

### YEARLY STATUS REPORT - 2022-2023

			P	art A			
	Data of the Institution						
1.	Name of the l	Institution		Krishnasamy Co	ollege of Engineer	ing & Technology	
•	Name of the	Head of the institu	ution	Dr.G.Elango			
•	Designation			Principal			
•	Does the inst campus?	titution function fi	rom its own	Yes			
•	Phone No. of	f the Principal		04142 - 285607			
•	Alternate pho	one No.		04142 - 285609			
•	Mobile No. (	(Principal)		9942115224			
•	Registered e-	-mail ID (Principa	1)	principalofficeko	cet@gmail.com		
•	Address			Nellikuppam Ma S.Kumarapuram			
•	City/Town			Cuddalore			
•	State/UT			Tamilnadu			
•	Pin Code			607 109			
2. I	nstitutional st	tatus					
•	Autonomous Status (Provide the date of conferment of Autonomy)		No				
•	TD CT		Private and Self Financing				
•	Location		Rural				
•	Financial Status		Self-Financing				
•	Name of the IQAC Co-ordinator /Director		Mrs. R. Shenbagavalli				
•	Phone No.			04142 - 285607			
•	Mobile No:			7598396350			
•	IQAC e-mail	l ID		kcetiqac4213@gmail.com			
	eb site addre vious Acaden	ss(Weblink of the	e AQAR	https://kcet.in/report/			
4. W year		mic Calendar pro	epared for that	Yes			
•	• If yes, whether it is uploaded in the Institutional website Web link:			vp- s/2024/04/ACAD 2022-2023-pages			
5.A	ccreditation I	Details					
Су	vcle	Grade	CGPA	Year of Accreditation	Validity from	Validity to	
	Nil	Nil	Nil	Nil	Nil	Nil	
<b>6.D</b>	ate of Establi	shment of IQAC	l	01-08-2016	l	ı	

## 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	Scheme	Funding Agency	Year of Award	Amount
/Department /			with Duration	
Faculty / School				
Nil	Nil	Nil	Nil	Nil

#### 8. Provide details regarding the composition of the IQAC:

Upload the latest notification regarding the composition of the IQAC by the HEI	<pre>IQAC-Members-2023-2024.pdf   (kcet.in)</pre>
9. No. of IQAC meetings held during the year	4
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	https://kcet.in/minutes-of-meeting/
10. Did IQAC receive funding from any funding	No
agency to support its activities during the year?	
If yes, mention the amount	-

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

IQAC has made significant contributions in the following manner:

- 1. Establishing Alumni Association in college and holding interaction meetings.
- 2. Taken green Initiatives to protect environment.
- 3. Initiating Student Satisfaction Survey and Parents Feed Back mechanism.
- 4. IQAC has initiated updating of college website with faculty profiles, department profiles, profiles of different societies etc.
- 5. Introduced value-added programs like Indian Knowledge Systems (IKS) and various other courses.
- 6. Collects feedback from stakeholders and initiates improvements.

## 12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:

Plan of Action	Achievements/Outcomes
Admission Aspect	<ul> <li>Admitting students from socio-economically marginalized in alignment with Institution Vision</li> <li>Proposed to strengthen admission committee.</li> <li>Plan to enhance overall enrolment of students in all streams</li> </ul>
Staff Quality and Diversity	Appoint qualified, experienced and committed staff members as per AICTE Norms.

Date

17/05/2024

Teaching days as per the UG mandate -Quality teaching - Learning Process with Department teaching-learning-evaluation plan intent of ensuring enhanced learning outcomes. Mentoring support, Remedial program for slow learners, Career development programs and Counseling sessions. Student Support, Development and Recognition 13. Was the AQAR placed before the statutory No body? Name of the statutory body Name of the statutory body Date of meeting(s) 14. Was the institutional data submitted to YES AISHE? Year

#### 15. Multidisciplinary / interdisciplinary

Year

2022

Krishnasamy College of Engineering and Technology has been originated as a nerve centre of quality education for the rural youth. The faculty members sow the seeds of confidence to make the students flourish globally and the top notch guidance in learning innovative ideas stepping the students to reach the highest place. The sole objective of the institution is to create centre of excellence for providing knowledge and the institute strengthens the knowledge of the students by offering a variety of value-added courses and multidisciplinary flexible curriculum.

#### 16.Academic bank of credits (ABC):

The only motto of the institute is to focus on teaching learning practices to bring innovations in the field of education also the college introduces various schemes from time to time for quality assurance. Continuing the chain of building transformative educational setup and as part of our commitment to NEP 2020, we encourage our students to be a part of "Academic Bank of Credits" (ABC) as it helps to manage and check the credits earned and promote academic flexibility, student-centric education. Our institute motivates the students to learn the best courses of their own interest and learning path. The students are encouraged to learn and earn credits through online mode in SWAYAM, NPTEL, etc. it plays a vital role in offering digital learning and assessment.

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

The institution emphasizes the bilingual mode of teaching particularly for the Tamil medium students and individual attention is given during tutorial sessions. Also the institution conducts a number of awareness programmes to the students on environment, ancient knowledge and tradition of our country through such clubs. As a part of curriculum, the first year students are learning Heritage of Tamil as it is prescribed by the university. To enhance the communication skill, spoken English course is also offered by the institution.

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

Outcome based education has been implemented in our institute to impart education through student centric approach and follow outcome oriented teaching learning process. Academic calendar is prepared before the commencement of class work for every semester. Faculty members prepare a lesson plan keeping in view of the syllabi offered by the Anna University. Questions in the internal assessment and assignments are framed such that the assessments of the entire COs are properly made. Based on the performance of students and target fixed for attainment of each CO, assessment of attainment of COs are computed. If the target is not achieved corrective action will be taken by the faculty members.

#### 20.Distance education/online education:

Apart from traditional teaching methods, the students are taught by the online learning and assessment through Google classroom. The faculty members also send their notes and materials prepared by them for the students through Whatsapp. Each department has been accessed with NPTEL link so that they can view the videos in their respective subjects. The students are offered many certificate courses and value added courses in recent trends to meet the future challenges in the society

# 1.1 Number of programmes offered during the year: 2

Sl.No.	Programme	Name of the Programme	
1.	Under Graduate	Bachelor of Engineering	
2.	Post Graduate	Master of Engineering	
2.		Master of Computer Applications	

#### 2.Student

2.1 Total number of students during the year:	982

Sl.No.	Name of the Department	Number of Students
1.	B.E- Civil Engineering	65
2.	B.E – Computer Science & Engineering	228
3.	B.E- Electrical & Electronics Engineering	185
4.	B.E – Electronics & Communication Engineering	204
5.	B.E- Mechanical Engineering	176
6.	M.E-Computer Science & Engineering	4
7.	M.E- Embedded Systems Technologies	3
8.	M.C.A	117
Total number of Students		982

2.2 Number of outgoing / final year students	234
during the year:	

Sl.No.	Name of the Department	Number of Out going / Final Year Students
1.	B.E- Civil Engineering	15
2.	B.E – Computer Science & Engineering	44
3.	B.E- Electrical & Electronics Engineering	24

4.	B.E – Electronics & Communication Engineering	44
5.	B.E- Mechanical Engineering	45
6.	M.E-Computer Science & Engineering	3
7.	M.E- Embedded Systems Technologies	2
8.	M.C.A	57
Total number of Students		234

