



YEARLY STATUS REPORT - 2023-2024

Part A

Data of the Institution

1.Name of the Institution		CANARA ENGINEERING COLLEGE
• Name of the Head of the institution		Dr. Nagesh H R
• Designation		Principal
• Does the institution function from its own campus?		Yes
• Phone no./Alternate phone no.		08242278666
• Mobile No:		94482 97353
• Registered e-mail		canarait@gmail.com
• Alternate e-mail		principal@canaraengineering.in
• Address		Sudheendranagara, Benjanapadavu
• City/Town		Bantwal
• State/UT		Karnataka
• Pin Code		574219
2.Institutional status		
• Affiliated / Constitution Colleges		Affiliated
• Type of Institution		Co-education
• Location		Rural
• Financial Status		Self-financing

• Name of the Affiliating University	Visveswaraya Technological University				
• Name of the IQAC Coordinator	Dr. Venkatesh N				
• Phone No.	08242278666				
• Alternate phone No.	8792727001				
• Mobile	9945677811				
• IQAC e-mail address	venksati@canaraengineering.in				
• Alternate e-mail address	venksati@gmail.com				
3.Website address (Web link of the AQAR (Previous Academic Year)	Not applicable				
4.Whether Academic Calendar prepared during the year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	https://canaraengineering.in/naac/S_S_AOAR_23_24_part_A_Academic_Calendar_23_24.pdf				
5.Accreditation Details					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.24	2023	24/06/2023	23/06/2028
6.Date of Establishment of IQAC			26/05/2018		
7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
Institutional 1	Student Project Program	KSCST	2024, 1 year	55,000.00	
8.Whether composition of IQAC as per latest NAAC guidelines			Yes		
• Upload latest notification of formation of IQAC			View File		

9.No. of IQAC meetings held during the year	05	
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? 	No	
<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	View File	
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No	
<ul style="list-style-type: none"> If yes, mention the amount 		
11.Significant contributions made by IQAC during the current year (maximum five bullets)		
<p>1. Starting new and emerging branches - CS and Design, CS and data science, AI and ML 2. Conducting entrepreneurship related programs by conducting alumni entrepreneurs' meet and signing an MoU with alumnus. 3. Working towards setting up of industry supported labs. 4. Starting of student council and 15 student centered club for Various activities to meet different aspirations of students.</p>		
12.Plan of action chalked out by the IQAC in 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
New programs to meet the emerging trend need to be started.	3 new emerging branches - Computer Science and design, CS and business systems, AI and ML are started from AY 2021-22
self-learning initiatives	30 courses were offered and nearly 1500 students and faculties got the certificates
Advanced and Company specific training for placements	Companies like Q-Spider is consulted, and MoU is signed to train students as per the need of the industry.
Industry - institute interactions.	Two MoUs are signed with M/s Infomatics and M/s Niveus towards better industry interactions.
Improvement of brand image of the institution	Efforts are on to improve the brand image by conducting various programs like career counselling, W/s for PU colleges were conducted.
Student centered activities	15 clubs meeting the aspirations of students conducted 72 activities
Community services	Agricultural equipments are produced to support nearby villages adopted under UBA.
Student participation outside the college and state	Number of participations and awards have improved significantly post pandemic

13. Whether the AQAR was placed before statutory body?	Yes
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<ul style="list-style-type: none"> Name of the statutory body
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Name	Date of meeting(s)
Governing Council	30/03/2024

14. Whether institutional data submitted to AISHE

Year	Date of Submission
2022-23	18/03/2024

15. Multidisciplinary / interdisciplinary

Canara Engineering College is a HEI affiliated to Visveswaraya Technological University. It offers UG degree in multiple engineering disciplines which includes core and emerging disciplines. It is planned to transform into multidisciplinary institution in coming years by starting new UG and PG programs in multidisciplinary disciplines such as data science, cyber security, automation and robotics. Since the institution is affiliated, we do not have the flexibility to introduce or modify the curricula. However, it is planned to get the autonomous/ University status by 2025 which will enable us to integrate humanities and science with STEM. Currently, we are following University syllabi which includes courses on UHV, ethics and environment. University has introduced the multiple entry and exit system as per Government norms which will be followed by us.

16. Academic bank of credits (ABC):

Our institution is working towards registering for ABC. We have collaborated with Nitte University which is ranked 76th in NIRF list to promote research activities in our campus. Faculties of our institution are encouraged to offer new courses in each semester to meet the industrial requirements. We are also in contact with foreign Universities for internationalization of education. After getting Autonomous status, we shall register for ABC. In addition to regular courses, faculties are encouraged to offer courses which are completely prepared and delivered by them in the regular academic calendar.

17. Skill development:

To impart necessary skills for students for their career, we are running an elaborate training program. The training program is designed to cover topics related to soft skills and technical skills. A MOU has been signed with Q-Spiders to impart the necessary skills which makes the students employable. A skill enhancement center is constructed to encourage students to gain lifelong learning skills. Faculties are trained to teach UHV-I and UHV-II as per curriculum. In coming years, it is planned to start vocation courses as per AICTE guidelines to impart skill to our students.

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

Our institution is keen on promoting technical education in Indian languages. Two of our faculties have translated one NPTEL course each to Kannada and Malayalam language. It is planned to integrate Indian language and technical education by collaborating with such organizations which impart technical education in local languages. We encourage students to conduct many events which portray Indian culture and traditions such as Onam, Holi, Ayudha Pooja etc. In addition, University has introduces courses like YOGA, NSS, Sports are in line with IKS. Hence studetns are exposed to IKS in the curriculum itself.

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

OBE was made an integral part of the regular academic schedule by following learning outcomes from 2014.students are being told clearly about the essence of OBE during the I year orientation program. Faculties have studied the course on OBE via NPTEL platform. Hence, faculties can clearly make students what is OBE and why it is important for them. University announces learning outcomes of each course. The course coordinator in consultation with department experts and department advisory committee, finalize the course outcomes of each course. At our college we prepare 5 outcomes, one for each module. On the first class of each course, the learning outcomes of the course are explained to all students. Program Outcomes are printed on lab records, displayed in college website, corridors to make students know the learning outcomes of their respective programs. The feedback on the learning outcomes are collected at the end of each course and program. The results are analyzed and actions are taken if found necessary. Thus, we are trying to imbibe OBE in our curriculum. Additional courses to make students keep abreast with the latest technology are offered via MOOC platform. These efforts have helped students not only score good results but also demonstrate the outcome. Students involve in various software development activities which are used during annual college day and intercollegiate Techno- cultural event organized by the institution. Various prizes have been won at state/national level technical events.

20.Distance education/online education:

We had to migrate towards online mode of teaching during Covid -19 pandemic. This gave us an opportunity to explore various nuances of online teaching. We have published more than 4500 videos related to all courses. We have received huge appreciation and viewership as

more than 1 lakh viewers have made use of our videos. We are planning to become autonomous degree offering institutes / University by 2025-26 as per NEP and we will offer vocational courses via ODL mode. Our experience in preparing for online classes will certainly help us in offering degrees and certificates in distance mode.

Extended Profile

1.Programme

1.1	572
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	1817
Number of students during the year	

File Description	Documents
Data Template	View File

2.2	120
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	View File

2.3	265
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	View File

3.Academic

3.1	104
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Number of full time teachers during the year		
File Description	Documents	
Data Template	View File	
3.2	101	
Number of Sanctioned posts during the year		
File Description	Documents	
Data Template	View File	
4.Institution		
4.1	37	
Total number of Classrooms and Seminar halls		
4.2	180.29	
Total expenditure excluding salary during the year (INR in lakhs)		
4.3	733	
Total number of computers on campus for academic purposes		

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

The institution meticulously adheres to the academic calendar of University, following a structured approach to ensure effective curriculum delivery. At the start of each semester, time table is prepared and the curriculum is discussed in the Department Quality Assurance Cell (DQAC), where Program Outcomes (POs), Course Outcomes (COs), and Program Specific Outcomes (PSOs) are reviewed. A meeting of the Chief course coordinator and Course instructors is held to prepare the Course Information Sheet.

The formulation of course plans integrates both the university and institutional academic schedules. The delivery of courses is systematically managed with pre-scheduled timetables, lab conduction, and classroom sessions. Regular Class Committee meetings

are conducted to review progress, and teaching-learning effectiveness is monitored through feedback mechanisms.

Evaluation methods include internal assessments, other assessment tools, and the semester-end examination. The attainment of Course Outcomes (COs) is assessed both directly (through internal evaluations) and indirectly (via exit feedback). Based on these assessments, Program Outcomes (POs) and Program Specific Outcomes (PSOs) are measured. Any identified gaps in attainment are addressed through add-on courses or enhancements to curriculum delivery methods.

This process ensures the continuous improvement of curriculum delivery and aligns educational objectives with institutional and university guidelines.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The institution ensures effective curriculum delivery and adheres to the academic calendar through a systematic, well-documented process. This includes defining course outcomes for each course and setting internal assessment test question papers in alignment with Form 2B and Bloom's Taxonomy Level Action Verbs. Questions are mapped to COs to ensure alignment with course objectives. The course instructors prepare a detailed scheme of evaluation, which, along with the question paper, is reviewed by a moderation committee for effectiveness and fairness. The evaluation of answer papers is conducted based on the approved scheme, and the moderation committee reviews the entire evaluation process to ensure consistency. Marks are communicated promptly to students.

In case of any grievances regarding marks, students can raise them to be addressed first by the course instructor and, if unresolved, by the moderation committee. After resolving grievances, marks are communicated to parents. Additionally, faculty members prepare well-structured lesson plans, and timetables are aligned with the academic schedule. The institution employs an Institutional Management System to document and manage content delivery,

attendance, and assessment results. This comprehensive approach ensures continuous internal evaluation as per the academic calendar, maintaining high standards of curriculum delivery and fostering transparency in the evaluation process.

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	Nil

1.1.3 - Teachers of the Institution participate in C. Any 2 of the above following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.
Academic council/BoS of Affiliating University
Setting of question papers for UG/PG programs
Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
Assessment /evaluation process of the affiliating University

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

7

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

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

25

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

1454

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

1454

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

To integrate cross cutting issues relevant to gender, human values, professional ethics, environment and sustainability, various courses

are introduced as a part of the curriculum, which make students better human beings.

Human Values: it is necessary to have a curriculum to enhance good human values among the students. Our institution always believes to make each student to be good engineer with strong human values. Many employers are inclined towards hiring students with very high human value quotient. At the beginning of their graduation, students are given induction program with contents which promotes Universal Human Values.

