



YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

- Name of the Head of the institution **Prof. P. Ravinder Reddy**
- Designation **PRINCIPAL**
- Does the institution function from its own campus? **Yes**
- Phone No. of the Principal **04024193276**
- Alternate phone No. **8466997204**
- Mobile No. (Principal) **8466997204**
- Registered e-mail ID (Principal) **principal@cbit.ac.in**
- Address **Chaitanya Bharathi PO,
Kokapet(V), Gandipet (M), Ranga
Reddy District,**
- City/Town **Hyderabad**
- State/UT **Telangana**
- Pin Code **500075**

2.Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy) **23/05/2013**
- Type of Institution **Co-education**
- Location **Rural**

- Financial Status **Self-financing**
- Name of the IQAC Co-ordinator/Director **Dr. N.V. Koteswara Rao**
- Phone No. **04024193276**
- Mobile No: **9848244879**
- IQAC e-mail ID **director_iqac@cbit.ac.in**

3.Website address (Web link of the AQAR (Previous Academic Year)) https://www.cbit.ac.in/current_students/iqac-aqar/

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

- if yes, whether it is uploaded in the Institutional website Web link: https://www.cbit.ac.in/current_students/academic-calendars-ay-2022-23/

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 3	A++	3.59	2023	10/06/2023	09/06/2028
Cycle 2	A	3.11	2017	12/09/2017	11/09/2022
Cycle 1	B	2.73	2010	04/09/2010	03/09/2015

6.Date of Establishment of IQAC **27/04/2011**

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

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
TEQIP	Sub Component 1.1	MHRD	Nil	Nil

8.Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI [View File](#)

9.No. of IQAC meetings held during the year **1**

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

- If No, please upload the minutes of the meeting(s) and Action Taken Report **No File Uploaded**

10.Did IQAC receive funding from any funding agency to support its activities during the year? **No**

- If yes, mention the amount

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

Feedback Process

Participation in NIRF Ranking

Participation in ARIIA Ranking

NEP-2020 preparedness

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

Plan of Action	Achievements/Outcomes
Curriculum	R-22 Curriculum is implemented for UG programs
Auditing of Departments	Audit is Carried out in the respective departments and audit findings are addressed
Self-Appraisal Report	Implemented
Feedback Process Implemented	The respective faculty are counselled by the respective Heads
Visit by NAAC Peer Team	Accredited with A++

13. Was the AQAR placed before the statutory body? Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Directors, HODs, IQAC Members	08/06/2023

14. Was the institutional data submitted to AISHE ? Yes

- Year

Part A**Data of the Institution**

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• if yes, whether it is uploaded in the Institutional website Web link:		https://www.cbit.ac.in/current_students/academic-calendars-ay-2022-23/			
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Feedback Process		
Participation in NIRF Ranking		
Participation in ARIIA Ranking		
NEP-2020 preparedness		
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<ul style="list-style-type: none"> Name of the statutory body 	
Name of the statutory body	Date of meeting(s)
Directors, HODs, IQAC Members	08/06/2023
14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	
Year	Date of Submission
2022	04/01/2023
15. Multidisciplinary / interdisciplinary	
<p>The Institution has been striving hard to transform itself into a university in the near future, so as to accommodate diversity through multi-disciplinary approaches. Proposals are already drafted for introducing B.Sc. (Mathematics), M.Sc.(Applied Mathematics) and a 4- year program me in computing mathematics and are under serious consideration of the authorities. As of now an MBA programme and an MCA Programme are being successfully run by the institute.</p> <p>It is the policy of the institution in general to stick to the instructions of statutory bodies like AICTE,UGC etc., in designing the curriculum, giving due weightage (of nearly 18%) from the total credits to Humanities & social Science (HSS), including management, regulatory courses and Basic Sciences Courses (BSC).</p> <p>At the same time, certain flexibility and innovation is incorporated in the curriculum by introducing open electives, Professional electives Provision for engineering degree & honors degree and credit transfer facility from MOOCS & Internships. Besides these, a scope is also created to make the students work in multidisciplinary areas such as community engagement & service, environmental education and rural internships.</p> <p>Presently, lateral entry is permitted for all the Programs</p>	

(except Biotechnology) at the 2nd year level for diploma and B.Sc. students. Bridge courses are designed as Prerequisites for them to facilitate smooth transition and completion of the programme. Plans are all also on, to permit the entry of B.Sc.(Electronics) and B.Sc.