2.3 Number of students who appeared for the
examinations conducted by the institution during
the year:

956

Sl.No.	Name of the Department	Number of Students
1.	B.E- Civil Engineering	62
2.	B.E – Computer Science & Engineering	224
3.	B.E- Electrical & Electronics Engineering	178
4.	B.E – Electronics & Communication Engineering	198
5.	B.E- Mechanical Engineering	170
6.	M.E-Computer Science & Engineering	3
7.	M.E- Embedded Systems Technologies	4
8.	M.C.A	117
Total number of Students		956

#### 3.Academic

3.1 Number of courses in all programmes during	8
the year:	

Sl.No.	Name of the Programme	Number of Courses
1.		B.E- Civil Engineering
2.		B.E – Computer Science & Engineering
3.	Under Graduate Programme	B.E- Electrical & Electronics Engineering
4.		B.E – Electronics & Communication Engineering
5.		B.E- Mechanical Engineering
6.		M.E-Computer Science & Engineering
7.	Post Graduate Programme	M.E- Embedded Systems Technologies
8.		M.C.A
Total number of Courses		8

3.2 Number of full-time teachers during the year:

63

Sl.No.	Name of the Programme	Number of Full Time Teacher
1.	B.E- Civil Engineering	5
2.	B.E – Computer Science & Engineering 11	
3.	B.E- Electrical & Electronics Engineering 11	
4.	B.E – Electronics & Communication Engineering 7	
5.	5. B.E- Mechanical Engineering	
7. M.C.A 6		6
8. Science & Humanities		14
Total Number of full-time teachers		63

3.3 Number of sanctioned posts for the year:

**68** 

Sl.No.	Name of the Programme	Number of Sanctioned Post
1.	B.E- Civil Engineering	6
2.	B.E – Computer Science & Engineering	9
3.	B.E- Electrical & Electronics Engineering	9

#### **Annual Quality Assurance Report of KCET**

	4.	B.E – Electronics & Communic	eation Engineering	9	
	5.	B.E- Mechanical Engineering		9	
	6.	M.E-Computer Science & Engi	neering	3	
	7.	M.E- Embedded Systems Techn	nologies	3	
	8.	M.C.A		9	
	9.	Science & Humanity		11	
	Total N	fumber of sanctioned posts		68	
4.Institution					
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:		214			
	4.2 Total number of Classrooms and Seminar halls		40		
4.3 Total number of computers on campus for academic purposes		532			
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):		232.08			

#### Part B

#### **CURRICULAR ASPECTS**

#### **Curriculum Design and Development**

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.

#### **Response:**

Krishnasamy College of Engineering & Technology is committed in providing excellent education through a meticulous approach in evaluating Program Outcomes (POs) and Course Outcomes (COs), aligned with the guidelines outlined in the AICTE examination reforms.

The process of assessing programme outcomes and course outcomes are divided into two categories such as direct method and indirect method. Direct method shows the student's knowledge and skills from their performance in the internal assessment tests, assignments, end semester examination etc. Indirect method is used to assess opinions or thoughts about student knowledge or skills through Course Exit Survey (CES) and Program Exit Survey (PES).

#### **CO** Attainment:

The COs are mapped against each question and analysis are carried out by our faculty members for each course and documented in faculty course file. The contribution of COs is assessed in high, moderate and low levels, towards the attainment of POs/PSOs. COs and BTL are mapped with Internal assessment Test (IAT) question papers prepared by course instructors.

For all courses 80 percent weightage given to direct attainment of assessment tools such as Internal Assessment tests, Assignments and end semester exams 20 percent weightage given to indirect attainment by course exit surveys.

#### **POs and PSOs Attainment:**

Based on course outcomes, direct attainment of POs and PSOs is calculated at the end of every semester and by the time of course completion of each batch of students. Indirect attainment of POs and PSOs is done through Program Exit Survey. The final PO attainment is achieved by 80 percentage and 20 percentage weightage through direct and indirect methods respectively.

#### COs, POs and PSOs attainment calculation are as follows.

Course wise threshold value (attainment) shall be fixed based on bench marks by the faculty in correction with HoD concern, while level of attainment is fixed by IQAC for each batch. Based on the assessment procedure, the COs articulation matrix is calculated for each course. COs Attainment is calculated based on the marks scored by the students in IAT1, IAT2, Model Examination, End Semester Examination and CES. The gap is reviewed and analyzed, thereby adopting the teaching-learning methods. If the attainment is achieved, it is inferred that CO is achieved for that course. Finally POs are mapped with COs for each course at the end of the programme; i.e., Final COs-POs attainment Matrix. If the POs/PSOs attainment is less than the target, reform the teaching and learning method in order to improve students' performance in

consultation with Head of the Department. The overall process of calculating COs, POs, and PSOs are explained uploaded document.

File Description	Documents
Upload additional information, if any	https://kcet.in/wp- content/uploads/2024/06/procesu re.pdf
Link for additional information	https://kcet.in/wp- content/uploads/2024/06/2.6.2- evi.pdf

#### - Number of Programmes where syllabus revision was carried out during the year: R2021

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	No File Uploaded
Details of syllabus revision during the year	https://kcet.in/curriculum-syllabus/
Any additional information	No File Uploaded

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

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

#### - Academic Flexibility

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

File Description	Documents
Minutes of relevant Academic Council/ BoS meetings	No File Uploaded
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	No File Uploaded

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

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	No File Uploaded
Any additional information	No File Uploaded
List of Add-on/Certificate programs (Data Template)	No File Uploaded

#### - Curriculum Enrichment

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

Our institution follows the curriculum prescribed by Anna University, Chennai. Cross-cutting topics like gender equality, the environment and sustainability, human values, and professional ethics are well interwoven into the Anna University curriculum. Environmental Science and Engineering is a mandatory course in all under graduate degree programmes. Krishnasamy College of Engineering & Technology emphasizes gender equality in every aspect. Both genders possess equal opportunity in all co-curricular and extracurricular activities. Women Empowerment Center has been set up with the purpose of empowering female students and staff. In addition, it creates awareness about women's issues in society and giving hands to face the obstacles with courage. It strengthens the women, through a variety of initiatives such as guest lectures, seminars, workshops, awareness programme, and welfare activities. On top of that women are motivated in getting their rights and human values in the society. Besides, other activities such as International Women's Day, International Yoga Day and Meditation are held in the college campus to make them more potential in all their endeavors.

#### **Professional Ethics**

As Engineering is a highly esteemed profession, honesty, integrity, impartiality, and equity are must have qualities. Engineers are trained to perform under a code of Professional Ethics that would have the highest principles of ethical standard. Institute has equal importance for professional ethics along with academics because knowingly and willingly none should involve in wrong behaviour. Professional ethics encompasses personal and corporate standards of behaviour expected by professionals. The students of different branches in Engineering study Professional Ethics that address to learn moral values. The institute organizes various personality development programme through Training & Placement cell to increase the employability of students. Industrial Visits and Internships are included in curriculum and experts from corporate are invited to share their views to understand corporate standards and culture. Environment and Sustainability: In order to integrate the cross cutting issues relevant to environment and sustainability,

University has included different types of courses in the curriculum to bring awareness among the students. All programme have compulsory courses for Environmental Science and Engineering in first and second year curriculum. In this subject, students study basic components of environment and its application to tackle issues such as pollution control, green gases etc. Renewable energy sources, Hospital management and are included to create awareness among the students about Environmental issues.