Environment and Sustainability:"Environmental science" is the study of the interactions among the physical, chemical and biological components of the environment with a focus on pollution and degradation of the environment due to human activities. A course in the first year makes students realise the importance of an engineer towards their role on sustaining the environment for many generations to come.

Gender Equality: As college follows Co-education system, the department maintains gender equality in academic and non-academic activities. Institute invigorates boys and girls to participate in various activities.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

02

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships

260

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders
Students
Teachers
Employers
Alumni

B. Any 3 of the above

File Description	Documents
URL for stakeholder feedback report	View File
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View File
Any additional information(Upload)	No File Uploaded

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	Nil

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

630

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

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

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

96

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

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Criteria for Categorization of Students: Students are usually streamed into two categories on the basis of pedagogical convenience.

1. Advanced learners
2. Slow learners

Following factors are considered to categorize students:

At the first year of the program: Discussion/interaction with mentors, Performance in qualifying examination, qualifying entrance tests, involvement and outcome in induction program, interaction with parents and performance in first internal assessment test.

At the higher levels of the program: Discussion with mentors, academic Performance in previous semesters, co-curricular activity outside institution, discussion/interaction with teachers of previous semester/years.

Strategies for Advanced Learners:

1. Students are provided with additional inputs for better career planning and growth through special training for on campus placement drives
2. Encourage students to pursue certification courses in the latest technologies and participate in inter-collegiate activities
3. Involve in research projects to inculcate research orientation, participate in National/International Conferences, present technical/research papers
4. Inspire to make quality publications and creative contributions to academics and society

Strategies for Slow Learners:

In the institute, course instructors of the respective courses conduct remedial classes beyond regular classes. More emphasis is given for problem solving subjects that require more focus on analytical skills.

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

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
1817	104

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

Experiential Learning: The program's curriculum integrates theoretical courses with laboratory sessions, enhancing the overall learning experience. Students engage in both mini and major projects, tackling real-world problems that require applying theoretical concepts. These projects are guided by industry and academic experts who mentor students in finding solutions through hands-on experience. Additionally, students participate in internships, where they acquire practical skills and insights to address real and societal challenges.

Participative Learning: Group assignments and projects foster collaboration, allowing students to learn from one another while developing their leadership, team player and interpersonal skills. Additionally, technical activities are conducted to provide a collaborative environment and encourage active engagement that enhance students' technical knowledge and build essential skills like critical thinking, creativity and effective communication.

Problem-Solving Methodologies: A significant portion of both internal and semester-end assessment focuses on application-level questions, enhancing students' problem-solving capabilities. In addition, specialized aptitude training is provided to strengthen students' analytical and logical reasoning abilities. This training helps them cultivate a systematic approach to problem-solving, allowing them to break down complex issues into manageable parts and devise effective solutions.

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

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

The institution leverages Information and Communication Technology (ICT) to enhance teaching and learning, complementing traditional methods. Faculties utilize PowerPoint presentations through laptops, personal computers, LCDs, and projectors, ensuring that all classrooms and laboratories are equipped with necessary technology.

Students and faculty enjoy free internet access across the campus via LAN and Wi-Fi. A wealth of e-learning resources, including e-books and both open-access and subscription-based journals, is available to support their studies. Faculties also engage students through online quizzes and polls using Google Forms and MS Teams.

A well-equipped seminar hall, featuring a projector, hosts online workshops and expert talks for both faculty and students. Various software tools are employed to deepen understanding of systems and processes. The institute is also outfitted with essential ICT tools such as digital cameras, photocopiers, scanners, and printers to further enhance the educational experience.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	Nil

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

87

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	View File
Circulars pertaining to assigning mentors to mentees	View File
mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

104

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

ASSESSMENT TOOLS

Internal Assessment for Theory Courses:

The institute conducts Continuous Internal Evaluation (CIE) activities each semester, that includes internal tests, assignments, quizzes, and seminars, in-line with university guidelines. CIE generally comprises of three tests per semester, with two tests for IPCC courses—is announced at the semester's start and monitored by internal test committee.

Details of the assessment process for Theory courses:

- Course Instructors prepare question papers and evaluation schemes based on Bloom's Taxonomy, covering all course outcomes (COs).
- Question papers, approved by the Moderation Committee, include questions from past university exams, competitive exams, and textbooks, are filed with the HOD.
- Students use a single blue book per course, evaluated within a week, with the scheme discussed in class for any grievances.
- An academic audit moderates the highest and lowest scores in each section.
- Marks are uploaded to the college IMS, accessible to students and parents.

Laboratory Course Assessment:

Weekly assessments, lab records, and an end-semester test form the CIE for Laboratory courses, covering experiments and coding tasks.

Internal Assessment of special courses:

Assessment of Seminars, Internships, and Projects follows university guidelines.

University Exams Assessment Process:

The university schedules and evaluates Semester End Examinations, allowing revaluation requests post-results.

File Description	Documents
Any additional information	View File
Link for additional information	Nil

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

At CEC, internal examinations are conducted as outlined earlier. Answer papers are evaluated and returned to students within a week of test completion, with faculty discussing correct answers in classroom to clarify any doubts. Faculty review the evaluation scheme along with expected answers and addresses each student's concerns regarding marks awarded. If any discrepancies are identified, the evaluating faculty re-evaluates the answer script, adjusts the marks if needed, and ensures student satisfaction.

Within 10 days of the assessment, parents are informed of their ward's marks via SMS. For laboratory courses, marks are assessed based on experiment writeup, execution, and viva-voce conducted on weekly basis.

If students have unresolved concerns, they may approach the moderation committee and student welfare officer as per the protocol, either verbally or through Form-13H. The grievance will be addressed in grievance redressal cell meetings, and additional scrutiny or audit may be conducted according to institutional guidelines.

File Description	Documents
Any additional information	View File
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

Being Professional institute, Canara Engineering College gives utmost importance to the course outcomes and program outcomes.

COURSE OUTCOMES:

Course Objectives and Course Outcomes are defined by the University

along with course content. At the department level, they are then finetuned accordingly based on the content coverage without much deviation.

Dissemination: Course Outcomes of each course is made available in the IMS and is available for all students and faculty members.

PROGRAM OUTCOMES:

Program Outcomes (POs) followed are in line with the NBA guidelines. During orientation program, parents and students are made aware of the POs and Program Specific Outcomes (PSOs) of the program the students are undergoing. This facilitates the institution to disseminate the information to students and their parents.

During Department staff meetings, the faculty and staff members are apprised about the POs and PSOs. This helps faculty and staffs to be aware of POs.

POs and PSOs are also prominently displayed on the Department notice boards and in Laboratory so as to make students and parents aware of the same.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all courses (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Attainment of Course Outcomes (COs): CO attainment is calculated using two assessment methods:

1. Direct Assessment (80% weightage)
2. Indirect Assessment (20% weightage)

Direct Assessment involves Continuous Internal Evaluation (CIE) and Semester End Examination (SEE), with a target score set at 66% for both components. The breakdown is as follows:

- Continuous Internal Evaluation (CIE) (40% weightage):

- Internal Assessment: 75%
- Assignments/Quizzes: 25%
- Semester End Examination (SEE) (60% weightage):
 - Attainment is calculated based on marks obtained in SEE.

Indirect Assessment (20% weightage) is based on student feedback on all COs collected at the end of the semester. The average feedback score across all COs is used for attainment calculation.

Attainment of Program Outcomes (POs) and Program Specific Outcomes (PSOs): The attainment of POs and PSOs is determined using both Direct and Indirect Assessments:

1. Direct Assessment:

- Based on students' academic performance across all courses.
- Includes performance in curricular activities.

2. Indirect Assessment:

- Program exit feedback is collected from graduating students and used for calculation.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

263

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

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

https://canaraengineering.in/naac2024/2_7_1_Student%20Satisfaction%20Survey.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

0.55

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year

04

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://www.kscst.org.in/spp/47_series/08_47_S_SPP_sanctioned_projects_17April2024.pdf

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year

3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year

07

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

21

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

18

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The outreach programs conducted in and around the campus sensitize students to reach out to people who are yet to know about latest technology. The activities conducted make students learn working in team, planning, execution of the event and communicating the officials which leads to the overall personality development of the students involved.

The nature serving team in the campus motivates the students to take part in vanamahotsava and work towards clean and green campus. Programs related to the environmental concerns like use of ecofriendly bags in place of plastic bags, cleaning the local premises and creating awareness about swachh Bharath abhiyan, maintaining the historical places clean were taken as a part of social outreach programs by the students. More than 100 trees donated by the local forest department are planted and taken care by the volunteers along with garden team.

Career guidance programs to the high school and pre university students are the part of extension activities. Demonstration of science experiments which makes students understand the theory in better way and organizing science model exhibition brings out the creativity in them.

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

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

02

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year(Data Template)	View File
e-copy of the award letters	No File Uploaded

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

23

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

278

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

0

File Description	Documents
e-copies of linkage related Document	No File Uploaded
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	View File

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

05

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Canara Engineering College Established in the year 2001, has evolved as one of the premier Engineering institutes in the region and attracts students from diverse backgrounds across the country.

All round human resource development is the corner stone and the

guiding principle of this Institution. Good placement infrastructure assists students for placement. Students are equipped with industry experience by undergoing internship every semester.

Classrooms:

The Institute has well-furnished, spacious, well illuminated and ventilated classrooms maintained for proper visibility and excellent audibility. The ICT enabled classrooms are equipped with adequate furniture with comfortable seating arrangement. LAN accessing points, LCD projectors, whiteboard and black board. ICT facilities used in the classroom is help students for better and effective learning.

Laboratories:

College provides completely equipped laboratories with the latest technology all the required software including open source soft wares, that offer the most appropriate environment for learning.

Computing Equipment:

The institution has 714 computers. Every department has separate computer labs for conducting Programming & simulation experiments to enhance the skills of the students. Special training programs beyond the curriculum with latest software as per the needs of the industry are given to students to enhance their technical skills.

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

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

Cultural Activities:

Encouraging students to participate in cultural activities is the most effective way to develop their personality. We conduct many such events like annual cultural events, annual day celebration, Onam festival celebration, Ayudha Pooja, farewell program, branch

entry program, Fresher's day programs, Kannada Rajyothsava celebration etc..

Sports and yoga center:

The primary aims of physical education have varied, based on the needs of the time and place.

A dedicated sports facility is established with provision for games and sports like Volley Ball, Basket Ball, Foot Ball, Ball Badminton, Shuttle, Cricket, Table Tennis, Chess, Caroms, etc. and also athletics with a 200Mts track.

