned with the roles and responsibility to work in the environment with complete transparency.

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for additional Information | https://kce.ac.in/naac/2022-23/C6/AI/6.1.1b.pdf |

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

The institution has delegation of authority at various levels to provide functional autonomy. The Governing Council is the apex

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

The decentralization and participative management are practiced in all the activities. In the forum/ clubs like Technext forum, My campus clubs, Professional societies, Statutory and Non-Statutory committe, the Principal as the head of the institution stands as the chairperson with a faculty as a coordinator and faculty members and students as members. The activities are planned in advance after due brain storming sessions and upon approval by the management the events are executed accordingly. The follow-up reviews of the activities are conducted periodically and are properly documented.

Participative management is encouraged and motivated by including faculty members in the statutory bodies such as Governing council, Academic council, Finance Committee, Board of Studies, Disciplinary Committee, Anti Ragging Committee, and other Institutional level committees.

| 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/2022-23/C6/AI/6.1.2b.pdf |

## 6.2 - Strategy Development and Deployment

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

The institutional strategic Plan for the next five years is prepared by a series of discussions involving the various stakeholders of the institute. It starts with the collection of the feedback from various stakeholders and discussion at the college level involving the representatives of the management,

Principal, Deans, Directors and Head of the Departments.

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

1. Introducing innovative teaching-learning method like smart classrooms and campus wide availability of digital course content

2. Establishing Centres of Excellence in niche and emerging technologies and to enter into collaborative research through Industry - Institute partnerships

3. By instituting seed money for incubating projects and innovative products through its incubation centre.

4. Special focus on developing environment friendly and clean energy harvesting through solar and other forms.

5. Creating endowments to fund for research and scholarly publications and organise events and programmes to encourage students and faculty.

6.Developing pollution free energy pack such as batteries for solar and automotive applications.

7. Improve academic interaction and participation of institutes/ universities of national and international eminence in order to facilitate learning, innovation and research.

8. To develop strategies to retain quality faculty through incentives, enhanced research facilities and welfare measures.

| File Description | Documents |
|---|---|
| Strategic Plan and deployment documents on the website | [View File](View File) |
| Paste link for additional information | https://kce.ac.in/naac/2022-23/C6/AI/6.2.1.pdf |
| Upload any additional information | [View File](View File) |

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

Principal:

- The detailed preparation of a consolidated annual college budget to addresses the strategic aims established by the governing council.

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

Dean

- Responsible for the upskilling and qualification improvement of the faculty.
- Responsible for improving the research activities among the faculty.

Head of Departments:

- Ensure the adherence of code of conduct among students and faculty members of their respective departments.
- Responsible for course workload allocation and implementation of the teaching learning process successfully.
- In consultation with Principal take appropriate corrective/preventive actions for the feedback given by both students and parents regarding student discipline and teaching learning progress.
- Equipping the laboratories and preparation for statutory compliances, accreditations.

| File Description | Documents |
|---|---|
| Paste link to Organogram on the institution webpage | https://kce.ac.in/naac/2022-23/C6/AI/6.2.2b.pdf |
| Upload any additional information | View File |
| Paste link for additional Information | https://kce.ac.in/naac/2022-23/C6/AI/6.2.2c.pdf |

| **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 institution and therefore the college is focusing on their contribution and recognize their needs and requirements. The physical and mental health of the employees is enriched by these welfare measures and thus nurtures a dynamic and encouraging work atmosphere. This improves the effectiveness of the teaching learning process and commitment to the job.**

**Avenues for Career Development and Progression:**

**1. Staffare encouraged to pursue higher studies and completed staffs are promoted to next grade**

**2. Seed money is provided to carry out the research projects**

3. Incentives for quality research publications and securing sponsored projects

4. Financial assistance for National/ International conferences/ workshops

5. Rewards for completion of NPTEL/online certification courses

The following list shows the various welfare initiatives of the institution:

Teaching staff:

1.Free medical facility provided.

2.Subsidized transport facilities

3.All the non-doctoral faculties are encouraged to get enrolled for Ph.D. program in various Universities. Providing on duty to pursue Ph.D.

4.Registration fees for attending conferences, workshops and FDPs in their field of interest.

5.Providing professional body membership fees.

6.Employee Provident Fund / gratuity.

7.Special leave for religious festivals.