The institution has taken the efforts to give awareness on environmental issues and its sustainability to society through extension activities by NSS. Students indulged in Rotract club which motivated them to engage in Tree Plantation. The institution has taken the efforts to give awareness on environmental issues and its sustainability to society through extension activities by Tree plantation, and collection of E-Waste day event.

File Description	Documents
Upload the list and description of the courses which address issues	https://kcet.in/wp-
related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	content/uploads/2024/06/1.3.1- List-of-syllabus-DS.pdf
Any additional information	https://kcet.in/wp- content/uploads/2024/06/1.3.1- List-of-Programmes-DS.pdf

## - Number of value-added courses for imparting transferable and life skills offered during the year: 24

Sl.No.	<b>Course Code</b>	Name of Value added Course
1.	CE-VAC2201	SAFETY IN CONSTRUCTION WORKS
2.	CE-VAC2202	ADVANCED EQUIPMENTS APPLICATION IN CONSTRUCTION
3.	CE-VAC2203	MATERIAL CALCULATION FOR RESIDENTIAL BUILDING
4.	CE-VAC2204	BUILDING DRAWINGS AND DETAILING
5.	CS-VAC2201	FREE AND OPEN SOURCE SOFTWARE
6.	CS-VAC2202	COMPUTER GRAPHICS
7.	CS-VAC2203	INTEGRATED PROGRAMMING
8.	CS-VAC2204	DATA INFORMATION SECURITY
9.	EE-VAC2201	INTRODUCTION TO SMPS AND UPS
10.	EE-VAC2202	APPLICATION OF MODERN POWER CONVERTERS
11.	EE-VAC2203	MODERN CONVERTERS
12.	EE-VAC2204	POWER SYSTEM STABILITY
13.	EC-VAC2201	MEMS DESIGN
14.	EC-VAC2202	DESIGN OF SENSORS
15.	EC-VAC2203	MEDICAL ELECTRONICS
16.	EC-VAC2204	ADVANCED ELECTRONICS IN MEDICAL

17.	ME-VAC2201	3D PRINTING
18.	ME-VAC2202	FUNDAMENTALS OF ELECTRIC VEHICLES
19.	ME-VAC2203	CNC FUNDAMENTALS
20.	SH-VAC-2201	HARDWARE BASICS
21.	SH-VAC-2202	TIME MANAGEMENT
22.	MCA-VAC2201	ARTIFICIAL INTELLIGENCE USING
	WICA-VAC2201	MACHINE LEARNING
23.	MCA-VAC2202	CRYPTOGRAPHY AND NETWORK
	IVICA- VAC2202	SECURITY
24.	NOC22-CS65	BIG DATA COMPUTING (NPTEL)

#### Number of students enrolled in the courses under 1.3.2 above: 1517

File Description	Documents
List of students enrolled	https://kcet.in/wp- content/uploads/2024/06/R-A- CE-VAC2201-Safety-in- Construction-Works.pdf
Any additional information	https://kcet.in/wp- content/uploads/2024/06/R- A-Learn-to-design-your- own-solar-home-systems.pdf

- Number of students undertaking field work/projects/ internships / student projects: 569

File Description	Documents
List of programmes and number of students undertaking field projects /	
internships / student projects	
Any additional information	No File Uploaded

#### **Feedback System**

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

File Description	Documents
Provide the URL for stakeholders' feedback report	https://kcet.in/feedback/
Upload the Action Taken Report of the feedback as recorded by the	No File Uploaded
Governing Council / Syndicate / Board of Management	
Any additional information	No File Uploaded

#### -The feedback system of the Institution comprises the following

Documents
https://kcet.in/wp-content/uploads/2024/06/ATR-
<u>2022-23-1.pdf</u>
https://kcet.in/wp- content/uploads/2024/06/Feedback-Analysis-
AY-2022-23-1.pdf

#### TEACHING-LEARNING AND EVALUATION

**Student Enrollment and Profile** 

**Enrolment of Students** 

Number of students admitted (year-wise) during the year: 306

File Description	Documents
Any additional information	https://assessmentonline.naac.go v.in/storage/app/hei/SSR/116790/ 2.1.1 1719396869 15449.pdf
Institutional data in prescribed format	https://kcet.in/wp- content/uploads/2024/06/22-23- AU-DOTE-merged.pdf

Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats): 166

File Description	Documents
Any additional information	https://assessmentonline.naac.go v.in/storage/app/hei/SSR/116790/ 2.1.2 1719401178_15449.pdf
Number of seats filled against seats reserved (Data Template)	https://kcet.in/wp- content/uploads/2024/06/DOTE- UG-PG-22-23-merged.pdf

#### **Catering to Student Diversity**

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

(Description 200 words)

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

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

Year	Number of Students	Number of Teachers
2022 - 2023	1450	63

File Description	Documents
Upload any additional information	https://kcet.in/wp-content/uploads/2024/06/2022-2023.pdf

#### **Teaching-Learning Process**

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

The sole aim of the institute is to primarily strengthen the academic potential of the students. The student centric approach encourages the students to get fruitful educational experiences. Different types of student centric strategies are created to increase active participation in experiential learning, participatory learning and problem-solving skills.

#### **Experiential Learning:**

Experiential learning approach involves learning through experience and reflection. Experiential learning can take many forms, including hands-on activities, field trip and Project works. Industrial visits and Workshops are concrete experiences where students understand the responsibility of the engineering profession and it provides an opportunity for them to improve technical skills and gives practical exposure. Students are involved in real time projects and a few innovative projects. All the students are involved in experiential learning by doing mini projects, major curriculum projects and internship in industry in order to develop professional skills. State-of-the-art laboratories have been established to enrich the practical knowledge of the students.

#### **Participative Learning:**

Students are encouraged to explore knowledge through participation in programming classes, paper presentation, seminars, guest lectures and quiz competitions. Professors, experts and alumni are invited to deliver lectures and the students are encouraged to actively participate in the interactive session. NPTEL, SWAYAM On line courses gives the opportunity to the students.

#### **Problem Solving Methodologies:**

Students are encouraged to improve their problem-solving skills by participating in various technical events like project contest which is organized by the institutions. Discussion methodology is used in many of the subjects as it makes the students to think widely. Students are encouraged and guided to involve themselves in various real-life projects such as Electrical Vehicle, rainwater harvesting, Waste management discussions. Also, the students are motivated to publish research papers in reputed journals and to prepare for GATE and Competitive exams.

File Description	Documents
Upload any additional information	https://assessmentonline.naac.gov.in/storage/app/hei/S
	SR/116790/2.3.1 1719235157 15449.pdf
Link for additional Information	https://kcet.in/wp-content/uploads/2024/06/lab-details-
	<u>1.pdf</u>

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

ICT enabled tools are used by Krishnasamy College of Engineering & Technology (KCET) to support effective teaching and learning methods. Students are exposed to variety of learning materials with different learning style.

The following methods are adopted in the institution in the teaching-learning process:

- The Seminar halls in all departments are equipped with internet-enabled computers / laptops, LCD
  projectors with multimedia facilities are used to showcase PPT, Videos, and simulations to create the
  best possible learning environment.
- Instead of teaching from a traditional method, faculty members have been using resources like e
  books, National Program on Technology Enhanced Learning (NPTEL) technical articles published to
  journals.
- Students can access NPTEL courses in digital library and also they can access the content in their department by using same IP address.
- Seminars, Workshops, and guest lectures on recent advancements in the fundamental courses are arranged for efficient teaching and learning.