(computers) into BE(ECE) and BE (CSE) respectively, at the end of 2nd or 3rd year.

The institute has a well-established ACIC (Atal Community Innovation Centre) sponsored by NITI Ayog, New Delhi. This Centre is focusing on some of the important areas that the society is facing Pressing Challenges such as Agritech & food tech, health tech, Drone Technology, water sanitation & solid waste managements, environmental pollution control technology etc.,

In addition to this, institute has already established Robotics & drones lab, digital fabrication lab, breakers lab, makerspace, Idea lab sponsored by AICTE, to promote innovation and incubation for the benefit of the society.

16.Academic bank of credits (ABC):

One of the provisions of the National Education Policy 2020 (NEP 2020) is the introduction of the Academic Bank of Credits (ABC). ABC will allow students of undergraduate and postgraduate degree courses to exit the course and enter within a stipulated period. Academic Bank of Credits shall deposit Credits awarded by Registered Higher Education Institutions, for Courses pursued therein, in the Academic Bank Account of the student and the validity of such credits shall be as per norms and guidelines issued by the Commission from time to time.

A portal, <https://www.abc.gov.in>, has been launched, with the aim that HEI & Students can register in this portal. Students will be allowed to earn credits through various HEIs registered under this scheme and courses offered under National schemes by SWAYAM, NPTEL, V-Lab, etc.

Institutional registration on the portal <https://www.abc.gov.in> has been completed. Faculties are encouraged to design their own curricular and pedagogical approaches within the approved framework, including text books, reading material selections, assignments, and assessments etc. The various committees to guide

in this regard are Course Experts Groups, Board of Studies, Academic council, Governing Body. Circular on creating awareness on Academic Bank of Credit has been sent to the students. Final year students are instructed to create a login on the portal.

The data required in the specified format is not available with the present ERP software provider. New ERP software will shortly be installed and the data as per the formats specified will be prepared and uploaded to the portal.

17.Skill development:

CBIT focusses on skill development to enable the students for acquiring desired competency levels.

In this context, institute has

- Implemented a curriculum and syllabus in the paradigms of Outcome Based Education
- Being as an autonomous institution, CBIT gives highest priority to skill development. In R-20, apart from the from regular lab courses, seminars, mini-projects, and project courses, three mandatory internships for 7 credits are introduced to promote skill development apart
- Institute has a dedicated centre name "Career Development Centre" for providing the required training, skill development and placement support.
- Also signed on MoUs with various organizations and institutes for creating awareness on emerging courses, industry technologies, projects, practices.
- In addition, the institute provides capacity building programs and skill inculcation programs to final UG and PG students under the guidance of CDC.
- Students are offered with value-added courses based on skills for the skill development. These value-added courses include Communication Skills, Foreign Languages, TOEFL, GRE and GATE coaching, Emerging Technologies like IoT, Cyber Security, Data Science, Machine Learning, Robotics, Blockchain, Python, and R Programming, etc.
- Courses in all programs are organized in such a way that students get opportunities for experimental learning and skill development through internships, field works, industrial visits, project works and hands-on learning methods
- Every department offers a credit Courses on

Employability Skills, Basics of Data Structures and certificate courses for employability and skill development.

- In order to provide value-based education, institute provides courses and events on professional ethics, research ethics, Indian Constitution, life-skills and code of conduct.
- The R-22 curriculum provides an opportunity for the students to acquire additional knowledge and skills through Minor Engineering and Honours Degree programs.
- In addition, days of importance are observed to inculcate the values of truth, justice, peace, love, and nonviolence.

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

Relevance with NEP Policy. The rich heritage and eternal knowledge created and acquired by Indians over several millennia in the Indian subcontinent .The rich heritage of ancient and eternal Indian Knowledge and thought has been a guiding light for this policy.

- Curricular integration of essential subjects, skills and capacities: sections 4.27; 4.28 and 4.29.
- Towards more holistic and multi-disciplinary education :sections 11.1;11.4; 11.7 and 11.8
- Catalyzing quality academic research in all fields through a National Research Foundation:sections17.7
- Professional education: section 20.3
- Promotion of Indian Languages , arts and culture: section 22

Indian Knowledge system [IKS] repositories can be bifurcated as under

- Systematized Knowledge : Manuscripts, and Shashtraas.
- Traditional knowledge : Oral traditions , Folk songs, Stories, Arts, handicrafts

Current models of development are unsustainable and are in direct conflict with nature. Hence a dire need for the new Paradigm of development.