Yoga is taught as a part of IKS in the curriculum itself from 3rd semester to 8th semester. large auditorium to accommodate nearly 200 yoga participants is ready for use.

Can Gym (Gymnasium):

Gymnasium is one of the best resources for training for volleyball, basketball and other activities. Can Gym facility is equipped with necessary apparatus like bench press, dumbbells, weight lifting and rubber matted floor. This is provided for students, faculty and staff free of cost.

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

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

40

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

40

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

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

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

1208.46

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

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

The Library subscribes 52 Indian Journals, 16 Technical magazines and 03 International Journals in print version, for use of UG Students Faculty and Staff. We have access to more than 11000 online journals, more than 10000 E books, 7800 Abstracts Articles and 5,30,000 IEEE proceedings from various publishers like Elsevier /Science Direct, Springer Nature, Taylor & Francis, Emerald, ProQuest, Knimbus digital Library platform (Remote access solution and Mobile App). Drillbit Plagiarism online Check Tool, Sententia, Netanalytiks Grammar Tool, etc. are subscribed under VTU Consortium. We have an Institutional Membership of NDLI Club.

A digital library having 32 systems with internet facility with speed of 200MBPS is available for students and staff.

Library Management system, IMS Software CANSIS is designed and Developed by the Department of Computer Science and Engineering, Canara Engineering College in the year 2017. Currently, Version 3.0 is used to manage all the day to day transactions of the library.

CANSIS is an Integrated Library management system using any web browser with an Online Public Access Catalogue (OPAC) which provides clear interface for library users for searching books by the order of 'by Author', 'Title' and 'Keywords'. Circulation module enables library fully automated books borrowing and returning system

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

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

23.99

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

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

250

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

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

Canara engineering college has provided state-of-the-art IT facilities to its students so that they can use these resources to reach their best use. In this progressing world it is very essential to be acquainted with IT tools and technology. The technology at college is constantly updated.

Network Details

Bandwidth Details: 600 Mbps 1:2 Leased Line from 01/12/2018

No of Hotspots: 6 Ruckus outdoor Assess Point.

The internet facility has been upgraded from 100 MBPS to 600 MBPS during last 5 years.

Security Arrangements:

Dell Sonic Wall 4600 Firewall. The SonicWall Network Security -Free Deep Packet Inspection® (RFDPI) engine for uncompromising performance.

- Supports Unrestricted Nodes
- 6 Gbps Stateful Throughput
- 2 10GbE SFP interfaces
- 4 1GbE SFP, 12 1GE copper interfaces

Server:-

Xen Project runs in a more privileged CPU state than any other software on the machine. Responsibilities of the hypervisor include memory management and CPU scheduling of all virtual machines ("domains"), and for launching the most privileged domain ("dom0") - the only virtual machine which by default has direct access to hardware. From the dom0 the hypervisor can be managed and unprivileged domains ("domU") can be launched.

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

4.3.2 - Number of Computers

733

File Description	Documents
Upload any additional information	No File Uploaded
Student – computer ratio	View File

4.3.3 - Bandwidth of internet connection in the Institution A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

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

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

112.88

File Description	Documents
Upload any additional information	View File
Audited statements of accounts.	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

The General Maintenance Committee (GMC) of the College involves the housekeeping activities of the entire academic block which includes class rooms, laboratories, library, office, faculty rooms, sports complex, medical rooms, and washrooms. In addition to these, they are also responsible for maintenance of hostels, water filters, garden maintenance and security personnel of both hostel and college. Further, the committee undertakes the work of disposing waste materials such as e-waste, medical waste, debris, solid waste as well as liquid waste. We have a well-maintained sewage treatment plant (STP) to treat the sewage water and use it for the gardening purpose. Staff members and its coordinators monitor each of the subcommittees. The respective staff members monitor the daily reports of the housekeeping, water filter maintenance and security. The STP and garden maintenance reports are monitored semester wise. The Chairman of the GMC is the Administrative Officer who monitors subcommittees and reports to Principal. The working of the GMC is represented in a flowchart as follows.

Responsibilities:

- The General Maintenance Committee monitors the working of different maintenance activities in the college.
- The General Maintenance Committee reports the status of the maintenance activities of the college, to the Principal and

Administrative Officer.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

378

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

66

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to institutional website	Nil
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

564

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

564

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

5.1.5 - The Institution has a transparent mechanism for timely redressal of student

A. All of the above

grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

153

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

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

16

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

8

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File

5.3 - Student Participation and Activities

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

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

5

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

The Student representation is an integral part of the teaching-learning process, co-curricular and extra-curricular activities. Student Class representatives and class committees are formed to represent the student opinion at the department level to address academic issues raised by students.

Class Advisors have a commendable rapport with students, thereby channelizing student thought process to college policy matters and the development of the institution for the benefit of the student body.

Student representation in various College committees is a witness to student initiation and involvement in planning and execution of various college policies. Students represents Student Grievances Redressal Committee, Internal Committee , Anti Ragging Committee, Equal Opportunity Facilitation Cell , Internal Quality Assurance Cell, SC / ST Committee, Social Media Cell, OBC and Minority Cell, Canteen / Mess Committee, ICT Cell, Hostel Committee, Anti Drug Cell, Placement Cell, Career Guidance and Training Cell, Environment & Green Campus Cell, Arts/Cultural/Literary Cell, Sports & Games Cell, NSS/Social Outreach Cell, Technical Activity Cell, Entrepreneurship Development Cell . This has enabled students to put forth their perspective, build a favorable connect between the student body and the institution and bring greater creditability to programs and activities conducted.

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

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

File Description	Documents
Report of the event	View File
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

For any institution, alumni are one of the very prominent pillars. The growth of an institution is deeply dependent on how alumni are involved in development of the organization. Their knowledge sharing resource sharing will play a vital role in creating the brand of the institution.

Keeping these points in mind, Alumni Association of Canara Engineers is registered on Monday 19th of January 2015 under the Karnataka Societies Registration Act, 1960. The Society Number is DKM-S175-2014-15.

Alumni Association creates and maintains a life-long connection between the Institute and its alumni. In collaboration with an extremely dedicated volunteer board of directors, the Alumni Association works to connect alumni, support students and build an unforgettable Institute experience through diverse events, programs and services. Anyone who has completed four academic years as a student at Canara Engineering College is eligible for life membership.

Support Services to the institution by the Alumni:

Alumni Talks:

Alumni Entrepreneur Meet:

Project Guidance:

Placement:

Internships:

Workshops:

Alumni Feedbacks: Feedbacks are collected from alumni who visit the institution. The valuable feedbacks are analyzed to identify and frame the additional courses beyond the curriculum for the students for industry preparedness.

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

5.4.2 - Alumni contribution during the year (INR in Lakhs) C. 3 Lakhs - 4Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

The Institute's focus and core ideology is reflected in its Vision and Mission.

VISION: To be an Engineering Institute of the highest repute and produce world-class engineers catering to the needs of mankind.

MISSION:

- Provide the right environment to develop quality education for all, irrespective of caste, creed or religion to produce future leaders.

- Create opportunities for pursuit of knowledge and all-round development.
- Attract and retain the best of faculty and technical manpower.
- Impart value education to students to build sense of integrity, honesty and ethics.

The organisational structure reflects the focused approach towards the achievement of vision and its mission. It presents a highly decentralized flow of the authority, through upward communication, delegation, and participative management by involving various stakeholders irrespective of their caste, religion and gender. For operational convenience, certain decision making and financial powers are delegated to the Principal, Deans and Heads of the Departments. Teachers are given autonomy to conduct events that reflects the knowledge gain for student community.

Perspective Plan- The perspective plan derived from the stated vision and mission of the Institute is to achieve autonomous status by 2025 through achieving the goals and objectives specified in the Strategic Plan.

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

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

The organisational structure presents a highly decentralized flow of the authority, though upward communication, delegation, decentralisation and participative management extensively. For operational convenience and to meet any exigencies, certain financial powers are delegated to the Principal and Heads of the Departments. (Flow Chart)

Practice 1: Decentralisation is practiced in terms of financial autonomy to the principal to a tune of Rs. 8,00,000/- per year. The principal is empowered for deputing faculty to various training programs, FDPs, and other value-added courses. The departments can also propose various activities for the benefit of faculty and students based on the relevance of the programme.

Faculties regularly participate in department meetings on Institutional Policies, Academic Regulations, Curriculum, Examination pattern, NBA and NAAC Accreditation Process etc. Heads of the departments in consultation with the faculty & staff submit the budget proposals to the principal which through Finance Committee and Board of Governance are approved and expended.

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Canara Engineering College is committed to assuring quality service to all its stake holders - parents, students, alumni, employees, employers and the community. In this regard a strategic plan was developed during 2014-15 and revised during 2023-24. The plan has three categories: short, medium, and long-term goals.

- Short term goals - with a span of 1- 3 years.
- Medium term goals - with a span of 3 - 5 years.
- Long term goals - with a span of 6-10 years.

All these goals are aimed at providing a quality Teaching Learning environment to students. Based on these central themes, the course of action has been unfolded both at department and institution level. We are able to successfully implement our strategic plans. The perspective plan is revised, and approval is taken in the Governing Council meeting if found necessary to keep abreast of the latest requirements of the stakeholders.

Case study: One such goal was to get the ISO 21001 and 9001 certificates for the institution during 2023-24. We have achieved that goal. CEC is able to get certified by ISO for ISO9001:2015 and ISO21001:2018 certificates on 11-07-2024 for 3 years.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

Everyone working in the organization, are encouraged to contribute to the institute's growth. Thus, they are made to believe that they are an integral part of the institution. The institute is managed by Canara High School Association established in 1891 under which 16 institutions including our college shelter. We have Governing Council (GC) as the apex body for our institute. Under GC one correspondent will act as the link between the institute and the GC. The institute is headed by the principal. Under him we have administrative officer, heads of central committees, Head of the Departments, and IQAC.

The institution has a strong governing council made up of different luminaries from various walks of life that devices all policies and decisions related to both academic and administration.

Correspondent will implement the recommendations and strategy/planning of the Governing Council/Board.

The principal being the administrative and academic head provides leadership, direction and co-ordination within the institution.

Heads of the departments have been authorized to take care of the respective departments.