File Description	Documents
Provide link for webpage describing ICT enabled tools including	https://kcet.in/cse-
online resources for effective teaching and learning process	<u>infrastructure/</u>
Upload any additional information	https://kcet.in/wp-
	content/uploads/2024/06/lab-
	details-1.pdf

Ratio of students to mentor for academic and other related issues- Number of mentors: 1:20

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

## Preparation and adherence to Academic Calendar and Teaching Plans by the institution (Description 200 words)

File Description	Documents
	https://kcet.in/wp-
Upload the Academic Calendar and Teaching Plans during the year	content/uploads/2024/04/A
	<u>CADEMIC-</u>
	CALLENDAR-
	<u>UPDATED-23-24.pdf</u>

#### **Teacher Profile and Quality**

Number of full-time teachers against sanctioned posts during the year: 63

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	https://kcet.in/wp- content/uploads/2024/06/C ERTIFICATE.pdf
List of the faculty members authenticated by the Head of HEI	https://kcet.in/wp- content/uploads/2024/06/2 022-2023.pdf
Any additional information	No File Uploaded

## Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year: 15

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch./D.N.BSuper-	https://kcet.in/wp-
Specialty/	content/uploads/2024/06
D.Sc./D.Litt. and number of full- time teachers for 5 years	/2.4.2-Additional-
	<u>link.pdf</u>
Any additional information	https://kcet.in/wp-
	content/uploads/2024/0
	<u>6/2.4.1-1.pdf</u>

Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution): 63

File Description	Documents
of their experience	https://kcet.in/wp content/uploads/20 24/06/CERTIFICATE. pdf
	https://kcet.in/wp- content/uploads/2024/0 6/2022-2023.pdf

<ul> <li>Evaluation Process and</li> </ul>	ď	Reforms	
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Number of days from	the date of	last se	emester-end/	year- e	nd	examination	till	the	declaration	of
results during the year:										

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

- Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year:\_\_\_\_\_

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	
Upload any additional information	

- 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

(Description 200 words)

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

#### - Student Performance and Learning Outcomes

- 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

(Description 200 words)

Krishnasamy College of Engineering & Technology, adopts Programme Educational Objectives (PEOs), Programme Specific Outcomes(PSOs), Programme Outcomes (POs) and Course Outcomes (COs) from Anna University. Program Outcomes (POs) are broad statement that describes professional accomplishment in which the aim of the programmes are to be at the time of the completion. Program specific outcome (PSOs) is the specific skill requirements and accomplishments to be fulfilled by the students at the micro level by the end of the program. Course Outcomes (COs) are the direct statements that describes the essential and enduring disciplinary knowledge, abilities that students should possess and depth of learning that is excepted upon the completion of the course. PEOs, POs and PSOs are programme-specific, where POs integrate all Programmes. Each course has its own outcome that must be achieved by the students at end of the course. COs are associated

with POs and PSOs that correlate with Bloom's Taxonomy level (BTL) to estimate the knowledge level of the students particularly COs. Our institution's website serves as a primary hub for accessing comprehensive program information enabling easy navigation for students, and faculty members.

In addition to our online presence, we employ various offline channels to ensure broad dissemination of PEOs, POs, and PSOs. In all our Classrooms, notice board and in all prominent places they serve as tangible resources, offering detailed insights into the distinct educational experiences. All the faculty members prepare Lesson plan for every semester based on POs and COs.

The student HOD and the Course Instructor create awareness on POs, PSOs & COs and emphasize the need to attain the outcome.

File Description	Documents
Upload COs for all courses (exemplarsfromtheGlossary)	<u>ViewFile</u>
Upload any additional information	NoFileUploaded
Link for additional Information	Nil

## - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution (Description 200 words)

Krishnasamy College of Engineering & Technology is committed in providing excellent education through a meticulous approach in evaluating Program Outcomes (POs) and Course Outcomes (COs), aligned with the guidelines outlined in the AICTE examination reforms.

The process of assessing programme outcomes and course outcomes are divided into two categories such as direct method and indirect method. Direct method shows the student's knowledge and skills from their performance in the internal assessment tests, assignments, end semester examination etc. Indirect method is used to assess opinions or thoughts about student knowledge or skills through Course Exit Survey (CES) and Program Exit Survey (PES).

#### **CO** Attainment

The COs are mapped against each question and analysis are carried out by our faculty members for each course and documented in faculty course file. The contribution of COs is assessed in high, moderate and low levels, towards the attainment of POs/PSOs. COs and BTL are mapped with Internal assessment Test (IAT) question papers prepared by course instructors. For all courses 80 percent weightage given to direct attainment of assessment tools such as Internal Assessment tests, Assignments and end semester exams 20 percent weightage given to indirect attainment by course exit surveys.

#### **POs and PSOs Attainment**

Based on course outcomes, direct attainment of POs and PSOs is calculated at the end of every semester and by the time of course completion of each batch of students. Indirect attainment of POs and PSOs is done through Program Exit Survey. The final PO attainment is achieved by 80 percentage and 20 percentage weightage through direct and indirect methods respectively.

#### COs, POs and PSOs attainment calculation are as follows.

Course wise threshold value (attainment) shall be fixed based on bench marks by the faculty in

correction with HoD concern, while level of attainment is fixed by IQAC for each batch. Based on the assessment procedure, the COs articulation matrix is calculated for each course. COs Attainment is calculated based on the marks scored by the students in IAT1, IAT2, Model Examination, End Semester Examination and CES. The gap is reviewed and analyzed, thereby adopting the teaching-learning methods. If the attainment is achieved, it is inferred that CO is achieved for that course. Finally POs are mapped with COs for each course at the end of the programme; i.e., Final COs-POs attainment Matrix. If the POs/PSOs attainment is less than the target, reform the teaching and learning method in order to improve students' performance in consultation with Head of the Department. The overall process of calculating COs, POs, and PSOs are explained uploaded document.

File Description	Documents
Upload any additional information	NoFileUploaded
Paste link for additional Information	Nil

<sup>-</sup> Pass Percentage of students

## - Total number of final year students who passed in the examinations conducted by Institution: 160

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

<sup>-</sup> Student Satisfaction Survey

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

#### RESEARCH, INNOVATIONS AND EXTENSION

- Promotion of Research and Facilities
- 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

(Description 200 words)

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of	
Management related to research promotion policy adoption	
Provide URL of policydocument on promotion of research	
uploaded on the website	
Any additional information	

- The institution provides seed money to its teachers for research
- Seed money provided by the institution to its teachers for research during the year (INR  $\,$  in lakhs): NIL

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

- Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year :  $\rm NIL$ 

File Description	Documents
e-copies of the award letters of the teachers	
List of teachers and details of the irinternationalfellowship(s)	
Any additional information	

- Resource Mobilization for Research
- Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs): 22,500

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

- Number of teachers having research projects during the year: NIL

File Description	Documents
Upload any additional information	
Paste link for additional Information	
List of research projects during the year	

- Number of teachers recognised as research guides: NIL

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

- Number of departments having research projects funded by Government and Non-Government agencies during the year: 3

File Description	Documents
Supporting document from Funding Agencies	
Paste link to funding agencies website	
Any additional information	

#### - Innovation Ecosystem

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

(Description 200 words)

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

- Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year: 21

File Description	Documents
Report of the events	
Listofworkshops/seminars conducted during the year	
Any additional information	

- Research Publications and Awards
- -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.Alloftheabove

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	
Any additional information	