In order to meet the requirements of the students an exclusive students' club is initiated and christened as GEERVANA BHARATHI

[The Sanskrit Club of CBIT] with the following objectives in 2017.

Objectives of Geervana Bharathi:

- To promote interdisciplinary research on all aspects of Indian Knowledge Systems
- To preserve, and disseminate Indian Knowledge Systems for further research and societal applications
- To infuse confidence in the younger generation about our own heritage [Atma Nirbhar Bharath]
- To highlight the significance of Sanskrit in Personal and Professional life too

As an attempt, in R-18, PG Program of ME (PSPE) a course: Sanskrit for Technical Knowledge is deigned and listed under Open Elective.

UG Program a course: Indian Traditional Knowledge as mandatory Faculty are encouraged to give instruction in Local Language (Telugu) also to complement and supplement the understanding of the student particularly in Laboratory classes.

Programmes conducted by Geervana bharathi:

- One day Symposium on "significance of Sanskrit for Technological Research" on 08.09.2018
- International Conference on Vedic Mathematics on 29 - 31 Aug 2019.
- Bharateeya Chaitanyam on 29 - 05 July 2021.
- Collective Prayer cum Preach Session to combat COVID 19 on 11.04.2021.
- Prachodan -Series of webinars on 26.02.2022

Our Faculty has associated with IKS of AICTE and recognized mentor [BJS1_M26]. They are supervising Two Interns on the domain Applications of Vedic Mathematics to Engineering.

Future plans:

- To preserve original traditions, texts through appropriate means
- To collaborate with scholars, artists and experts
- To research by studying original texts and understanding their relevance for sustainable societal problems
- To develop specific courses focusing on IKS

- To infuse IKS into existing courses using relevant examples and concepts
- To disseminate knowledge.

CBIT is progressing to meet the objectives of IKS in line with NEP 2020 Under the banner of GEERVANA BHARATHI- Chaitanya Sahiti of Chaitanya Samskruthi with a motto: Gyanam Bharah Kriyam Vina

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

The Institute has conferred UGC Autonomous status from the academic year 2013-14 and designed the curriculum and syllabus, referred as R-13 Regulation. From the academic year 2016-17 the Institute has adopted Choice Based Credit System (CBCS); accordingly, the revision of the syllabus (R-16 Regulation) has been carried out. The subsequent revision of the syllabus (R-18 Regulation), was done in line with AICTE Model Curriculum from academic year 2018-19 onwards. From R-18 curriculum onwards students are having a provision to acquire Honors /Additional Minor Engineering degree by earning 20 credits additionally through MOOCs. The R-20 curriculum is enriched with courses like Engineering Exploration, Community Engagement, Universal Human Values-2, Mandatory Internships and activity points (eportfolio).

The Program curricula for UG and PG programs at CBIT mainly focuses on the Outcome Based Education and it is structured in such a way that it suits the current technology, industrial needs, requirements for continuing higher education, research and also helps the students in securing employment in different organizations. In the process of designing and developing the curriculum the departments have exercised in collecting the feedback from all the internal Stakeholders (Faculty, Students) and external Stakeholders (Alumni, Parents, Employers / Recruiters and Experts from Industry and R & D organizations). Curricular gaps are identified by Course Expert Groups (CEGs) through the feedback received from alumni/ outgoing students/ industry and the same is discussed in the department meetings to fill the gaps and accordingly revision has been made in subsequent curricula.

In all the regulations, Vision, Mission, POs and PSOs are also taken into account while drafting the curriculum. The draft copy of curriculum is sent to Program Assessment Quality Improvement Committee (PAQIC) and Department Advisory Committee (DAB) for

further suggestions. Then, it will be presented to BoS meeting for thorough discussion. The BoS includes the experts from Industry, Academia, R&D organizations and also Alumni. Later it will be presented to Academic Council to seek the approval, where Academic Council includes the members from user industry, academia from reputed institutions such as IITs/NITs, Universities, R&D Organizations.

The Teaching and Learning process is given the foremost importance in the Institute. Quality improvement in teaching and learning is achieved through well-defined processes. Institution is more focused on implementing OBE to nurture students' skills, knowledge and attitude. Learner centric pedagogical approaches are adopted by all the faculty members. They are

1. Experiential Learning Methodologies
2. Participative Learning Methodologies
3. Problem Solving methodologies

The Information Communication Technology (ICT) tools used in CBIT includes LCD projector, CBIT ERP system, GOOGLE MEET, WEBX platforms and CBIT Learning Management System.