Internal Quality Assurance Cell is responsible for overall development of students. IQAC- an academic body is responsible for translating an engineering student to a respectable citizen of the society.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	https://canaraengineering.in/orgchart.png
Upload any additional information	View File

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

A. All of the above

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

6.3 - Faculty Empowerment Strategies

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

Support from the institution for employees:

1. All teaching faculties are being given salary as per AICTE scale. Non-teaching staff are being given state scale
2. To promote research and encourage faculties to take up research, institution supports those who are pursuing PhD with research allowance up to Rs. 7000 per month
3. To encourage faculties, upgrade their skills and knowledge, financial support is in place for attending FDPs and making publication in Scopus indexed journals up to Rs. 10000 per month.
4. To support those who take additional responsibility, institution has provided additional allowance for extra responsibility taken up to Rs 5000 per month.
5. All employees are covered with life insurance of Rs. 100,000 to make the future of their family secured in addition to

Government schemes like PF and gratuity.

6. EPF with a ceiling of Rs.1800/- with equal contribution from employer and gratuity for all both teaching and non-teaching staff is in order.
7. We have a community health centre within the campus in collaboration with Father Muller's Hospital, Mangalore for better medical care of both internal and local community.
8. Employees can avail of a fee concession for their children at other sister institutions.

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

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

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

41

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

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

06

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

24

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Faculty appraisal system to assess performance of faculties and non-teaching staff is being followed at the institution. The major objective of the appraisal system is to tap the actual potential of each one, thereby helping them grow along with the institution. Faculty Performance Appraisal is carried out based on following three aspects:

1. Self-appraisal by individual faculty.
2. Appraisal of faculty by the Head of the Department.
3. Appraisal of faculty by the Dean (Academics) and principal.

Based on self-appraisal and the HOD's feedback, a one to one appraisal interview will be done by dean (Academics) and principal with individual faculty. The contribution of the faculty towards academics, co- curricular, extra- curricular, R&D activities will be assessed. The contribution towards overall development of the department and the institution will also be assessed. It is expected that each of the faculties score minimum marks specified in the form failing which, a suitable support will be extended for improvement.

During the appraisal, principal assigns few goals/responsibilities for the next semester/year to be attained by the faculty. These goals will be assessed for completion during coming year's appraisal. Finally, the appraisal report will be submitted to the management for information.

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Financial management has a very well-defined process at CEC. It follows following steps

1. HoDs and central committee heads will prepare the budget based on the expenditure of the current year. Normally, around 5 - 10% will be added to the previous budget to counter inflation rate
2. After the approval the approved copy is sent to each HoDs and committee heads duly signed by the management.

External Auditing:

CEC has registered auditors to get the financial statement audited every year. At CEC, financial auditing is done twice every year by external auditors. Interim auditing is done during January for the transactions done from April to December and the final auditing is done during May of every year. Last five years' auditor's report is available on the college's website.

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

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

6.88 lakhs

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Canara Engineering College is a self-financed institution. Resource mobilization is done by the following means.

1. Tuition fees
2. Donations
3. Funds from government and other agencies like AICTE, DST

Major source of income for CEC is the tuition and other fees collected from students to provide them academic and related services. This source amounts nearly to 70% of the total income of the institution.

The amount thus collected is utilized for paying salary of employees, purchase of equipments, software and hardware and for regular maintenance. Association will support the institution in case of any shortfalls for meeting the expenditure of the institution.

Apart from tuition fees, institution receives funds in the form of donations. Donations thus received at the parent body, CHSA. are distributed to students as scholarships and prizes.

In addition to tuition fees, institution has received funding from Government bodies like AICTE, DST, KSCST towards MODROBS, FDPs, Research activities and projects respectively. During last year, CEC has received Rs 55,000 from Government for funded projects.

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

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

IQAC at Canara Engineering College has been set up to promote a learner centric system for continuous improvement of students. Annual IQAC meeting is held once in a year includes all members including alumni and external experts. During Annual meeting suggestion from various stakeholders are discussed. Meanwhile internal members of IQAC meet regularly to discuss on overall improvement of the institution. We have discussed two best practices which were observed and suggested for improvement during previous IQAC meeting.

Best Practice 1: Job related technical training to students.

During 2023-24, In view of the above suggestion, it was planned to have more technical training related to their future job roles related to software industries. Experts from industries and trainers with required expertise were involved in the training program. An MoU with Q-Spiders is signed and the placements are on the rise due to better skills obtained by students

Best Practice 2: More student centric activities.

During 2023-24, 11 student clubs are started to give more chances to students to participate in extra and co-curricular activities. Students are involved and their interpersonal skills, managerial skills improves due to such activities.

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

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

IQAC has been contributing to improve the teaching learning process via various measures related to teaching learning process to impart quality education to students.

1. ISO certification: It was recommended by IQAC to go for ISO21001:2018 certification for the Institution. In this connection all senior faculty were trained for internal auditing during February 2024 and the recommendations were implemented during 2023-24. Implemented recommendations are: The teaching learning process was streamlined with more transparency, session-wise study material was prepared and distributed to students. It has been scheduled for external audit during July 2024.
2. Upgradation of Infrastructure: As per the requirements of the current curriculum and teaching learning process, labs were upgraded to add new systems and software as per the revised curriculum. The upgraded labs were inaugurated and made available to students' use from 24th February 2024.

In this way IQAC has been influencing the functioning of the institution to improve the quality of teaching learning process

continuously.

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

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Canara Engineering College, established by the Canara High School Association, aims to deliver quality education to all, promoting equality irrespective of caste, creed, or religion. Emphasizing the Right to Equality, the college established an Internal Committee. The Internal Committee organizes guest lectures, workshops, and competitions to raise awareness about social issues and women's legal rights and celebrates International Women's Day annually. To ensure safety, the college deploys CCTV surveillance, appoints women wardens and security staff in the girls' hostel, and issues out-

passes to track movement. Anti-Ragging Committee members vigilantly oversee the campus. Committees like the Student Counselling/Grievances Redressal and Internal Complaints address gender-inclusive issues. Exclusive counselling sessions for girls are provided through a Professional Counsellor and Student Welfare Officer. Health facilities include an on-call campus doctor, first aid kits, and a ladies' restroom with beds and sanitary napkin vending machines. The institute also hosts exclusive campus recruitment drives for girls. Canara Engineering College celebrates national and international commemorative days, with events engaging 40% of students, fostering inclusivity and enthusiasm. The college thrives on the collective efforts and harmony of students and faculty.

File Description	Documents
Annual gender sensitization action plan	https://canaraengineering.in/wshec
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://canaraengineering.in/naac2024/7_1_1_Gender_Equity_weblink.pdf

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

A. 4 or All of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Our institution adopts eco-friendly and sustainable waste management practices to minimize the environmental impact of daily activities. A robust Enterprise Resource Planning (ERP) system significantly reduces paper waste by digitizing critical documents and

facilitating seamless management of academic and administrative functions, including student records, attendance, marks, library management, internships, placements, and staff administration. This minimizes paperwork and promotes efficiency while supporting environmental conservation.

Waste Management Practices:

Solid Waste: Waste is segregated into biodegradable (e.g., vegetable) and non-biodegradable categories. Biodegradable waste is repurposed as animal feed or composted for use as fertilizer. Non-biodegradable materials are handed over to local recycling systems. Sanitary incinerators promote hygiene, and awareness programs encourage sustainable practices.

Liquid Waste: A Sewage Treatment Plant (established in 2017) recycles wastewater from hostels and the canteen. The treated water irrigates gardens and sustains rare plant species on campus.

E-Waste: Electronic waste is managed through a service agreement with M/s Sogo Synergy Pvt Ltd, Bengaluru, ensuring safe disposal per government norms. Equipment like computers, printers, batteries, and peripherals are recycled responsibly.

By integrating these systems, the institution fosters a green campus culture, regularly organizing NSS activities like Swachh Bharat and plantation drives to further environmental awareness and sustainability.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	Nil
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus **A. Any 4 or all of the above**

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

7.1.5 - Green campus initiatives include

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

A. Any 4 or All of the above

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. Landscaping with trees and plants

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	View File

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

7.1.6.1 - The institutional environment and energy initiatives 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

C. Any 2 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly,

C. Any 2 of the above

barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

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

Our college is a Konkani linguistic minority institution which admits students whose mother tongue Konkani is irrespective of their religion. Students from different religions like Hindus Roman Catholics; Muslims with Konkani as their mother tongue get admitted to our institution. This itself is our basic initiative and commitment towards providing an inclusive environment. In

support of this, the Institution has always promoted cultural festivals and awareness programs in the campus. Students are encouraged to involve in social outreach programs in the nearby villages under social responsibility cell. Five villages within the vicinity of the college have been adopted under the Unnat Bharath Abhiyan. Students and staff cutting across region, religion and language participate in such outreach programs. Some of the Major cultural festivals celebrated in the campus are; Aakriti: Annual College Day celebrations, Ayudha Pooja celebrated during the Dusshera, Onam an annual harvest festival celebrated in the neighboring state of Kerala.

Some of the other events conducted are Celebration of Independence Day, Republic Day, Birth Anniversary of Mahatma Gandhi, Lal Bahadur Shastri, Dr. S. Radhakrishnan, Sir M.Vishveshwaraya, International Women's day, Rashtriya Sadbhavana Diwas, Vanamahotsava and Kannada Rajyotsava. Thus, we have been promoting inclusivity in the entire campus.

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

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

Our institute aligns its vision and mission with the goal of nurturing responsible citizens, reflecting the ideals of the Indian Constitution. To instil patriotism and uphold the values of our forefathers, the "Constitution of India" is a mandatory subject in the first year of engineering for all branches. This course provides insights into key features such as directive principles, fundamental rights and duties, governance structures, and the judiciary. It aims to enhance students' awareness of constitutional values and their application in ethical decision-making within the engineering profession. Upon completion, students will understand governance structures, fundamental political codes, the election process, and the judicial system, equipping them with constitutional and legal literacy. They will also appreciate engineering ethics, their societal responsibilities, and individual roles.

National festivals like Independence Day and Republic Day are celebrated to promote constitutional awareness.

A one-week Student Induction Program marks the beginning of the engineering course, fostering a healthy routine, institutional ethos, and a bond between students and faculty. The program imparts awareness of social issues, sensitizes students to societal responsibilities, and provides an understanding of universal human values, fostering a holistic perspective on life.

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

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic 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 4. Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	No File Uploaded

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

Our college is a Konkani linguistic minority institution which admits students whose mother tongue Konkani is irrespective of their religion. Students from different religions like Hindus Roman Catholics; Muslims with Konkani as their mother tongue get admitted to our institution. This itself is our basic initiative and commitment towards providing an inclusive environment. In

support of this, the Institution has always promoted cultural festivals and awareness programs in the campus. Students are encouraged to involve in social outreach programs in the nearby villages under social responsibility cell. Five villages within the vicinity of the college have been adopted under the Unnat Bharath

Abhiyan. Students and staff cutting across region, religion and language participate in such outreach programs. Some of the Major cultural festivals celebrated in the campus are; Aakriti: Annual College Day celebrations, Ayudha Pooja celebrated during the Dusshera, Onam an annual harvest festival celebrated in the neighboring state of Kerala.