- 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:			
- Number of PhD students registered during the year: 15			
File Description	D	ocuments	
URL to the research page on HEI website			
List of PhD scholars and details like name of the guide, title of thesis, and ye of registration	ar		
Any additional information			
- Number of research papers per teacher in CARE Journals notified on Uthe year year: 3	JGC v	website during	
File Description	D	ocuments	
List of research papers by title, author, department, and year of publication			
Any additional information			
- Number of books and chapters in edited volumes / books published per 5	teach	er during the year:	
File Description	D	ocuments	
Upload any additional information			
Paste link for additional information			
<ul> <li>Bibliometrics of the publications during the year based on average Citation Index in Scopus/Web of Science/PubMed</li> <li>Total number of Citations in Scopus during the year:</li> </ul>			
File Description	Docu	uments	
Any additional information			
Bibliometrics of the publications during the year			
<ul> <li>Bibliometrics of the publications during the year based on Scopus/ Web of Science – h- Index of the University</li> <li>h-index of Scopus during the year: 3</li> </ul>			
File Description	Docu	uments	

Bibiliometrics of publications based on Scopus/ Web of Science

- h-index of the Institution

Any additional information

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

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

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

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

#### - Extension Activities

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

(Description: 200 words)

Krishnasamy College of Engineering and Technology (KCET) is an active participant in conducting various holistic extension activities through our students to the neighborhood community. KCET has the following active clubs such as NSS, NSO and YRC to nurture and create the social awareness and holistic development among the mankind. The improved awareness and increased social responsibilities and green consciousness are the outcomes through such activities.

#### **National Service Scheme (NSS):**

National Service Scheme (NSS) was introduced at our institution in the year of 2005 with the primary objective of developing the personality and character of the students through voluntary community service. 'Education Through Service' is the purpose of NSS. The ideological orientation of NSS is inspired by the ideals of Mahatma Gandhi. Very appropriately the motto of NSS is "NOT ME, BUT YOU".

#### **Youth Red Cross (YRC):**

Youth represents a substantial part of the membership of Red Cross for its Humanitarian commitment. Young volunteers can make a significant contribution to meet the needs of the most vulnerable people within their local communities through Red Cross Youth programme. This has been designed to involve young people as much as possible in the movement not only as workers and also as beneficiaries.

#### In KCET the YRC Committee is developed to satisfy the following principles:

Protection of Health & Life Service to Sick and Suffering Promotion of National and International Friendship, to develop mental and moral capacities of the Youth.

In KCET, the following programs are conducted to prove social responsibilities of youth by creating awareness of diseases among public.

- Drugs Awareness Program
- Collection of E-Waste
- Swachh Bharat Mission or Clean India Mission
- Eye Donation Awareness Campaign
- Tree Plantation Save Water
- Save people
- Cleaning Water Bodies
- CANCER Awareness Program
- Aids Awareness Program
- COVID-19 Awareness Program
- Blood Donation
- Health Camp Programs

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

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

File Description	Documents
Number of awards for extension activities in during the year	
e-copy of the award letters	
Any additional information	

- 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): 18

File Description	Documents
Reports of the events organized	
Any additional information	

_	Number o	if stude	ents narticina	ting in	extension	activities lie	sted in 3	63 dur	ing the vear:
_	TAULILIO CI V	n stuut	ans varuava		CALCHSIUII	activities us	314.41 III . <i>7</i> .		me the vear.

File Description	Documents
Reports of the events	
Any additional information	

#### - Collaboration

- Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work: 1

File Description	Documents
Copies of documents highlighting collaboration	
Any additional information	

- 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): 9

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

#### INFRASTRUCTURE AND LEARNING RESOURCES

#### - Physical Facilities

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

(Description: 200 words)

Krishnasamy College of Engineering and Technology strongly believes that adequate infrastructural facilities are the key elements to provide quality education and strong academic development to create capable and confident individuals.

#### **ICT Enabled class rooms:**

The institute is a widespread campus of 101,414 sq.m, ensures an excellent learning ambience with its spacious and ventilated classrooms spread across 4 blocks, common faculty rooms for each department to create enough privacy for mentoring students, and ICT-enabled seminar halls to support and enhance the delivery of lecture to the students.

#### **Miscellaneous facilities:**

The institution has a vision to offer their students with various facilities, like gymnasium, which provides an ambience for weight training, strengthening and weight loss. Yoga programmes are also conducted periodically for students and faculty members to maintain physical and mental fitness. Round-the-clock security, internet facilities, purified drinking water, waiting halls, rest rooms are available. To ensure the safety, fire extinguishers are placed on all floors and are refilled periodically.

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

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

(Description: 200 words)

#### **Auditorium:**

Sivaramakrishnan memorial Auditorium features a spacious air conditioned indoor auditorium that can accommodate up to 800 persons in total. It has a collapsible sound proof hall which can be partitioned having a seating capacity of 500 in front and 300 at the back for conducting events simultaneously.

#### **Sports:**

Sports activities are highly cherished in our institution. The college offers excellent sports facilities and professional instruction for student's participation in sports. Students are encouraged to participate in variety of events that are organized at the district, zonal, and state levels. Sports amenities such as cricket ground, football field, volleyball, basketball, shuttle and ball badminton courts etc. are available. In 2015, a sports village was dedicated exclusively for sports activities.

File Description	Documents
Geo tagged pictures	
Upload any additional information	
Paste link for additional information	

#### - Number of classrooms and seminar halls with ICT-enabled facilities: 7

File Description	Documents
Upload any additional information	
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	

## - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs): 56.24

File Description	Documents
Upload audited utilization statements	
Details of Expenditure, excluding salary, during the years	
Any additional information	

#### - Library as a Learning Resource

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

(Description: 200 words)

The library named as 'K.S. Narayanasamy Knowledge Centre' is a knowledge repository for young aspirants. It has a reference section and a circulation section with a seating capacity of 128 and 120 respectively. The digital library is part of the central library and has 18 personal computers. The library has a collection of 52,160 books, 54 periodical journals, 71 encyclopaedias, 120 GATE books, 2021 CDs, 5354 conference proceedings, 13989 journal back volumes, 164 dictionaries, and 3182 project reports. It also has records of the college magazine, newsletter, academic syllabus and regulations, course materials, end semester question papers, etc.

#### **ILMS – Library Automation**

The library is fully automated with I-Librarian and NIRMAL software. It is also well established with the WEB OPAC for easy retrieval of books and usage. The key functions of library automation are acquisition, cataloguing, circulation, course management, reports and reference services. All the faculty members and students are members of the central library. All the books are bar-coded and laser scanners are used for the accountability of transactions. For circulation of books, generated Barcode is affixed to the ID cards of both the students and staff.

#### **Working hours:**

Library working hours : 12 Hours

Monday to Saturday : 8.00 a.m. to 8.00 p.m.

The institute has a digital library with 18 terminals. It is offers access to the National Digital Library of India repository and NPTEL, Swayam, Shodhganga portals for access to different courses on Science, Engineering, and Management. It also has an approved NPTEL local chapter. It has a collection of E journals with 54 MAT journals and 682 DELNET journals. The institute provides the national knowledge network connectivity through digital library. The E-learning resources (NPTEL) can be reached through dedicated IPs across the institution, so that both the faculty and students can access the above mentioned resources through the intranet. Reprographic facilities are also available.

#### **Circulation Management:**

Students can check the availability of books either by searching OPAC or the stack area physically. As

per the regulations of statutory and affiliated authorities, text books and reference books are made available in the library.