CBIT Learning Management System:

<https://d2n36fr2627nzy.cloudfront.net/>

Every faculty has account in Learning Management System. The courses are created for respective faculty and students of that course are enrolled. Learning material related to the course is uploaded. The contents of the course are:

- Unit wise Notes
- Question Bank
- Lecture Recordings
- Slip Tests
- Assignments

The Institute's Library is maintaining the digital repository of course material for all the courses of UG and PG programs.

20.Distance education/online education:

The Institute has excellent infrastructural facilities along with ICT enabled tools to have and offer an online/blended education to its students. It has been a practice in the

Institute in offering and using these facilities for an effective and outcome oriented education. Few of such significant practices are mentioned as follows:

- Institute promotes the usage of ICT enabled classrooms which are equipped with overhead projectors, screen and internet/Wi-Fi facility. Each department has a dedicated eclassroom with an additional smart board facility. Every computer laboratory has a 1:1 Student to Computer Ratio while they are in use, and all of the machines have latest configuration and LAN connectivity. All of the classrooms and laboratories are equipped with dual facilities allowing instructors to switch between LCD projectors and white board as needed.
- The Central Library of the Institute has adequate number of LAN connected computers, where students can access digital materials including IEEE, Springer, Elsevier, ASCE, ASME Journals, NPTEL Courses, etc. All the available and subscribed e- resources are provided I.P based access and these resources can be accessed from any computer connected in the campus LAN. The library has introduced a Remote Access facility in 2021 for faculty members and students through login ID and Password. This facility enables the library users to access subscribed online databases/e-Journals/e-books from the off campus / home. This service was effectively used by library users during the COVID period.
- The institute has a customized Learning Management System (LMS) with an access to all the faculty and students. This platform is used to upload lecture videos, course material, assignments and to conduct online proctored examinations.
- The Institute is maintaining the digital repository of course material for all the courses of UG and PG programs.
- Institute has MoU with 42learn.com to facilitate offering of online courses to broadcast the recorded video lectures for UG and PG programs. These video lectures include regular courses and other industry relevant courses to fulfill and bridge the skill-gap requirements in the market and Industry. This MoU also includes promoting CBIT as a regional Hub for training and promoting skill development courses. The Institute has established a fully furnished, air-conditioned space with an adequate seating capacity

and a room for digital recording and editing of the content. The equipment provided by the Company include 4K Camera, LED Lights, Green Mat, and Focus Lights.

- The Institute further plans to offer online pre-placement training programs.
- The Institute in partnership with Atal Incubation Centre shall facilitate industry trainers and its alumni to conduct relevant programs and subsequently provide placements for students.
- Online executive programs for working professionals for professional development.
- To digitize regular courses by involving faculty, alumni and industry experts to offer to students.
- Institute has established facilities to conduct online courses and training programs for faculty and students. The institute procured licenses for Cisco-Webex and Microsoft Teams for smooth conduct of online sessions.

The Institute achieved its vision and goals with the above mentioned practices with ease and effectiveness. This is evident and witnessed during the pandemic period. Institute will also strive to do its bit with best of its capability by using and enhancing these online educational facilities in the near future for the holistic development of the institute and welfare and wellbeing of future citizens as nation builders.

Extended Profile

1.Programme

1.1 22

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1 5814

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2

1338

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3

5794

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

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1

1308

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2

385

Number of full-time teachers during the year:

Extended Profile

1. Programme

1.1 22

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2. Student

2.1 5814

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 1338

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3 5794

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

File Description	Documents
Institutional Data in Prescribed Format	View File

3. Academic

3.1 1308

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 385

Number of full-time teachers during the year:		
File Description	Documents	
Institutional Data in Prescribed Format	View File	
3.3	291	
Number of sanctioned posts for the year:		
4.Institution		
4.1	1212	
Number of seats earmarked for reserved categories as per GOI/State Government during the year:		
4.2	109	
Total number of Classrooms and Seminar halls		
4.3	2243	
Total number of computers on campus for academic purposes		
4.4	2185.26	
Total expenditure, excluding salary, during the year (INR in Lakhs):		

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

Established in 1979, Chaitanya Bharathi Institute of Technology (CBIT), affiliated with Osmania University, is strategically located in Hyderabad's, known for its concentration of software and industrial firms. Industry feedback shapes the curriculum to align with local, national, and global demands. CBIT offers undergraduate and postgraduate programs in Engineering, Computer Applications, and Business Management. Achieving UGC Autonomous status in 2013-14, the institute adopted Choice Based Credit System (CBCS) in 2016-17, transitioning to R-16 Regulation.