Some of the other events conducted are Celebration of Independence Day, Republic Day, Birth Anniversary of Mahatma Gandhi, Lal Bahadur Shastri, Dr. S. Radhakrishnan, Sir M.Vishveshwaraya, International Women's day, Rashtriya Sadbhavana Diwas, Vanamahotsava and Kannada Rajyotsava. Thus, we have been promoting inclusivity in the entire campus.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Canara Engineering College has successfully implemented two best practices. The first initiative is a project to develop filaments for 3D printing and other applications using PET bottles and plastic waste. This innovative endeavour aims to tackle plastic pollution by promoting the recycling and repurposing of single-use plastics. By converting discarded materials into valuable resources, the project contributes to sustainable practices while creating awareness about the importance of reducing plastic waste. Through this initiative, the college emphasizes environmental responsibility and fosters a culture of innovation and sustainability among students. The project also supports broader awareness campaigns on reducing and recycling single-use plastics for a cleaner, greener future. The second initiative is use of solar energy to promote sustainability, reduce reliance on conventional power, and minimize its carbon footprint. With 312 solar panels (450W each) supplied by Orb Energy, the system generates 1,57,203 units annually, supporting campus energy needs and feeding surplus energy to the local grid. Installed with an optimized South-North orientation, the setup aligns with renewable

energy initiatives and environmental conservation efforts. This project reduces operational costs, decreases greenhouse gas emissions, and highlights the institution's commitment to environmental responsibility, inspiring the adoption of clean energy technologies for a sustainable future.

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	No File Uploaded

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Our community health centre exemplifies best practices in delivering accessible, comprehensive, and affordable healthcare services. Staffed by a compassionate team, the centre offers primary care, including regular check-ups, treatment for chronic diseases such as asthma and diabetes, and preventative care through screenings and tests, reducing long-term health risks and costs. For serious conditions, patients are referred to specialized facilities like Father Muller Hospital in Thumbe. The centre promotes active participation in health management and collaborates with general practitioners and health agencies to provide coordinated care and fill service gaps. It emphasizes lifestyle disease prevention and creates programs to enhance social and physical community environments. Services include counselling, health promotion, nursing care, and allied health services such as audiology, dietetics, and occupational therapy. Additional offerings include aged care, maternal and child health services, mental health programs, disability support, outreach services, and substance abuse programs. The center is committed to inclusivity, providing affordable healthcare to all local residents, with fees adjusted based on the client's ability to pay. This holistic approach ensures that healthcare is not only accessible but also empowers individuals to actively participate in their well-being, fostering a healthier and more resilient community.

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

The institution meticulously adheres to the academic calendar of University, following a structured approach to ensure effective curriculum delivery. At the start of each semester, time table is prepared and the curriculum is discussed in the Department Quality Assurance Cell (DQAC), where Program Outcomes (POs), Course Outcomes (COs), and Program Specific Outcomes (PSOs) are reviewed. A meeting of the Chief course coordinator and Course instructors is held to prepare the Course Information Sheet.

The formulation of course plans integrates both the university and institutional academic schedules. The delivery of courses is systematically managed with pre-scheduled timetables, lab conduction, and classroom sessions. Regular Class Committee meetings are conducted to review progress, and teaching-learning effectiveness is monitored through feedback mechanisms.

Evaluation methods include internal assessments, other assessment tools, and the semester-end examination. The attainment of Course Outcomes (COs) is assessed both directly (through internal evaluations) and indirectly (via exit feedback). Based on these assessments, Program Outcomes (POs) and Program Specific Outcomes (PSOs) are measured. Any identified gaps in attainment are addressed through add-on courses or enhancements to curriculum delivery methods.

This process ensures the continuous improvement of curriculum delivery and aligns educational objectives with institutional and university guidelines.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	Nil

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

The institution ensures effective curriculum delivery and adheres to the academic calendar through a systematic, well-documented process. This includes defining course outcomes for each course and setting internal assessment test question papers in alignment with Form 2B and Bloom's Taxonomy Level Action Verbs. Questions are mapped to COs to ensure alignment with course objectives. The course instructors prepare a detailed scheme of evaluation, which, along with the question paper, is reviewed by a moderation committee for effectiveness and fairness. The evaluation of answer papers is conducted based on the approved scheme, and the moderation committee reviews the entire evaluation process to ensure consistency. Marks are communicated promptly to students.

In case of any grievances regarding marks, students can raise them to be addressed first by the course instructor and, if unresolved, by the moderation committee. After resolving grievances, marks are communicated to parents. Additionally, faculty members prepare well-structured lesson plans, and timetables are aligned with the academic schedule. The institution employs an Institutional Management System to document and manage content delivery, attendance, and assessment results. This comprehensive approach ensures continuous internal evaluation as per the academic calendar, maintaining high standards of curriculum delivery and fostering transparency in the evaluation process.

File Description	Documents
Upload relevant supporting documents	View File
Link for Additional information	Nil

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

C. Any 2 of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

7

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

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

25

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

1454

1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year

1454

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

To integrate cross cutting issues relevant to gender, human values, professional ethics, environment and sustainability, various courses are introduced as a part of the curriculum, which make students better human beings.

Human Values: it is necessary to have a curriculum to enhance good human values among the students. Our institution always believes to make each student to be good engineer with strong human values. Many employers are inclined towards hiring students with very high human value quotient. At the beginning of their graduation, students are given induction program with contents which promotes Universal Human Values.

Environment and Sustainability:"Environmental science" is the study of the interactions among the physical, chemical and biological components of the environment with a focus on pollution and degradation of the environment due to human activities. A course in the first year makes students realise the importance of an engineer towards their role on sustaining the environment for many generations to come.

Gender Equality: As college follows Co-education system, the department maintains gender equality in academic and non-academic activities. Institute invigorates boys and girls to participate in various activities.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

02

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Number of courses that include experiential learning through project work/field work/internship (Data Template)	View File

1.3.3 - Number of students undertaking project work/field work/ internships

260

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	B. Any 3 of the above
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File Description	Documents
URL for stakeholder feedback report	View File
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View File
Any additional information(Upload)	No File Uploaded

1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website
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File Description	Documents
Upload any additional information	View File
URL for feedback report	Nil

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of sanctioned seats during the year

630

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

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

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

96

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

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Criteria for Categorization of Students: Students are usually streamed into two categories on the basis of pedagogical convenience.

1. Advanced learners
2. Slow learners

Following factors are considered to categorize students:

At the first year of the program: Discussion/interaction with mentors, Performance in qualifying examination, qualifying entrance tests, involvement and outcome in induction program, interaction with parents and performance in first internal assessment test.

At the higher levels of the program: Discussion with mentors, academic Performance in previous semesters, co-curricular activity outside institution, discussion/interaction with teachers of previous semester/years.

Strategies for Advanced Learners:

1. Students are provided with additional inputs for better career planning and growth through special training for on campus placement drives
2. Encourage students to pursue certification courses in the latest technologies and participate in inter-collegiate activities
3. Involve in research projects to inculcate research orientation, participate in National/International Conferences, present technical/research papers
4. Inspire to make quality publications and creative

contributions to academics and society

Strategies for Slow Learners:

In the institute, course instructors of the respective courses conduct remedial classes beyond regular classes. More emphasis is given for problem solving subjects that require more focus on analytical skills.

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

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
1817	104

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

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

Experiential Learning: The program's curriculum integrates theoretical courses with laboratory sessions, enhancing the overall learning experience. Students engage in both mini and major projects, tackling real-world problems that require applying theoretical concepts. These projects are guided by industry and academic experts who mentor students in finding solutions through hands-on experience. Additionally, students participate in internships, where they acquire practical skills and insights to address real and societal challenges.

Participative Learning: Group assignments and projects foster collaboration, allowing students to learn from one another while developing their leadership, team player and interpersonal skills. Additionally, technical activities are conducted to provide a collaborative environment and encourage active engagement that enhance students' technical knowledge and build

essential skills like critical thinking, creativity and effective communication.

Problem-Solving Methodologies: A significant portion of both internal and semester-end assessment focuses on application-level questions, enhancing students' problem-solving capabilities. In addition, specialized aptitude training is provided to strengthen students' analytical and logical reasoning abilities. This training helps them cultivate a systematic approach to problem-solving, allowing them to break down complex issues into manageable parts and devise effective solutions.

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

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

The institution leverages Information and Communication Technology (ICT) to enhance teaching and learning, complementing traditional methods. Faculties utilize PowerPoint presentations through laptops, personal computers, LCDs, and projectors, ensuring that all classrooms and laboratories are equipped with necessary technology.

Students and faculty enjoy free internet access across the campus via LAN and Wi-Fi. A wealth of e-learning resources, including e-books and both open-access and subscription-based journals, is available to support their studies. Faculties also engage students through online quizzes and polls using Google Forms and MS Teams.

A well-equipped seminar hall, featuring a projector, hosts online workshops and expert talks for both faculty and students. Various software tools are employed to deepen understanding of systems and processes. The institute is also outfitted with essential ICT tools such as digital cameras, photocopiers, scanners, and printers to further enhance the educational experience.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	Nil

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

87

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	View File
Circulars pertaining to assigning mentors to mentees	View File
mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

104

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year(Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

ASSESSMENT TOOLS

Internal Assessment for Theory Courses:

The institute conducts Continuous Internal Evaluation (CIE) activities each semester, that includes internal tests, assignments, quizzes, and seminars, in-line with university guidelines. CIE generally comprises of three tests per semester, with two tests for IPCC courses—is announced at the semester's start and monitored by internal test committee.

Details of the assessment process for Theory courses:

- Course Instructors prepare question papers and evaluation schemes based on Bloom's Taxonomy, covering all course outcomes (COs).

- Question papers, approved by the Moderation Committee, include questions from past university exams, competitive exams, and textbooks, are filed with the HOD.
- Students use a single blue book per course, evaluated within a week, with the scheme discussed in class for any grievances.
- An academic audit moderates the highest and lowest scores in each section.
- Marks are uploaded to the college IMS, accessible to students and parents.

Laboratory Course Assessment:

Weekly assessments, lab records, and an end-semester test form the CIE for Laboratory courses, covering experiments and coding tasks.

Internal Assessment of special courses:

Assessment of Seminars, Internships, and Projects follows university guidelines.

University Exams Assessment Process:

The university schedules and evaluates Semester End Examinations, allowing revaluation requests post-results.

