



KRISHNASAMY

College of
ENGINEERING & TECHNOLOGY

Approved by AICTE & Affiliated to Anna University
Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.
☎ (04142) 285 601 - 604 🌐 www.kcet.in ✉ info@kcet.in

Criterion 4 – Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The Institution has adequate infrastructure and other facilities for,

- a) **Teaching – Learning, viz., classrooms, laboratories, computing equipment etc.,**
- b) **ICT – enabled facilities such as smart class, LMS etc.,**

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc.

Response:

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.

Auditorium:

Sivaramakrishnan Memorial Auditorium features a spacious air conditioned indoor auditorium that can accommodate up to 1000 persons in total. It has a collapsible sound proof hall which can be partitioned having a seating capacity of 600 in front and 300 at the back for conducting events simultaneously.

Central Library: (K.S. Narayanasamy Knowledge Centre)

The central library is a learning hub for KCET with an area of 3085 sq.m housed on the first and second floors of the building. The library contains a well-organised information desk, circulation section, reference section, and a digital library. It is enriched with books on Engineering, Science and Technology, Computer Applications, Arts, resources for GATE and TNPSC, journals from MAT and DELNET. It is fully computerised with I-LIBRARIAN and NIRMAL SOFTWARE. It is also equipped with an Online Public Access Catalogue (OPAC) for retrieving books and for searching other learning materials.



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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. A sports village spread over 3 acres is dedicated exclusively for sports activities (both indoor and outdoor games).

Hostel and canteen facilities:

The college provides separate hostels for boys and girls with all adequate amenities to concentrate on their studies. Hygiene and cleanliness are emphasised in the hostel. Faculty members, who reside in the hostel act as a mentor addressing the academic and personal issues of the students. The institution provides hygienic foods and snacks in canteen at two different venues.

Health Centre:

The College has exclusive Dispensaries for men and women managed by a Paramedical staff to provide first aid and for emergency medical requirements. An ambulance is available 24 x7 to take the students as well as staff who are in need of specialised medical attention to the Hospital managed by our Trustees.

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.

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

Response: 19.75

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

2022 – 2023	2021 – 2022	2020 – 2021	2019 – 2020	2018 – 2019
56.24	28.11	21.60	31.10	23.47

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscription to e-resources and journals are made. The library is optimally used by the faculty and students.

Response:

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



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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 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 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.



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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.

LIBRARY DETAILS:

Number of walk-ins in last five years	32005
Number of books issued / returned in last five years	12453
Ratio of library books to students enrolled	1.1 : 1
Number of books added during last five years	1122
OPAC (Online Public Access Catalogue)	Yes
Electronic Resource Management package for e-journals	Yes
Library Automation	Yes
Internet bandwidth / speed(GB)	100 Mbps / JIO

File Description	Document
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4.3 IT Infrastructure

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

Response:

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 a campus wide connectivity. Multimedia projectors with PC and internet connections are



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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 capacity of 100 Mbps in accordance with the suggestions made by IQAC. The computers of 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.



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Technology- focused educational initiatives:

The faculty and students are encouraged to participate in the online seminars, workshops organized by various institutions by utilizing the IT facilities available in the institution. Guest lectures on current technologies are also conducted online by inviting senior faculty members from other institutions and industries. The institution organizes industry connect programme for the faculty members and students to be aware of the expectations of industry and current developments in both online and offline mode. The students are regularly provided with various placement training programs covering technical, communication and soft skills both online and offline. NPTEL course materials of different science and engineering disciplines are made available through LAN connectivity.

Name of the Internet provider	JIO
Available Bandwidth	100 Mbps (JIO)
Internet Access in Library, Office, Departments	Yes
Network Security Arrangements	Yes, INTEL DUAL CORE

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

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

Response: 2.08

4.3.2.1 Number of computers available for student's usage during the latest completed academic year:

Response: 472

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	View Document



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Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.4 Maintenance of Campus Infrastructure

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

Response: 35.36

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

2022-2023	2021-2022	2020-2021	2019-2020	2018-2019
86.97	46.00	30.41	58.41	65.62

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	View Document