#### Library usage and monitoring

It can generate and print number of reports like book issue and return, books categorized by accession number, author, subject, department, publishers, title, etc., periodically.

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

#### -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	
Upload any additional information	

## - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs): 4210

File Description	Documents
Audited statements of accounts	
Any additional information	
Details of annual expenditure for purchase of books/e-books and journals/e-	
journals during the year (Data Template)	

#### - IT Infrastructure

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

(Description: 200 words)

#### **Computing Resources**

The institution is equipped with 532 computers of which 472 computers are exclusively dedicated for the students, enabling every individual to enrich their knowledge by using the digital resources. Most of the computers in the college are connected to a LAN for campus wide connectivity. Multimedia projectors with PC and internet connections are provided in the seminar halls. All the computers on campus are connected to

the UPS providing a power back up for about 45 minutes.

#### **Internet connectivity**

The institution had a reliable IT infrastructure linked to the LAN and internet access via dedicated 50 Mbps leased line broadband connection from BSNL earlier. Currently, internet facilities are offered through JIO net services with a speed of 100 Mbps in accordance with the suggestions made by IQAC. The computers across different blocks are interconnected with the LAN through switches. On the whole, 23 printers and 6 scanners are available. All departments, libraries, offices, HODs are facilitated with individual systems and printers. A dedicated information technology-enabled service is made available with the help of exclusive employees deployed for the purpose of maintaining and enhancing the IT infrastructure and associated facilities. The institution updates its IT infrastructure periodically to facilitate effective management of services. Periodically, the hardware, network, and software infrastructure is upgraded to meet the requirements.

#### **Student - Computer Ratio:**

The present student - computer ratio is as 2.08: 1

#### **Updated IT Facilities**

A biometric system is provided to capture the facial recognition of faculty and staff members to record their attendance. 31 cameras are installed at various locations connected to two DVRs for the safety of students and faculty members. The cameras are increased from time to time based on the requirements. Intercom facilities are available to ensure effective communication across the entire institution, like the offices of the Principal, Vice-Principal, Administrative officer, HODs, staff rooms, library, canteen, hostels, security office, etc. Wi-Fi connection is also provided inside the campus. All departments are equipped with multimedia projectors (LED/LCD) for effective teaching - learning. Auditorium and seminar halls are provided with multimedia projectors. The campus is enabled with power backup with the help of UPS and diesel generators.

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

#### - Student - Computer ratio

Number of Students	Number of Computers
982	472

File Description	Documents
Upload any additional information	

-Bandwidth of internet connection in the Institution and the number of students on campus:100 MBPS

File Description	Documents
Details of bandwidth available in the Institution	
Upload any additional information	

- 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	
Paste link for additional information	
List of facilities for e-content development (Data Template)	

- Maintenance of Campus Infrastructure
- Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs):86.97

File Description	Documents
Audited statements of accounts	
Upload any additional information	

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

(Description: 200 words)

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

#### STUDENT SUPPORT AND PROGRESSION

- Student Support
- Number of students benefitted by scholarships and free ships provided by the Government during the year: 1137

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

- Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year: 262

File Description	Documents
Upload any additional information	
Institutional data in prescribed format	

- 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	
Details of capability development and schemes	
Any additional information	

- Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year:485

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

- The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging:
  - Implementation of guidelines of statutory/regulatory bodies
  - Creating awareness and implementation of policies with zero tolerance
  - Mechanism for submission of online/offline students' grievances
  - Timely redressal of grievances through appropriate committees

#### A.All of the above

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

#### - Student Progression

- Number of outgoing students who got placement during the year: 111

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

- Number of outgoing students progressing to higher education: NIL

File Description	Documents
Upload supporting data for students/alumni	
Details of students who went for higher education	
Any additional information	

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

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

- Student Participation and Activities
- 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: 03

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

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

(Description: 200 words)

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

- Number of sports and cultural events / competitions organised by the institution :\_\_\_\_\_

File Description	Documents
Report of the event	
List of sports and cultural events / competitions organised per year	
Upload any additional information	

#### - Alumni Engagement

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

(Krishnasamy College of Engineering and Technology (KCET) has played a pivotal role in shaping the careers of students into technocrats, leaders, entrepreneurs, researchers and global managers. Developing an active and engaged alumni network empowers both the Institute and its graduates. KCET has registered Alumni Association as a society under the Government of Tamilnadu Societies Act with the registration id: SRG/Cuddalore/93/2022.

Alumni meet is being conducted accordingly in conjunction with the Graduation day celebration. The first Alumni meet was conducted in 2006 with the first set of students from all branches.

KCET takes pride in many of our prominent alumni who are currently holding eminent and renowned positions in various companies including JBM automobiles, Foxconn, Pegatron, Finzly, Wistron etc., Many alumni are serving as successful entrepreneurs and also placed as administrators of State and Central Government.

Our alumni are available in many countries around the world and some of the proud say that a considerable number of our passed-out students are in U.S.A, U.K., Germany, Australia, Canada, Singapore etc. in pursuit of either higher studies or employment.

The Alumni Association provides an avenue for sharing their intellectual, career and professional experience not only with the teachers but also with the present students. The following are the activities carried out with the help of Alumni.

Interactive Sessions: Every year Alumni meet will be hosted by the Alumni association and supported by the Management where the alumni from different branches are invited to share their views and suggestions on the scope of their course and also to create awareness about the professional world. This paves an opportunity for the alumni to meet other alumni and cherish their past experiences and moments. They also involve themselves in their respective department activities like guest lecture, workshops, project reviews, judges for competitions etc.

**Mentorship:** Alumni can play an active role in voluntary programs like mentoring students in their areas of expertise.

- To utilize the rich experiences of old students of the college.
- To assist the students in securing suitable jobs.

**Placements / References:** The alumni network of a college is one of the biggest sources of placement opportunities to the students. Alumni helps students in referring to companies and get placed in their respective organizations.

**Administration:** Alumni are members in IQAC and provide inputs for imparting quality system adaptive to recent trends and requirements of industry. Alumni were appointed as faculty members and presently 20% of the faculty members are our alumni and are serving as regular teaching faculty members.

The Institution maintains a friendly relationship with the alumni and collects their valuable feedback and suggestions for the growth and development of the Institution now and then. The profile of notable alumni was collected and uploaded in the college website.

Thus, KCET has an effective alumni network assures the alumni as a significant stakeholder by making them actively participate in the institution's developmental activities.

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

#### - Alumni's financial contribution during the year

#### A.?15Lakhs

#### **Annual Quality Assurance Report of KCET**

File Description	Documents
Upload any additional information	

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

## - Institutional Vision and Leadership

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

The management is to achieve excellence in technical education for the students, in particular from rural areas.

#### Vision:

To gain international recognition as a world class Technical Institution through discipline and devotion in performing our duties.

#### Mission:

- To provide high quality technical education meeting international benchmarks.
- To impart practical skills along with sound theoretical knowledge with the participation of industry.
- To work for the development of society in general and the rural masses in particular in collaboration with other institutions and agencies.

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

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

(Description: 200 words)

File Description	Documents
Upload strategic plan and deployment documents on the website	
Upload any additional information	
Paste link for additional Information	

## - Strategy Development and Deployment

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

File Description	Documents
StrategicPlananddeployment documents on the website	
Pastelinkforadditional information	
Uploadanyadditional information	

- 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.