File Description	Documents
Any additional information	View File
Link for additional information	Nil

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

At CEC, internal examinations are conducted as outlined earlier. Answer papers are evaluated and returned to students within a week of test completion, with faculty discussing correct answers in classroom to clarify any doubts. Faculty review the evaluation scheme along with expected answers and addresses each student's concerns regarding marks awarded. If any discrepancies are identified, the evaluating faculty re-evaluates the answer script, adjusts the marks if needed, and ensures student satisfaction.

Within 10 days of the assessment, parents are informed of their ward's marks via SMS. For laboratory courses, marks are assessed based on experiment writeup, execution, and viva-voce conducted on weekly basis.

If students have unresolved concerns, they may approach the moderation committee and student welfare officer as per the protocol, either verbally or through Form-13H. The grievance will be addressed in grievance redressal cell meetings, and additional scrutiny or audit may be conducted according to institutional guidelines.

File Description	Documents
Any additional information	View File
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

Being Professional institute, Canara Engineering College gives utmost importance to the course outcomes and program outcomes.

COURSE OUTCOMES:

Course Objectives and Course Outcomes are defined by the University along with course content. At the department level, they are then finetuned accordingly based on the content coverage without much deviation.

Dissemination: Course Outcomes of each course is made available in the IMS and is available for all students and faculty members.

PROGRAM OUTCOMES:

Program Outcomes (POs) followed are in line with the NBA guidelines. During orientation program, parents and students are made aware of the POs and Program Specific Outcomes (PSOs) of the program the students are undergoing. This facilitates the institution to disseminate the information to students and their parents.

During Department staff meetings, the faculty and staff members are apprised about the POs and PSOs. This helps faculty and staffs to be aware of POs.

POs and PSOs are also prominently displayed on the Department notice boards and in Laboratory so as to make students and parents aware of the same.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil
Upload COs for all courses (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Attainment of Course Outcomes (COs): CO attainment is calculated using two assessment methods:

1. Direct Assessment (80% weightage)
2. Indirect Assessment (20% weightage)

Direct Assessment involves Continuous Internal Evaluation (CIE) and Semester End Examination (SEE), with a target score set at 66% for both components. The breakdown is as follows:

- Continuous Internal Evaluation (CIE) (40% weightage):
 - Internal Assessment: 75%
 - Assignments/Quizzes: 25%
- Semester End Examination (SEE) (60% weightage):
 - Attainment is calculated based on marks obtained in SEE.

Indirect Assessment (20% weightage) is based on student feedback on all COs collected at the end of the semester. The average feedback score across all COs is used for attainment calculation.

Attainment of Program Outcomes (POs) and Program Specific Outcomes (PSOs): The attainment of POs and PSOs is determined using both Direct and Indirect Assessments:

1. Direct Assessment:

- Based on students' academic performance across all courses.
- Includes performance in curricular activities.

2. Indirect Assessment:

- Program exit feedback is collected from graduating students and used for calculation.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

263

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	Nil

2.7 - Student Satisfaction Survey

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

https://canaraengineering.in/naac2024/2_7_1_Student%20Satisfaction%20Survey.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

0.55

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year**3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year****04**

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://www.kscst.org.in/spp/47_series/08_47S_SPP_sanctioned_projects_17April2024.pdf

3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year**3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year****07**

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.2 - Research Publications and Awards

3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year

3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year

21

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.2.2 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

18

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.3 - Extension Activities

3.3.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The outreach programs conducted in and around the campus sensitize students to reach out to people who are yet to know

about latest technology. The activities conducted make students learn working in team, planning, execution of the event and communicating the officials which leads to the overall personality development of the students involved.

The nature serving team in the campus motivates the students to take part in vanamahotsava and work towards clean and green campus. Programs related to the environmental concerns like use of ecofriendly bags in place of plastic bags, cleaning the local premises and creating awareness about swachh Bharath abhiyan, maintaining the historical places clean were taken as a part of social outreach programs by the students. More than 100 trees donated by the local forest department are planted and taken care by the volunteers along with garden team.

Career guidance programs to the high school and pre university students are the part of extension activities. Demonstration of science experiments which makes students understand the theory in better way and organizing science model exhibition brings out the creativity in them.

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

3.3.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year

02

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year(Data Template)	View File
e-copy of the award letters	No File Uploaded

3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS

awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

23

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	View File

3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year

3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

278

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.4 - Collaboration

3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year

0

File Description	Documents
e-copies of linkage related Document	No File Uploaded
Details of linkages with institutions/industries for internship (Data Template)	View File
Any additional information	View File

3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year

3.4.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. during the year

05

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Canara Engineering College Established in the year 2001, has evolved as one of the premier Engineering institutes in the region and attracts students from diverse backgrounds across the country.

All round human resource development is the corner stone and the guiding principle of this Institution. Good placement infrastructure assists students for placement. Students are equipped with industry experience by undergoing internship every semester.

Classrooms:

The Institute has well-furnished, spacious, well illuminated and ventilated classrooms maintained for proper visibility and excellent audibility. The ICT enabled classrooms are equipped with adequate furniture with comfortable seating arrangement. LAN accessing points, LCD projectors, whiteboard and black board. ICT facilities used in the classroom is help students for better and effective learning.

Laboratories:

College provides completely equipped laboratories with the latest technology all the required software including open source soft wares, that offer the most appropriate environment for learning.

Computing Equipment:

The institution has 714 computers. Every department has separate computer labs for conducting Programming & simulation experiments to enhance the skills of the students. Special training programs beyond the curriculum with latest software as per the needs of the industry are given to students to enhance their technical skills.

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

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

Cultural Activities:

Encouraging students to participate in cultural activities is the most effective way to develop their personality. We conduct many such events like annual cultural events, annual day celebration, Onam festival celebration, Ayudha Pooja, farewell program, branch entry program, Fresher's day programs, Kannada Rajyothsava celebration etc..

Sports and yoga center:

The primary aims of physical education have varied, based on the needs of the time and place.

A dedicated sports facility is established with provision for games and sports like Volley Ball, Basket Ball, Foot Ball, Ball Badminton, Shuttle, Cricket, Table Tennis, Chess, Caroms, etc. and also athletics with a 200Mts track.

Yoga is taught as a part of IKS in the curriculum itself from 3rd semester to 8th semester. large auditorium to accommodate nearly 200 yoga participants is ready for use.

Can Gym (Gymnasium):

Gymnasium is one of the best resources for training for volleyball, health and wellness and other activities. Can Gym facility is equipped with necessary apparatus like bench press, dumbbells, weight lifting and rubber matted floor. This is provided for students, faculty and staff free of cost.

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

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

40

4.1.3.1 - Number of classrooms and seminar halls with ICT facilities

40

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

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

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

1208.46

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

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

The Library subscribes 52 Indian Journals, 16 Technical magazines and 03 International Journals in print version, for use of UG Students Faculty and Staff. We have access to more than 11000 online journals, more than 10000 E books, 7800 Abstracts Articles and 5,30,000 IEEE proceedings from various publishers like Elsevier /Science Direct, Springer Nature, Taylor & Francis, Emerald, ProQuest, Knimbus digital Library platform (Remote access solution and Mobile App). Drillbit Plagiarism online Check Tool, Sententia, Netanalytiks Grammar Tool, etc. are subscribed under VTU Consortium. We have an Institutional Membership of NDLI Club.

A digital library having 32 systems with internet facility with speed of 200MBPS is available for students and staff.

Library Management system, IMS Software CANSIS is designed and Developed by the Department of Computer Science and Engineering, Canara Engineering College in the year 2017. Currently, Version 3.0 is used to manage all the day to day transactions of the library.

CANSIS is an Integrated Library management system using any web browser with an Online Public Access Catalogue (OPAC) which provides clear interface for library users for searching books by the order of 'by Author', 'Title' and 'Keywords'. Circulation module enables library fully automated books borrowing and returning system

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

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

23.99

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

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

250

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

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

Canara engineering college has provided state-of-the-art IT facilities to its students so that they can use these resources to reach their best use. In this progressing world it is very essential to be acquainted with IT tools and technology. The technology at college is constantly updated.

Network Details

Bandwidth Details: 600 Mbps 1:2 Leased Line from 01/12/2018

No of Hotspots: 6 Ruckus outdoor Assess Point.

The internet facility has been upgraded from 100 MBPS to 600 MBPS during last 5 years.

Security Arrangements:

Dell Sonic Wall 4600 Firewall. The SonicWall Network Security -Free Deep Packet Inspection® (RFDPI) engine for uncompromising performance.

- Supports Unrestricted Nodes
- 6 Gbps Stateful Throughput
- 2 10GbE SFP interfaces
- 4 1GbE SFP, 12 1GE copper interfaces

Server:-

Xen Project runs in a more privileged CPU state than any other software on the machine. Responsibilities of the hypervisor include memory management and CPU scheduling of all virtual machines ("domains"), and for launching the most privileged domain ("dom0") - the only virtual machine which by default has direct access to hardware. From the dom0 the hypervisor can be managed and unprivileged domains ("domU") can be launched.

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

4.3.2 - Number of Computers

733

File Description	Documents
Upload any additional information	No File Uploaded
Student – computer ratio	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

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

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

112.88

File Description	Documents
Upload any additional information	View File
Audited statements of accounts.	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

The General Maintenance Committee (GMC) of the College involves the housekeeping activities of the entire academic block which includes class rooms, laboratories, library, office, faculty rooms, sports complex, medical rooms, and washrooms. In addition to these, they are also responsible for maintenance of hostels, water filters, garden maintenance and security personnel of both hostel and college. Further, the committee undertakes the work of disposing waste materials such as e-waste, medical waste, debris, solid waste as well as liquid waste. We have a well-maintained sewage treatment plant (STP) to treat the sewage water and use it for the gardening purpose. Staff members and its coordinators monitor each of the subcommittees. The respective staff members monitor the daily reports of the housekeeping, water filter maintenance and security. The STP and garden maintenance reports are monitored semester wise. The Chairman of the GMC is the Administrative Officer who monitors subcommittees and reports to Principal. The working of the GMC is represented in a flowchart as follows.

Responsibilities:

- The General Maintenance Committee monitors the working of different maintenance activities in the college.
- The General Maintenance Committee reports the status of the

maintenance activities of the college, to the Principal and Administrative Officer.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

378

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year

66

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	A. All of the above
---	----------------------------

File Description	Documents
Link to institutional website	Nil
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year
564

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year
564

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

5.1.5 - The Institution has a transparent mechanism for timely redressal of student	A. All of the above
--	----------------------------

grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

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

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

153

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

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

16

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

8

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File

5.3 - Student Participation and Activities

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

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

5

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

The Student representation is an integral part of the teaching-learning process, co-curricular and extra-curricular activities. Student Class representatives and class committees are formed to represent the student opinion at the department level to address academic issues raised by students.