8.Winter and summer vacations.

9.Gifts during teacher's day celebration

10.Cafeterias and Stores facilities in the campus.

11.Subsidized Hostel facility

Supporting staff:

1.Free medical facility

2.Employee Provident Fund / gratuity

3.Winter and summer vacations

**4.Free accommodation in hostel for out station employees**

**5.Free transport facilities**

**6.Cafeterias and Stores**

**7.Encouragement for acquiring additional qualification/certifications.**

| 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**

**148**

| 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**

**30**

| 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.)

**290**

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

## 6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

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

The accounts department uses "Tally" software for the purpose. Day book, journals, heads of different accounts are entered and regularly monitored for accuracy. The day book is tallied on a regular basis internal auditors conduct 'concurrent audit' and highlight errors, if noticed. The internal audit checks the transactions by receiving the papers / details from the finance officer. The financial transactions broadly covered are from a) Purchase b) Revenue on different programmes organized such as conferences, seminars, sports and cultural, administrative c) Construction activities d) Maintenance of the infrastructure facilities e) Services extended in the academic process such as transport, catering, cleaning. Thus, the correction and rectification are regularly done. General ledger posting / tallying is done with the help of software provided. Periodically i.e.., monthly books of accounts are verified by the internal auditors. After the verification and corrections, the books are submitted to external auditors empaneled for the audit of books of accounts. The external auditors not only verify accuracy and the system of accounting but also qualify over the internal auditors. After scrutiny, the external auditor will forward 'audit objections' to the finance officer.

| File Description | Documents |
|---|---|
| Upload any additional information | **No File Uploaded** |
| Paste link for additional information | https://kce.ac.in/internal-quality-assurance-cell-iqac/ |

## 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)

**5**

| File Description | Documents |
|---|---|
| Annual statements of accounts | View File |
| Details of funds / grants received from non-government bodies, individuals, philanthropists during the year | View File |
| Any additional information | View File |

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

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

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

The above - mentioned funds are utilized for their respective activities.

Financial decisions will be made after consideration of the need for augmentation of campus infrastructure, the need for support and delivery of curriculum together with any additional tools and labs, the financial resources given to the college for up-keep of existing facilities and the priorities as identified in the college development plan for future needs.

Institution has been planning towards efficient use of budgeted

fund for each academic year. According to the guidelines specified by the Management and Principal, reports of sanctioned budget and actual expenses are periodically year-wise maintained. The fund is ideally utilized for the Students, Staff welfare, laboratory development, infrastructure, Library, etc.

The fund is utilized for student's activities such as organising symposium, workshops, conferences, cultural and sports events.The fund is also utilized for placement training and development programmes, value added courses, trust awards, cash award for rank holders, guest lecturers and industrial visits.

| File Description | Documents |
|---|---|
| Upload any additional information | **No File Uploaded** |
| Paste link for additional Information | https://kce.ac.in/internal-quality-assurance-cell-iqac/ |

## 6.5 - Internal Quality Assurance System

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

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

- To ensure quality in Teaching and Learning, assessment, upskilling and quality improvement across the institution.
- To integrate latest methods of teaching, learning and monitor its effect on the students' performance.
- To inculcate credibility and confidence procedure of evaluation and assessment among stakeholders.

The other initiative is the establishment of Centre for Excellence in Learning and Teaching (CELT). The same was inaugurated in December 2016 which organizes 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 as

normal and advanced learners. Numerous initiatives cater to the requirements are put together. The flip for such an exercise is got by the introduction Choice Based Credit system since 2015. Therefore, the students get fair treatment and leeway in their pursuit to attain proficient knowledge and skill as per their choice pace of knowledge.

Quality assurance strategy:

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

Post accreditation quality initiatives:

- Curriculum revision with latest courses
- Smart classrooms.
- Introduction of MOOCs.
- Soft skills and Employability enhancement courses
- Value added courses.
- Strengthen the Academic audit

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional information | https://kce.ac.in/naac/2022-23/C6/AI/6.5.1b.pdf |

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

It is always our endeavour to plan, implement, monitor for improvement and take corrective measures in Teaching Learning and Evaluation (TLE) process. To strengthen the internal academic audit, a number of initiatives have been taken. The first step being auditing of course delivery and related records maintained by each member of faculty. Further Outcome Based Education (OBE) methodology is implemented with good spirit. To disseminate the OBE contents, workshops are periodically organised for the benefit of staff members with our internal and external resource persons. Rigorous scrutiny of the evaluation

process is attempted such as question paper setting, answer key preparation, evaluation of scripts and mapping of course outcomes/ program outcomes for attainment of program educational objectives. This being an on-going exercise, Internal Academic Audit (IAA) is taking responsibility of continuously monitoring the TLE process and improvements.