Institutional perspective plan serves as a comprehensive blueprint for the strategic development of the

institution and is meticulously crafted under the guidance of the Governing Council and departmental heads. This plan outlines the long-term goals, objectives and strategies necessary for the institution's growth and advancement. It takes into account various factors such as academic excellence, infrastructure development, and faculty enhancement and student welfare.

Simultaneously, the academic calendar, a crucial component of this planning process, is diligently prepared by the Planning and monitoring Committee. This calendar serves as a roadmap for the academic year, incorporating all pre-planned activities, events, and programs across different departments. It also includes a well-structured assessment test schedule to ensure timely evaluations of student progress.

Furthermore, the academic calendar is designed to align seamlessly with the academic schedule provided by the Anna University, ensuring coherence and consistency in educational delivery. This synchronization enables smooth coordination between the institution and the university, facilitating efficient academic operations.

Continuous monitoring and evaluation mechanisms are implemented to track the progress of planning and execution. Regular assessments help identify areas for improvement and allow for timely interventions to address any challenges or bottlenecks encountered during implementation.

The allocation of the annual budget is a top priority in the development plan, ensuring sufficient resources to support strategic initiatives and operational needs effectively. Prioritizing budget allocations demonstrates the institution's commitment to fostering an environment conducive to academic excellence and overall institutional growth.

## Perspective plans of the Institution

The institution's perspective plans outline strategic goals, including adopting ISO standards, securing NAAC and NBA accreditation, achieving global recognition through autonomous status, fostering Industry-Institute partnerships, seeking accreditation with reputed companies, and actively participating in national ranking frameworks.

## **Short term Perspective Plan:**

- To upgrade the Infrastructural Facility.
- Getting NAAC accreditation with A++ Grade
- Getting NBA accreditation to all eligible departments
- To attain autonomous status and global recognition
- To enhance student's research Quality.

#### **Long term Perspective Plan:**

- To attain NIRF Ranking
- Accreditation by reputed multinational companies
- To endeavour international collaborations by MOU
- To attain Grants from Government originations
- To ensure all teaching staff attain Ph.D. degrees

#### Administrative setup

In the administrative setup, the college's governance structure is a collaborative effort involving the Management, Principal and Staff. Responsibility flows seamlessly from the management to the principal, who oversees academic developments and monitors overall progress through departmental heads and staff members.

## **Appointment, Service Rules and Procedures**

Adherence to AICTE and Anna University norms is a cornerstone of the college's administrative practices, influencing area such as administration, staff recruitment, promotion and salary. These rules and regulations are transparent to the staff members, promoting awareness and accountability. The Academic Council, chaired by the Principal and convened by the Vice-Principal, oversees academic activities. Regular coordination meetings discuss performance and decisions, with minutes forwarded to management and the academic council. These meetings shape the Governing Council's agenda, ensuring alignment with institutional goals. The rules, procedures, recruitment and promotional policies of the institution are transparent and accessible to the stakeholders.

File Description	Documents
Paste link to Organogram on the institution webpage	
Upload any additional information	
Paste link for additional Information	

## - Implementation of e-governance in areas of operation:

- Administration
- Finance and Accounts Student
- Admission and Support
- Examination

## A. All of the above

ile Description	Documents
ERP(Enterprise Resource Planning) Document	
Screen shots of user interfaces	
Details of implementation of e- governance in areas of operation	
Any additional information	

# - Faculty Empowerment Strategies

The institution has effective welfare measures for teaching and non-teaching staff and avenues for their

career development/ progression.

The Krishnasamy College of Engineering and Technology has set up well established principles, rules and regulations, complaint redressalcell that are always open at liable information desk. Faculty members are promoted based on self-developmental activities and higher education expertise. Staff are provided with Subsidized Transport, Purified Drinking Water, Uniforms, Waiver of tuition Fee for their wards, Vacation Leave, Individual Cabins, Provident Fund, ESI, Compensatory Off, free medical assistance, special permission for medical emergencies and postnatal care. Institution appreciates the faculty on acquiring higher qualifications and special achievements, and conducting the orientation programmers for new faculties.

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

# Welfare Measures for Teaching and non-Teaching staff

- 1. ESI & EPF benefit for eligible staff
- 2. Transport facility at subsidized rate for all the staff members
- 3. Fees concession for wards in parent and sister institutions
- 4. Uniform
- 5. Free medical assistance and Ambulance (24X7)
- 6. On-Duty for programmes and higher education
- 7. Morning & Evening Tea Refreshment
- 8. Hot and Cold Water facility
- 9. Internet & Wi-Fi facility
- 10. Free Hostel accommodation with boarding at subsidised rate
- 11. In-campus banking with ATM facility
- 12. Special permission for medical emergency and postnatal care

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

Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year:57

File Description	Documents
Upload any additional information	
Details of teachers provided with financial support to attend conference,	
workshops etc during the year (Data Template)	

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

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

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.):49

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

## - Financial Management and Resource Mobilization

Institution conducts internal and external financial audits regularly (Description : 200 words)

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

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

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

Any additional information		
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- Institutional strategies for mobilisation of funds and the optimal utilisation of resources.

#### **Mobilization of Funds for various resources:**

Funds are mobilized from the following resources.

- 1. Scholarship from government, student fees, Anna University
- 2. Additional funding sanctioned from various funding agencies such as TNSCST,etc., for research and seminar proposals submitted by various departments.
- 3. Online digital assessment fund using IT infrastructure
- 4. Income from various offline examinations.

#### **Utilization:**

The Finance committee monitors and audits the budgets, utilization, accounts, expenses etc. They give recommendations for better handling of resources and effective mobilization of available funds. It ensures that the fund utilization is within the limit or allotted margin.

All the major financial transactions are analysed and verified under following sections:

- Equipment and Consumables
- Software and Internet charges
- Printing and Stationeries
- Furniture and Fixtures
- Repair and Maintenance
- Research and Development
- Training and Placement
- Library books and Journal

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

## **Internal Quality Assurance System**

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).

(Description: 200 words)

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

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

(Description: 200 words)

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

- 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. Any4oralloftheabove

File Description	Documents
Paste the web link of annual reports of the Institution	
Upload e-copies of accreditations and certification	
Upload details of quality assurance initiatives of the institution	
Upload any additional information	

## INSTITUTIONAL VALUES AND BEST PRACTICES

- Institutional Values and Social Responsibilities
  - Measures initiated by the Institution for the promotion of gender equity during the year (Description: 200 words)

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

- 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
- B. Any 3 of the above

File Description	Documents
Geotagged Photographs	
Any other relevant information	

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)

(Description: 200 words)

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

- 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	
Any other relevant information	

- Green campus initiatives include
- -- The institutional initiatives for greening the campus are as follows:
  - 1. Restricted entry of automobiles
  - 2. Use of bicycles/ Battery-powered vehicles
  - 3. Pedestrian-friendly pathways
  - 4. Ban on use of plastic
  - 5. Landscaping

#### A. Any 4 or All of the above

File Description	Documents
Geotagged photos / videos of the facilities	
Various policy documents / decisions circulated for implementation	
Any other relevant documents	

- Quality audits on environment and energy undertaken by the institution
- The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:
  - 1. Green audit
  - 2. Energy audit
  - 3. Environment audit
  - 4. Clean and green campus recognitions/awards
  - 5. Beyond the campus environmental promotional activities

## A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing	
agency	
Certification by the auditing agency	
Certificates of the awards received	
Any other relevant information	

## - The Institution has a disabled-friendly and barrier-free environment:

- Ramps/lifts for easy access to classrooms and centres
- Disabled- friendly washrooms Signage including tactile path lights, display boards and signposts
- Assistive technology and facilities for persons with disabilities:
- Accessible website, screen- reading software, mechanized equipment, etc.
- Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

# A. Any 4 or all of the above

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

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 mission of KCET is to provide an inclusive atmosphere that values diversity in terms of socioeconomic status, community, language, geography and culture. The institution understands, how important, it is to establish the mission for safe campus that values social justice, equity and diversity. The college has launched a number of campaigns to educate staff and students about their rights, duties, and responsibilities as citizens, as well as their constitutional obligations. In addition, the college has been actively participating in variety of National and International Commemoration Days, Events, and Festivals,

such as Pongal, Pooja Celebrations, Independence Day, Republic Day, etc.