Class Advisors have a commendable rapport with students, thereby channelizing student thought process to college policy matters and the development of the institution for the benefit of the student body.

Student representation in various College committees is a witness to student initiation and involvement in planning and execution of various college policies. Students represents Student Grievances Redressal Committee, Internal Committee , Anti Ragging Committee, Equal Opportunity Facilitation Cell , Internal Quality Assurance Cell, SC / ST Committee, Social Media Cell, OBC and Minority Cell, Canteen / Mess Committee, ICT Cell, Hostel Committee, Anti Drug Cell, Placement Cell, Career Guidance and Training Cell, Environment & Green Campus Cell, Arts/Cultural/Literary Cell, Sports & Games Cell, NSS/Social Outreach Cell, Technical Activity Cell, Entrepreneurship Development Cell . This has enabled students to put forth their perspective, build a favorable connect between the student body and the institution and bring greater creditability to programs and activities conducted.

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

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

39

File Description	Documents
Report of the event	View File
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

For any institution, alumni are one of the very prominent pillars. The growth of an institution is deeply dependent on how alumni are involved in development of the organization. Their knowledge sharing resource sharing will play a vital role in creating the brand of the institution.

Keeping these points in mind, Alumni Association of Canara Engineers is registered on Monday 19th of January 2015 under the Karnataka Societies Registration Act, 1960. The Society Number is DKM-S175-2014-15.

Alumni Association creates and maintains a life-long connection between the Institute and its alumni. In collaboration with an extremely dedicated volunteer board of directors, the Alumni Association works to connect alumni, support students and build an unforgettable Institute experience through diverse events, programs and services. Anyone who has completed four academic years as a student at Canara Engineering College is eligible for life membership.

Support Services to the institution by the Alumni:

Alumni Talks:

Alumni Entrepreneur Meet:

Project Guidance:

Placement:

Internships:

Workshops:

Alumni Feedbacks: Feedbacks are collected from alumni who visit the institution. The valuable feedbacks are analyzed to identify and frame the additional courses beyond the curriculum for the students for industry preparedness.

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

5.4.2 - Alumni contribution during the year (INR in Lakhs)

C. 3 Lakhs - 4Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

The Institute's focus and core ideology is reflected in its Vision and Mission.

VISION: To be an Engineering Institute of the highest repute and produce world-class engineers catering to the needs of mankind.

MISSION:

- Provide the right environment to develop quality education for all, irrespective of caste, creed or religion to produce future leaders.

- Create opportunities for pursuit of knowledge and all-round development.
- Attract and retain the best of faculty and technical manpower.
- Impart value education to students to build sense of integrity, honesty and ethics.

The organisational structure reflects the focused approach towards the achievement of vision and its mission. It presents a highly decentralized flow of the authority, through upward communication, delegation, and participative management by involving various stakeholders irrespective of their caste, religion and gender. For operational convenience, certain decision making and financial powers are delegated to the Principal, Deans and Heads of the Departments. Teachers are given autonomy to conduct events that reflects the knowledge gain for student community.

Perspective Plan- The perspective plan derived from the stated vision and mission of the Institute is to achieve autonomous status by 2025 through achieving the goals and objectives specified in the Strategic Plan.

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

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

The organisational structure presents a highly decentralized flow of the authority, though upward communication, delegation, decentralisation and participative management extensively. For operational convenience and to meet any exigencies, certain financial powers are delegated to the Principal and Heads of the Departments. (Flow Chart)

Practice 1: Decentralisation is practiced in terms of financial autonomy to the principal to a tune of Rs. 8,00,000/- per year. The principal is empowered for deputing faculty to various training programs, FDPs, and other value-added courses. The departments can also propose various activities for the benefit

of faculty and students based on the relevance of the programme.

Faculties regularly participate in department meetings on Institutional Policies, Academic Regulations, Curriculum, Examination pattern, NBA and NAAC Accreditation Process etc. Heads of the departments in consultation with the faculty & staff submit the budget proposals to the principal which through Finance Committee and Board of Governance are approved and expended.

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

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Canara Engineering College is committed to assuring quality service to all its stake holders - parents, students, alumni, employees, employers and the community. In this regard a strategic plan was developed during 2014-15 and revised during 2023-24. The plan has three categories: short, medium, and long-term goals.

- Short term goals - with a span of 1- 3 years.
- Medium term goals - with a span of 3 - 5 years.
- Long term goals - with a span of 6-10 years.

All these goals are aimed at providing a quality Teaching Learning environment to students. Based on these central themes, the course of action has been unfolded both at department and institution level. We are able to successfully implement our strategic plans. The perspective plan is revised, and approval is taken in the Governing Council meeting if found necessary to keep abreast of the latest requirements of the stakeholders.

Case study: One such goal was to get the ISO 21001 and 9001 certificates for the institution during 2023-24. We have achieved that goal. CEC is able to get certified by ISO for ISO9001:2015 and ISO21001:2018 certificates on 11-07-2024 for 3 years.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

Everyone working in the organization, are encouraged to contribute to the institute's growth. Thus, they are made to believe that they are an integral part of the institution. The institute is managed by Canara High School Association established in 1891 under which 16 institutions including our college shelter. We have Governing Council (GC) as the apex body for our institute. Under GC one correspondent will act as the link between the institute and the GC. The institute is headed by the principal. Under him we have administrative officer, heads of central committees, Head of the Departments, and IQAC.

The institution has a strong governing council made up of different luminaries from various walks of life that devices all policies and decisions related to both academic and administration.

Correspondent will implement the recommendations and strategy/planning of the Governing Council/Board.

The principal being the administrative and academic head provides leadership, direction and co-ordination within the institution.

Heads of the departments have been authorized to take care of the respective departments.

Internal Quality Assurance Cell is responsible for overall development of students. IQAC- an academic body is responsible for translating an engineering student to a respectable citizen of the society.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the Institution webpage	https://canaraengineering.in/orgchart.png
Upload any additional information	View File

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

A. All of the above

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

6.3 - Faculty Empowerment Strategies

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

Support from the institution for employees:

1. All teaching faculties are being given salary as per AICTE scale. Non-teaching staff are being given state scale
2. To promote research and encourage faculties to take up research, institution supports those who are pursuing PhD with research allowance up to Rs. 7000 per month
3. To encourage faculties, upgrade their skills and knowledge, financial support is in place for attending FDPs and making publication in Scopus indexed journals up to Rs. 10000 per month.
4. To support those who take additional responsibility, institution has provided additional allowance for extra responsibility taken up to Rs 5000 per month.
5. All employees are covered with life insurance of Rs. 100,000 to make the future of their family secured in

addition to Government schemes like PF and gratuity.

6. EPF with a ceiling of Rs.1800/- with equal contribution from employer and gratuity for all both teaching and non-teaching staff is in order.
7. We have a community health centre within the campus in collaboration with Father Muller's Hospital, Mangalore for better medical care of both internal and local community.
8. Employees can avail of a fee concession for their children at other sister institutions.

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

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

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

41

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

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

06

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

24

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Faculty appraisal system to assess performance of faculties and non-teaching staff is being followed at the institution. The major objective of the appraisal system is to tap the actual potential of each one, thereby helping them grow along with the

institution. Faculty Performance Appraisal is carried out based on following three aspects:

1. Self-appraisal by individual faculty.
2. Appraisal of faculty by the Head of the Department.
3. Appraisal of faculty by the Dean (Academics) and principal.

Based on self-appraisal and the HOD's feedback, a one to one appraisal interview will be done by dean (Academics) and principal with individual faculty. The contribution of the faculty towards academics, co- curricular, extra- curricular, R&D activities will be assessed. The contribution towards overall development of the department and the institution will also be assessed. It is expected that each of the faculties score minimum marks specified in the form failing which, a suitable support will be extended for improvement.

During the appraisal, principal assigns few goals/responsibilities for the next semester/year to be attained by the faculty. These goals will be assessed for completion during coming year's appraisal. Finally, the appraisal report will be submitted to the management for information.

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Financial management has a very well-defined process at CEC. It follows following steps

1. HoDs and central committee heads will prepare the budget based on the expenditure of the current year. Normally, around 5 - 10% will be added to the previous budget to counter inflation rate

2. After the approval the approved copy is sent to each HoDs and committee heads duly signed by the management.

External Auditing:

CEC has registered auditors to get the financial statement audited every year. At CEC, financial auditing is done twice every year by external auditors. Interim auditing is done during January for the transactions done from April to December and the final auditing is done during May of every year. Last five years' auditor's report is available on the college's website.

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

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

6.88 lakhs

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Canara Engineering College is a self-financed institution. Resource mobilization is done by the following means.

1. Tuition fees
2. Donations
3. Funds from government and other agencies like AICTE, DST

Major source of income for CEC is the tuition and other fees collected from students to provide them academic and related services. This source amounts nearly to 70% of the total income of the institution.

The amount thus collected is utilized for paying salary of employees, purchase of equipments, software and hardware and for regular maintenance. Association will support the institution in case of any shortfalls for meeting the expenditure of the institution.

Apart from tuition fees, institution receives funds in the form of donations. Donations thus received at the parent body, CHSA. are distributed to students as scholarships and prizes.

In addition to tuition fees, institution has received funding from Government bodies like AICTE, DST, KSCST towards MODROBS, FDPs, Research activities and projects respectively. During last year, CEC has received Rs 55,000 from Government for funded projects.

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

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

IQAC at Canara Engineering College has been set up to promote a learner centric system for continuous improvement of students. Annual IQAC meeting is held once in a year includes all members including alumni and external experts. During Annual meeting suggestion from various stakeholders are discussed. Meanwhile internal members of IQAC meet regularly to discuss on overall

improvement of the institution. We have discussed two best practices which were observed and suggested for improvement during previous IQAC meeting.

Best Practice 1: Job related technical training to students.

During 2023-24, In view of the above suggestion, it was planned to have more technical training related to their future job roles related to software industries. Experts from industries and trainers with required expertise were involved in the training program. An MoU with Q-Spiders is signed and the placements are on the rise due to better skills obtained by students

Best Practice 2: More student centric activities.

During 2023-24, 11 student clubs are started to give more chances to students to participate in extra and co-curricular activities. Students are involved and their interpersonal skills, managerial skills improves due to such activities.

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

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

IQAC has been contributing to improve the teaching learning process via various measures related to teaching learning process to impart quality education to students.