Subsequent revisions (R-18, R-20 and R-22) align with AICTE Model curriculum guidelines, since R-20 introduces provisions for Honors/Additional Minor Engineering degrees and emphasizes courses like Engineering Exploration and Community Engagement. Curriculum design involves stakeholder feedback, Course Expert Groups (CEGs), and approval processes by Program Assessment and Quality Improvement Committee (PAQIC), Department Advisory Committee (DAB), Board of Studies (BoS), and Academic Council, ensuring industry relevance, research focus, and employability enhancement. Vision, Mission, POs, and PSOs are integral to curriculum development, ensuring alignment with educational goals and industry requirements.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://www.cbit.ac.in/current_students/ug-and-pg-syllabus-structure/

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

12

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

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

1464

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

1.2 - Academic Flexibility

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

544

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

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

22

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

1.3 - Curriculum Enrichment

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

Since 2014, the Institute has embraced Outcome-based Education

(OBE), prioritizing student-centred learning and targeted outcomes. Course Outcomes (COs) are fundamental to OBE, guiding curriculum development and assessment. CO-PO mapping identifies curriculum impact, facilitating necessary adjustments. However, achieving certain Program Outcomes (PO6-9) necessitated introducing Humanities and Social Sciences (HSS) courses. Gender Sensitization and Environmental Science courses address global issues and foster responsible citizenship. NSS activities further engage students in societal betterment. The Parivriitha club enhances environmental awareness. Human Values are integral to holistic student development, emphasized through programs like Student Induction and a mandatory Human Values-II course. Gender Sensitization courses aim to foster critical thinking on gender issues. Environmental Science courses empower students to address environmental challenges. Engineering Exploration and Community Engagement courses further enrich students' learning experiences. The Institute diligently cultivates students' behavioural and ethical awareness regarding cross-cutting issues, preparing them for real-world challenges in their professional lives.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

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

28

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

654

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

3508

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

1.4 - Feedback System

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

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	https://www.cbit.ac.in/about_post/1-4-1-structured-feedback-for-design-and-review-of-syllabus-semester-wise-year-wise-is-received-from-1-students-2-teachers-3-employers-4-alumni-ay-2022-23/
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	https://www.cbit.ac.in/about_post/1-4-2-feedback-processes-of-the-institution-ay-2022-23/
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

1603

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

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

1165

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

2.2 - Catering to Student Diversity

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

CBIT conducts various assessments at different levels to evaluate the learning levels of students. After admission, the students undergo an orientation course and Induction Programme of two weeks duration, which helps the students to get familiarise with the institution's rules, guidelines and academic regulations. Students from various parts of the country with cultural diversity are set under one stratum of engineering. Continuous Internal Evaluation (CIE) starts after

four weeks from the commencement of classwork. At the end of each Semester End Examination (SEE) is conducted. Based on the performances, Slow and Advanced Learners are identified.

SLOW LEARNERS:

Students scoring average CGPA of less than 5.0.

The following special measures are taken to improve their learning experiences.

- Remedial Classes
- Student Mentoring System
- Tutorial Classes
- Project Groups
- Language Ability

ADVANCED LEARNERS:

Students scoring more than 7.5 CGPA.

Various opportunities made available to enhance their knowledge and skills. Some of them are:

- Honours & Additional Minor Engineering
- Credit Transfer
- Hackathons
- Exposure to Advanced Technology Experience
- Projects and Internships
- Campus Recruitment Training
- Encouragement for Co-curricular Activities

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/07/2022	5814	385

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

a) Experiential Learning

Students are encouraged to look for their own special answer to practical tasks when learning about real-world topics.

Methodologies practiced:

- **Industrial Internships/ Industrial Visits:** Students are encouraged to undergo Industrial Internships during their final Year.
- **Rural Internships/ Community Engagement:** Community Engagement is introduced in R-20 regulation with an objective to encourage students to gain an understanding of rural life, culture and social realities.
- **Learning by Doing through Laboratory Courses and Projects:** Curriculum is enriched with good number of laboratory courses, mini, minor and major projects.
- **CALL-Computer Aided Language Learning:** The Computer-Assisted Language Learning or the CALL strives to provide students with accent neutralization training, a deeper understanding of phonetics, and several other real-life skills like interview and presentation skills.

b) Participative Learning

Institute promotes participative learning by encouraging students to take part in group activities. Methodologies practiced:

- **Flipped Classes**
- **ICS-Interactive Communication Skills**
- **Hands-on Training programs/workshops**
- **Technical Clubs**
- **MOOCs Courses**

c) Problem Solving Methodologies:

Students are engaged in various problem solving activities that enable them to apply their knowledge to solve real world problems.