#### **Celebrating National and International Commemorative Days:**

KCET observes a number of national and international days in an effort to raise awareness and foster social cohesion. On occasions such as National Library Day, World Environment Day, and National Science Day, the college hosts events and activities. Every year on August 15th, Independence Day is observed with great patriotism. The campus radio plays a variety of patriotic tunes that give off a strong sense of patriotism. The programme includes student performances of patriotic songs and talks honouring the valiant efforts of our freedom fighters. KCET organize Republic Day Celebration for every year in the college where flag hoisting ceremonies have been conducted along with cultural programmes to celebrate the occasions. The students participate in several events like singing patriotic songs, delivering speeches to motivate and inspire the community. Engineers Day is observed on September 15th in honour of Sir Visvesvaraya's Birth Anniversary. As a remarkable homage to the greatest Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya, that day is regularly celebrated

#### **Celebration of Cultural and Communal Diversity:**

KCET takes part in various kinds of cultural and community celebrations to promote harmony and understanding among the staff and students. Events and activities are planned by the college for the following celebrations such as Pongal and Pooja Celebrations. The organization invites staff members and students to take part in these festivities and discover India's rich cultural diversity.

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

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

KCET regularly offers training and sensitization programmes to both employees and students, to raise knowledge of citizen's rights, duties, and responsibilities regarding the principles, obligations, and duties outlined in the constitution. The college hosts seminars on subjects like Social Justice, Human Rights and Gender Awareness.

The organization has put in place a code of conduct that describes what is expected of both employees and students. The code of conduct places a strong emphasis on treating people from different backgrounds with respect, tolerance, and inclusivity.

File Description	Documents
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Details of activities that inculcate values necessary to transform students
into responsible citizens
Any other relevant information

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

## A. All of the above

File Description	Documents
Code of Ethics - policy document	
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	
Any other relevant information	

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

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# **National Service Scheme (NSS) Activities:**

An active NSS unit at KCET plans a variety of events to educate students about their rights, duties, and responsibilities as citizens, as well as their obligations under the constitution. The NSS unit runs a number of initiatives, including Health Camps, Blood Drives, and Awareness Campaigns on Issues like Hygiene, Literacy, and Environmental Protection. Additionally, the NSS unit aims many activities to promote unity and harmony among students from all backgrounds.

## **Sensitization of Employees and Students:**

KCET regularly offers training and sensitization programmes to both employees and students, to raise knowledge of citizen's rights, duties, and responsibilities regarding the principles, obligations, and duties outlined in the constitution. The college hosts seminars on subjects like Social Justice, Human Rights and Gender Awareness. The organization has put in place a code of conduct that describes what is expected of both employees and students. The code of conduct places a strong emphasis on treating people from different backgrounds with respect, tolerance, and inclusivity.

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

## **Best Practices**

- Provide the weblink on the Institutional website regarding the Best practices as per the prescribed Format of NAAC.

Best Practice: Social awareness and upliftment campaign through National Service Scheme (NSS) and

## **Youth Red Cross (YRC)**

## **Objectives of the Practice:**

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

#### The Context:

The NSS and YRC units of the College actively participated in various programmes. The volunteers gained experience on doing service with rural residents to spread awareness of Blood, Eye Donations, Clean India Mission and Tree Plantation.

#### The Practice:

- 1. Planning of community activities each academic year.
- 2. NSS unit and YRC unit carry out the community services in regular basis.
- 3. Public Services in several occasions.
- 4. Volunteers carry out the solid waste management training, Tree plantation, Drug Awareness Rally, Eye Camp, Swachh Bharat, Health Hygiene, COVID19 Safety Measures and Vaccination Camp, Awareness programme for school Children, Programme on Energy Conservation, Cleaning Water Bodies, Rain Water Harvesting, First Aid, Fire safety including handling of Fire extinguishers.

#### **Evidence of Success:**

- 1. The main outcome of the NSS and YRC are to help the students to gain a democratic attitude along with the confidence to become leaders and learn the social issues.
- 2. The role of community participation in promotion of Clean, hygiene practices, road safety awareness, is evident through improved living.
- 3. Improved awareness about the importance of voting.

#### Problems encountered and resources required:

- 1. One of the major problems is that the goals and objectives of the NSS and YRC club have high expectations and at the same time, volunteers do lack resources at their level.
- 2. Lack of screening mechanism while selecting the volunteers for the NSS Camp. Parent's realisation about

importance of partcipation in such activities.

- 3. Pre-awareness program about the activities proposed to be performed and lack of demographic knowledge and about the issues connected to the rural area where the NSS Camp is proposed.
- 4. Lack of sufficient fund for more elaborate conduction of certain social development activities

File Description	Documents
Best practices in the institutional website	https://kcet.in/wp-content/uploads/2024/05/1New-
	NSSYRC-2022-2023-Modified.pdf
Any other relevant information	https://kcet.in/nss/

#### - Institutional Distinctiveness

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

Krishnasamy College of Engineering and Technology (KCET) was started in the year 2001. The main feature of the college comprises world class infrastructure with experienced and dedicated faculties, moderate pass percentage, good placement records and society-oriented products/projects developed by the students.

## Strategies for rural student's education development

KCET consistently works to satisfy its social obligation to support rural students, especially first generation graduates and first- generation professional graduates to reach a higher position in the society demonstrating their technical skills.

KCET provides quality education with scholarship to cover minimum fess structure. KCET undertakes all steps to ensure that scholarship sanctioned by state government and also scholarship provided for economically backward and meritorious students. Reduction in tuition fee have been provided to girl students to empower women folk of this district. It helps in strengthening their academic and career goals by removing the financial barrier. Merit Scholarship has been given to students who have scored more than 80% in meritorious scholarship Exam.

KCET has also been keen and committed in rendering services for the development of the students from rural background by providing basic communication skills technical skills, promoting the values, professionalism, social sensitivity and dynamic entrepreneurship.

## Induction and communication skills during freshman year

The Institution makes use of innovative teaching- learning methodologies to upgrade the learning experience of students. As an initiative they undergo training in "Induction Programme" for ten days from the day of their admission as a part of curriculum, which would remove their inhibitions and create more confidence in them to move on their studies.

In first year students are engaged in activities which would develop their communication skills, language skills, technical skills etc. inculcate interest and to stimulate their learning skill "Budding Engineers Technical Expo, value elucidation programmes are organized.

File Description	Documents
Appropriate link in the institutional website	https://kcet.in/institutional-distinctiveness/
•	https://kcet.in/wp-content/uploads/2024/06/AY-22-23- Insituitional-Distinctivnesspdf

Plan of action for the next academic year