- 1. ISO certification:** It was recommended by IQAC to go for ISO21001:2018 certification for the Institution. In this connection all senior faculty were trained for internal auditing during February 2024 and the recommendations were implemented during 2023-24. Implemented recommendations are: The teaching learning process was streamlined with more transparency, session-wise study material was prepared and distributed to students. It has been scheduled for external audit during July 2024.
- 2. Upgradation of Infrastructure:** As per the requirements of

the current curriculum and teaching learning process, labs were upgraded to add new systems and software as per the revised curriculum. The upgraded labs were inaugurated and made available to students' use from 24th February 2024.

In this way IQAC has been influencing the functioning of the institution to improve the quality of teaching learning process continuously.

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

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	Nil
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Canara Engineering College, established by the Canara High School

Association, aims to deliver quality education to all, promoting equality irrespective of caste, creed, or religion. Emphasizing the Right to Equality, the college established an Internal Committee. The Internal Committee organizes guest lectures, workshops, and competitions to raise awareness about social issues and women's legal rights and celebrates International Women's Day annually. To ensure safety, the college deploys CCTV surveillance, appoints women wardens and security staff in the girls' hostel, and issues out-passes to track movement. Anti-Ragging Committee members vigilantly oversee the campus. Committees like the Student Counselling/Grievances Redressal and Internal Complaints address gender-inclusive issues. Exclusive counselling sessions for girls are provided through a Professional Counsellor and Student Welfare Officer. Health facilities include an on-call campus doctor, first aid kits, and a ladies' restroom with beds and sanitary napkin vending machines. The institute also hosts exclusive campus recruitment drives for girls. Canara Engineering College celebrates national and international commemorative days, with events engaging 40% of students, fostering inclusivity and enthusiasm. The college thrives on the collective efforts and harmony of students and faculty.

File Description	Documents
Annual gender sensitization action plan	https://canaraengineering.in/wshec
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://canaraengineering.in/naac2024/7_1_1_Gender_Equity_weblink.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	A. 4 or All of the above
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File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Our institution adopts eco-friendly and sustainable waste management practices to minimize the environmental impact of daily activities. A robust Enterprise Resource Planning (ERP) system significantly reduces paper waste by digitizing critical documents and facilitating seamless management of academic and administrative functions, including student records, attendance, marks, library management, internships, placements, and staff administration. This minimizes paperwork and promotes efficiency while supporting environmental conservation.

Waste Management Practices:

Solid Waste: Waste is segregated into biodegradable (e.g., vegetable) and non-biodegradable categories. Biodegradable waste is repurposed as animal feed or composted for use as fertilizer. Non-biodegradable materials are handed over to local recycling systems. Sanitary incinerators promote hygiene, and awareness programs encourage sustainable practices.

Liquid Waste: A Sewage Treatment Plant (established in 2017) recycles wastewater from hostels and the canteen. The treated water irrigates gardens and sustains rare plant species on campus.

E-Waste: Electronic waste is managed through a service agreement with M/s Sogo Synergy Pvt Ltd, Bengaluru, ensuring safe disposal per government norms. Equipment like computers, printers, batteries, and peripherals are recycled responsibly.

By integrating these systems, the institution fosters a green campus culture, regularly organizing NSS activities like Swachh Bharat and plantation drives to further environmental awareness and sustainability.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	Nil
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	A. Any 4 or all of the above
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File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include	
7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1.Restricted entry of automobiles 2.Use of Bicycles/ Battery powered vehicles 3.Pedestrian Friendly pathways 4.Ban on use of Plastic 5.landscaping with trees and plants	A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution	
7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit	C. Any 2 of the above

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

C. Any 2 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	No File Uploaded
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	No File Uploaded

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

Our college is a Konkani linguistic minority institution which

admits students whose mother tongue Konkani is irrespective of their religion. Students from different religions like Hindus Roman Catholics; Muslims with Konkani as their mother tongue get admitted to our institution. This itself is our basic initiative and commitment towards providing an inclusive environment. In

support of this, the Institution has always promoted cultural festivals and awareness programs in the campus. Students are encouraged to involve in social outreach programs in the nearby villages under social responsibility cell. Five villages within the vicinity of the college have been adopted under the Unnat Bharath Abhiyan. Students and staff cutting across region, religion and language participate in such outreach programs. Some of the Major cultural festivals celebrated in the campus are; Aakriti: Annual College Day celebrations, Ayudha Pooja celebrated during the Dusshera, Onam an annual harvest festival celebrated in the neighboring state of Kerala.

Some of the other events conducted are Celebration of Independence Day, Republic Day, Birth Anniversary of Mahatma Gandhi, Lal Bahadur Shastri, Dr. S. Radhakrishnan, Sir M.Vishveshwaraya, International Women's day, Rashtriya Sadbhavana Diwas, Vanamahotsava and Kannada Rajyotsava. Thus, we have been promoting inclusivity in the entire campus.

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

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

Our institute aligns its vision and mission with the goal of nurturing responsible citizens, reflecting the ideals of the Indian Constitution. To instil patriotism and uphold the values of our forefathers, the "Constitution of India" is a mandatory subject in the first year of engineering for all branches. This course provides insights into key features such as directive principles, fundamental rights and duties, governance structures, and the judiciary. It aims to enhance students' awareness of constitutional values and their application in ethical decision-making within the engineering profession. Upon completion,

students will understand governance structures, fundamental political codes, the election process, and the judicial system, equipping them with constitutional and legal literacy. They will also appreciate engineering ethics, their societal responsibilities, and individual roles.

National festivals like Independence Day and Republic Day are celebrated to promote constitutional awareness.

A one-week Student Induction Program marks the beginning of the engineering course, fostering a healthy routine, institutional ethos, and a bond between students and faculty. The program imparts awareness of social issues, sensitizes students to societal responsibilities, and provides an understanding of universal human values, fostering a holistic perspective on life.

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

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic 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 4. Annual awareness programmes on Code of Conduct are organized

A. All of the above

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	No File Uploaded

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

Our college is a Konkani linguistic minority institution which admits students whose mother tongue Konkani is irrespective of their religion. Students from different religions like Hindus Roman Catholics; Muslims with Konkani as their mother tongue get admitted to our institution. This itself is our basic initiative and commitment towards providing an inclusive environment. In

support of this, the Institution has always promoted cultural festivals and awareness programs in the campus. Students are encouraged to involve in social outreach programs in the nearby villages under social responsibility cell. Five villages within the vicinity of the college have been adopted under the Unnat Bharath Abhiyan. Students and staff cutting across region, religion and language participate in such outreach programs. Some of the Major cultural festivals celebrated in the campus are; Aakriti: Annual College Day celebrations, Ayudha Pooja celebrated during the Dusshera, Onam an annual harvest festival celebrated in the neighboring state of Kerala.

Some of the other events conducted are Celebration of Independence Day, Republic Day, Birth Anniversary of Mahatma Gandhi, Lal Bahadur Shastri, Dr. S. Radhakrishnan, Sir M.Vishveshwaraya, International Women's day, Rashtriya Sadbhavana Diwas, Vanamahotsava and Kannada Rajyotsava. Thus, we have been promoting inclusivity in the entire campus.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Canara Engineering College has successfully implemented two best practices. The first initiative is a project to develop filaments for 3D printing and other applications using PET bottles and plastic waste. This innovative endeavour aims to tackle plastic pollution by promoting the recycling and repurposing of single-use plastics. By converting discarded materials into valuable resources, the project contributes to sustainable practices while creating awareness about the importance of reducing plastic waste. Through this initiative, the college emphasizes environmental responsibility and fosters a culture of innovation and sustainability among students. The project also supports broader awareness campaigns on reducing and recycling single-use plastics for a cleaner, greener future. The second initiative is use of solar energy to promote sustainability, reduce reliance on conventional power, and minimize its carbon footprint. With 312 solar panels (450W each) supplied by Orb Energy, the system generates 1,57,203 units annually, supporting campus energy needs and feeding surplus energy to the local grid. Installed with an optimized South-North orientation, the setup aligns with renewable energy initiatives and environmental conservation efforts. This project reduces operational costs, decreases greenhouse gas emissions, and highlights the institution's commitment to environmental responsibility, inspiring the adoption of clean energy technologies for a sustainable future.

File Description	Documents
Best practices in the Institutional web site	View File
Any other relevant information	No File Uploaded

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

Our community health centre exemplifies best practices in delivering accessible, comprehensive, and affordable healthcare services. Staffed by a compassionate team, the centre offers primary care, including regular check-ups, treatment for chronic diseases such as asthma and diabetes, and preventative care through screenings and tests, reducing long-term health risks and costs. For serious conditions, patients are referred to specialized facilities like Father Muller Hospital in Thumbe. The centre promotes active participation in health management and collaborates with general practitioners and health agencies to provide coordinated care and fill service gaps. It emphasizes lifestyle disease prevention and creates programs to enhance social and physical community environments. Services include counselling, health promotion, nursing care, and allied health services such as audiology, dietetics, and occupational therapy. Additional offerings include aged care, maternal and child health services, mental health programs, disability support, outreach services, and substance abuse programs. The center is committed to inclusivity, providing affordable healthcare to all local residents, with fees adjusted based on the client's ability to pay. This holistic approach ensures that healthcare is not only accessible but also empowers individuals to actively participate in their well-being, fostering a healthier and more resilient community.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

Academic Excellence

Accreditations

Research & Development

Student / Alumni Centric Activities

Short Term Goals

- Consistent improvisation in teaching - learning process with the aim of achieving better results
- Provide industry exposure and mentorship for student projects and internships through strengthened alumni connect.
- Formulation of draft BoS and Scheme / Syllabus for the autonomous batch.
- Formulation of draft BoE and reforming of examination section for the autonomous batch.

Short Term Goals

- Securing ISO certifications - Certified to ISO 21001:2018 and ISO 9001:2015 on 11.07.2024
- Renew NBA accreditations - SAR will be uploaded before 31.12.2024
- Applying for autonomy to UGC by January 2025 for autonomy status for the academic year 2025-26.

Short Term Goals

-
- Total 20% of faculty registrations to Ph.D. programme for the year.
- Getting patents published by the faculty/students is to be increased to 10 by December 2026 .
- Aim for 25 indexed publications by December 2025.

Short Term Goals

- Secured a good number of state and national level awards.
- Student participation has increased considerably
- Aim to achieve 75% student participation in activities.
- Strengthen the alumni network.
- Connect with all 1st batch alumni (2005) for the silver Jubilee celebrations.
- Involvement of alumni in institute development.