Education employment focused:

- Value added courses are offered for the students to cater their expectations in the student's field of interest.
- The training program in aptitude and on programming from the second year has provided an opportunity to make themselves industry ready and face the recruitment process comfortably and confidently.
- The programming skills of the students are imparted by orienting and training them with Codechef/ HacherEarth, etc.
- The participation in the contest like smart India hackathon, Texas instruments have oriented the students to shift the conventional projects to societal need-based projects.
- Industry sponsored labs, industry offered syllabi have also improved the knowledge levell,coding/hardware ability andpsychomotor skills of the student.

| File Description | Documents |
|---|---|
| Upload any additional information | [View File](#) |
| Paste link for additional information | https://kce.ac.in/naac/2022-23/C6/AI/6.5.2b.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-iqac/ |
| Upload e-copies of accreditations and certification | View File |
| Upload details of quality assurance initiatives of the institution | View File |
| Upload any additional information | View File |

## INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

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

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

And also, to create awareness on aspects of campus life and safety. Prevention of Sexual Harassment (POSH) and Internal Complaints Committee (ICC) cells to prevent sexual harassment is operating in the campus since 2013 to ensure the female students and working faculty are free from sexual harassment issues. Also, it take care of fundamental rights of a woman to gender equity under Article 14 of the constitution.

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for additional Information | https://kce.ac.in/naac/2022-23/C7/AI/7.1.1b.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)

**Solid Waste Management**

**The different wastes generated in the campus are vegetable/ food waste, paper waste, E waste, dry - organic waste (leaves) and liquid waste/ sewage. The Institution has taken initiatives to segregate the solid waste at source as degradable and non-degradable wastes. Maximum waste generated is recycled and reused. For the same, all housekeeping staffs are trained to segregate waste at source before the waste is dumped for disposal. In KCE solid waste is managed by contractors who are allowed to collect the food and vegetable wastes for the livestock farm and it is being used as fodder.**

**Sewage Treatment Plant (STP)**

**The entirewaste water collected from the institute facilities are treated at the Moving Bed Bio Film Reactor Sewage Treatment Plant (STP) functioning inside the campus with a capacity of 500KLD. The treated water is used for maintaining the green cover of the campus which consists of 1410 plants.**

**e-waste management**

The e-wastes like empty toners, cartridges, scrap computers and other electronic items are collected and classified as scrap, ensuring their safe recycling entrusted to the vendors in the city. No major e-waste is generated here except computers, printers andother ICT equipment which cannot be reused are sold to vendors who do the disposal in accordance with the norms.

| 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:<br><br>1. Restricted entry of automobiles<br>2. Use of bicycles/ Battery-powered vehicles<br>3. Pedestrian-friendly pathways<br>4. Ban on use of plastic<br>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 | View File |

## 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:**<br><br>1. **Green audit**<br>2. **Energy audit**<br>3. **Environment audit**<br>4. **Clean and green campus recognitions/awards**<br>5. **Beyond the campus environmental promotional activities** | **A. Any 4 or all of the above** |

| 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 | View File |
| Any other relevant information | View File |

| | |
|---|---|
| **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** | **A. Any 4 or all of the above** |

**assistance, 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).

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

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

An inter college 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 the counterparts of other institutions.