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://www.cbit.ac.in/campuslife_post/students-clubs/

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

The institution is equipped with the necessary tools, such as a large number of computers in engineering departments and at central facilities including library and Career Development Cell, high-speed internet connection. Through training sessions at the institution and/or faculty development programmes, the faculty is prepared to use these tools effectively.

The ICT enabled Teaching-Learning Process is supported by Regular Practical Sessions, Digital Library Access, Online Courses including NPTEL and other MOOCs, Online Journals, Online Tests, Use of LCD Projectors for Seminars and Workshops, Effective Use of Educational Videos, and Accessibility of Non-Print Material for Students of different programs. The Information Communication Technology (ICT) tools used in CBIT includes LCD projector, Smart boards, CBIT ERP system, GOOGLE MEET, WEBEX platforms.

The courses are created for respective faculty and students of that course are enrolled. Learning material for all academic courses is made available in cloud storage through <https://d2n36fr2627nzy.cloudfront.net/#>

Institute Library & Information Center has initiated to provide the access to the digital e-resources such as e-books and e-journals in the field of Engineering and Management.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://www.cbit.ac.in/current_students/ict-tools/
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

381

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

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

a) Preparation of Almanac:

The institute plans and implements Programme-wise Academic Calendars specifically earmarking the semester-wise schedules. At the beginning of every academic year, Director-Academics in coordination with Director- AEC and COE prepares academic calendar in accordance with the regulatory bodies' guidelines. The calendar includes course registration and 15-17 weeks of instruction and examination schedules.

b) Adherence to Academic Calendar:

The departments prepare an action plan in order to adhere to the almanac and academic calendar. The action plan starts with requesting for course options by faculty members, followed by allotment of courses to the faculty. Later, Timetables are prepared, distributed and displayed at the beginning of semester. All the faculty members handling the respective courses prepare the corresponding academic Teaching/Lesson plan in the prescribed format in line with the Almanac. Course

coordinators are nominated for each course and all the lesson plans are duly verified by the Head of the Department. Common Course Committee will ensure the effective implementation of academic calendars and Teaching Learning Process. For each course, three Academic Audits are conducted by IQAC for each semester that majorly focus on verification of course files, identification of slow learners and to verify the attainment of course outcomes.

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

2.4 - Teacher Profile and Quality

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

381

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

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

218

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	View File

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

288.04

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

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

39

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

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

1819

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

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

The Institute offers the following programs

1. Bachelor of Engineering
2. Bachelor of Technology
3. Master of Engineering
4. Master of Technology

5. Master of Computer Applications
6. Master of Business Administration.

Examinations or assessment of students play a very important role in deciding the quality of education. The question papers are framed as per the course outcomes and bloom's taxonomy levels. Bees Examination Tool software is used for examination fee payment, hall ticket generation, seating plan arrangement, Results processing. After the declaration of results, grade sheets, consolidated grade sheets, tabulation registers will be prepared using this software. Transcripts are also generated using this software. This software helps to conduct examinations and results processing smoothly. It is also used to prepare the reports such as Pass/fail report, grace marks report, subject wise pass percentage report, and section wise pass percentage report. This software useful to carry out physical verification of answer scripts and revaluation process. Through the portal, students can also access for their grades at any point of time.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	https://www.cbit.ac.in/wp-content/uploads/2024/02/2.5.3_IT-Intrgration_Final-Copy-A.Y-2022-23.pdf

2.6 - Student Performance and Learning Outcomes

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

Programme Outcomes (POs), and Course Outcomes (COs) have been formulated for all the UG and PG programs. Programme Outcomes (POs) represent the graduate attributes formulated as per Washington Accord and adopted by National Board of Accreditation. Program Outcomes (POs) of all the UG and PG Programmes have been disseminated to the stake holders. The Course Outcomes (COs) for each course are prepared by the course coordinator. For every course, 4 to 6 COs are prepared for addressing most of the applicable levels of Blooms Taxonomy incorporating knowledge, skill and attitude. These COs are modified and reframed, in accordance with the changes in Curriculum and revised timely. These COs are discussed and finalized in the Board of Studies (BoS) of the respective programs. The course COs are published in the syllabus book and

on the college website. Correlation matrices are generated to link Courses with their outcomes, POs and PSOs. These matrices specify the correlation in terms of high, medium and low levels (3,2 and 1 respectively). The average mapping of POs/PSOs for the given program is obtained by averaging the levels of mapping for each of the courses.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	https://www.cbit.ac.in/about_post/2-6-1-programme-and-course-outcomes-for-all-programmes-offered-by-the-institution-are-stated-and-displayed-on-website-and-communicated-to-teachers-and-students-during-the-ay-2022-23/

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

Method of measuring and the level of attainment of POs/PSOs/COs Department ensures to set the assessment questions from Class-Tests/Slip-Tests/Assignments to map with the Blooms Taxonomy levels specified in the CO Data is collected from faculty after course attainment is computed. For Direct Attainment of POs/PSOs, all courses attainment is computed for the studied batch and CO-PO/PSO attainment averages are obtained. The Course-PO/PSO attainment matrix is prepared for all the courses in a table. Individual Course-PO/PSO attainments are obtained by taking the average of the respective columns of Course-PO/PSO attainment matrix. Final PO attainment is the sum of 80% of Direct Attainment and 20% Indirect Attainment. Indirect Attainment is computed using Program Exit Survey, Employer Survey, Extra-Curricular activities. PAQIC decides PO/PSO attainment targets for the current batch based on the attainment of the recently graduated batch. If all POs/PSOs meet the targets set then the targets for next AY are increased, if any of them are not attained, then for the POs/PSOs which failed to meet the targets the attainment of the Courses mapped to the respective POs/PSOs are identified and corrective measures are planned for the next batch.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.cbit.ac.in/about_post/2-6-2-attainment-of-programme-outcomes-and-course-outcomes-are-evaluated-by-the-institution-during-the-ay-2022-23/

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

1353

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://www.cbit.ac.in/wp-content/uploads/2024/04/2.6.3.-Annual-report-for-the-academic-year-2022-23.pdf

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://www.cbit.ac.in/wp-content/uploads/2024/04/AY-2022-23-Student-Satisfaction-Survey-Google-Forms.pdf>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

Established in 2018, the 35,000 Sft. State-of-the-Art Research and Entrepreneurship Hub (R&E Hub) comprises two main wings: the

Research and Development (R&D) Centre and the Innovation and Incubation Cell (IIC), each led by separate directors. The hub fosters research, innovation, and incubation activities, aiming to create a conducive research environment. The R&D Centre focuses on advancing research in Engineering and Technology through infrastructure provision and academic support.

Departments are allotted independent spaces to facilitate individual and collaborative research, including sponsored and consultancy projects. Centers of Excellence are encouraged within departments, supported by adjunct faculty. Research projects undergo continuous monitoring by R&E directors, with anti-plagiarism measures in place. Guest lectures keep students and faculty abreast of technological advancements.

The institution engages in multidisciplinary research and industry consultancy, involving undergraduate, postgraduate, and Ph.D. students. Research activities are guided by committees, including the Research Advisory Committee (RAC) and Department Research Committees (DRCs). Several departments are recognized research centers under Osmania University, boasting over 350 researchers.

Under the Innovation and Incubation (I&I) wing, initiatives like the Start-up Cell, IPR Cell, and MSME Incubation Cell are prominent. The institute's research policy encourages tackling socially relevant issues, with seed funding provided for research endeavors. Students presenting innovative ideas receive support throughout the product development process, from patenting to commercialization.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.cbit.ac.in/wp-content/uploads/2022/11/CBIT_Research-Policy.pdf
Any additional information	View File

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

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)**12.77**

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

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year**3**

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

3.2 - Resource Mobilization for Research**3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)****102.045**

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

3.2.2 - Number of teachers having research projects during the year

22

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.cbit.ac.in/wp-content/uploads/2024/02/3.2.2-list-of-projects-grant-details-2022-23.pdf
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

62

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

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

7

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	https://www.cbit.ac.in/wp-content/uploads/2024/02/3.2.4-list-of-projects-grant-details-2022-23.pdf
Any additional information	View File