Also, an inter college management meet for both UG and PG students is conducted every year under the name TAKSHAK. This platform enables the students to portray their co-curricular as

**well as extra-curricular competencies.**

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

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

**The fundamental duties and responsibilities of a citizen of India cited in the constitution is: We must obey our Country laws by with regards to the National Anthem and National Flag, protect the integrity, unity and power of our Country, paying our excises, protection of public assets, with trustworthiness, preserve and protect our cultural inheritance sites, safeguard, preserve and expand the natural environment, we must protect our country, to uphold the spirit of a mutual brotherhood, we must respect, value and follow all the noble ideals used in the national struggle for freedom, etc. The institution conducts special lectures on "Knowing about Constitution" where subject experts enlighten the students about the importance of the Indian constitution.**

**The institution takes pride in the fact that apart from preparing a sound academic foundation to the students, the Institution constantly works upon to develop them as good citizens of the country. The institution is organizing various activities to sensitize students and employees to the constitutional obligation: Values, Rights, Duties and responsibilities of the citizens. In this regard, KCE apart from imparting professional education, inculcates a feeling of oneness among the student community through various practices and programs.**

| File Description | Documents |
|---|---|
| Details of activities that inculcate values necessary to transform students into responsible citizens | [View File](#) |
| Any other relevant information | [View File](#) |

| **7.1.10 - The institution has a prescribed** | **A. All of the above** |
|---|---|

**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**

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

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

- **NSS day (24th September)**

| File Description | Documents |
| --- | --- |
| Annual report of the celebrations and commemorative events for during the year | View File |
| Geotagged photographs of some of the events | View File |
| Any other relevant information | 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

**"Academia Industry Collaboration"**

**Relationships between academia and industry are very important for all the industrial sectors. A good connection between industry and academia can create the necessary synergies to create innovations, to revise the curricula and adapt them to the needs of the industry, to promote the education centers as focal points in the industries, and to promote entrepreneurial activities among the students to contribute as catalysts of innovation, among others. It is then of crucial importance to fulfil the knowledge triangle, bringing together industry, academia, and research, and create an ecosystem including all stakeholders. The institution realises the need for changing times and future industry requirements and thus intends a predominant collaboration of today's industry in reorienting curriculum, leaving space of practical hours in the form of trainings and internships at these industries and specific interactions with industry associates in the form of workshops, conferences, symposia's etc. at the college campus.**

**"Academic and Administrative Audit"**

**The main goal is to make the teaching, learning and evaluation (TLE) a fruitful experience for the faculty and students to ensure effective course delivery and teaching methodology for the students.**

| File Description | Documents |
|---|---|
| Best practices in the Institutional website | https://kce.ac.in/naac/2022-23/C7/AI/7.2.1a.pdf |
| Any other relevant information | https://kce.ac.in/naac/2022-23/C7/AI/7.2.1b.pdf |

## 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)

Students are trained to maintain a proper balance between the 4 Q's of life namely Intelligence Quotient (IQ), Emotional Quotient (EQ), Spiritual Quotient (SQ) and Adaptability Quotient (AQ). Students join NSS and other clubs that are active in the institution through which they participate in extra-curricular activities and attend camps, field activities and competitions that focus on internalizing the value concepts among students and thereby improving their positive attitude towards life, feelings and emotions. 26 villages have been adopted under the NSS to which the management in association with the students extend their services like providing necessary facilities in their settlement, educating their kids and other services such as tree plantation, health awareness campaigns, Swachh Bharat / Unnat Bharat Abhiyan programmes etc.

Outcomes:

- By 7th semester of study many companies visit the campus and recruit our students. Many of the students who are getting placed are first graduate in their family.
- Students who opt for higher studies and entrepreneurship are fed with the skills that are necessary to attain their goal.
- Campus extension activities enables students to understand the real-life situations and how their contributions could make a big impact in the quality of life of a common man and make them as a good samaritan.

| File Description | Documents |
|---|---|
| Appropriate link in the institutional website | https://kce.ac.in/new/wp-content/uploads/2022/07/Institution-Distinctiveness.pdf |
| Any other relevant information | View File |

**7.3.2 - Plan of action for the next academic year**

1. Apply for Research Center Recognition for the department of CSE, Physics, and Mathematics from Anna University, Chennai, in order to support and strengthen the research environment within the institution.
2. To submit an application for NBA accreditation for the two undergraduate programmes Computer Science Engineering and Civil Engineering.
3. To Strengthen the industry interaction through MoUs, BOS members, Partial content delivery by industry personnel, field visits and etc.,
4. To apply for the funding from Government and Private funding agencies.
5. To improve the no. of Ph.Ds., Publications, Patents and Position the institution in NIRF Ranking.
6. To encourage the students to undergo more MOOCs, credit transfer and Sensitize the internal stake holders inline with NEP 2020.