3.3 - Innovation Ecosystem

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

CBIT has been actively fostering innovation and research initiatives, spearheaded by the Innovation and Incubation Cell (IIC) and EDC, which conduct over 65 programs dedicated to nurturing innovation, entrepreneurship, start-ups, and intellectual property rights (IPR) activities. These efforts have facilitated robust innovation culture resulting in MSME funding for two faculty-initiated and one student idea proposals. Collaboration with esteemed institutions like BITS, Hyderabad, provides valuable opportunities for student projects and facilitates direct PhD admissions. Partnerships with organizations such as T-Hub, RICH, and OTBI, Osmania University enrich student's entrepreneurial acumen. CBIT takes pride in establishing the prestigious AICTE IDEA Lab, which is providing essential resources and infrastructure for idea incubation and prototyping. The Atal Community Innovation Centre (ACIC) at CBIT extends its reach to innovators, including those from rural and underserved regions, fostering an inclusive innovation ecosystem aimed at addressing societal challenges. CBIT's dedication to promoting innovation has earned recognition, with a Four Star rating from the MIC and NIRF-Innovation Ranking in the 101-150 band. Active participation in filing IPRs and engaging in product development resulted in 92 published IPRs and 17 granted patents. By actively engaging students, CBIT endeavours to cultivate a vibrant ecosystem of innovation and entrepreneurship within its academic community.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.cbit.ac.in/research_post/innovation-and-incubation/

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

80

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	No File Uploaded

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

10

File Description	Documents
URL to the research page on HEI website	https://www.cbit.ac.in/research_post/about-re/
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

251

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	No File Uploaded

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

140

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.cbit.ac.in/about_post/3-4-4-number-of-books-and-chapters-in-edited-volumes-books-published-per-teacher-during-the-last-five-years-ay-2022-23/

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

1710

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

22

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

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

35.46

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File
List of consultants and revenue generated by them	View File
Any additional information	No File Uploaded

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

1.51

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	View File
Any additional information	View File

3.6 - Extension Activities

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

CBIT NSS has organised extension activities and outreach programmes conducted during the current Academic Year are:

- Conducted awareness programmes like celebration of Quami-Ekth Week and its importance, Blood Donation, Conservation Day, Human Rights Day, CPR Awareness and Training Session, etc.
- Other activities include Unity Day and Women's Day celebrations, Services at orphanages and old age homes, YUVA, Anti-Ragging Awareness, Blood donation Camp, School Visit, Environmental awareness by plantation activities, Eye-checkup camp, Seminar on Menstrual Education - Health and Hygiene, Book donation drive, Visit to Akshaya Patra and Bhoomi pooja,

The community outreach programs were organized in the current academic year as follows:

- In-service community activities involve collaborating with villagers to raise awareness about the importance of voting.
- The ACIC-CBIT team organized several programs to address community challenges more effectively. Through the Outreach program, students actively engage with the community, providing support in various areas such as

counselling, guidance, and essential needs like shelter, food, clothing, and employment opportunities. With a focus on building trust and fostering strong relationships, students, guided by dedicated teachers, aim to inspire and empower community members to explore opportunities and overcome challenges, ultimately improving their quality of life.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.cbit.ac.in/wp-content/uploads/2024/04/3.6.1-link-for-Additional-Information.pdf

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

121

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	No File Uploaded

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

18

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

3370

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

3.7 - Collaboration

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

1011

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

36

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Institute has adequate facilities for teaching-learning, including the classrooms that are spread across various departments, sections, and centers. In addition, there are central laboratories, workshops, seminar halls equipped with LCD projectors and other teaching aids.

- There are 89 classrooms, 15 tutorial rooms, 113 Laboratories, 4 Workshops, 10 seminar halls, 16 Research labs, 4 Workshops and 4 Central 5 common Computing facilities with 100% ICT facilities with a total built-up area of 59,664.11 Sq.mts (instructional area-24,162.86 Sq.mts, Administrative area-6,205.34 Sq.mts, Amenities-17,300.99 Sq.mt, Circular area-11,994.92 Sq.mts)
- Institute is providing AI/ML SageMaker lab on AWS cloud to promote projects and research in AI/ML.
- R & E Hub is a central facility with state-of-the-art equipment, facilities for research needs of faculty and research scholars.
- 3 conference Halls, 12 board rooms and two assembly halls to take care of all placement and career development activities.
- Industry sponsored Labs (Hexagon, KernelSphere, Verizon etc.), Center of Excellence's.
- The campus is powered by 2 generators (500KVA, & 125KVA), with a sanctioned load capacity of 1630KW (2 transformers 500 KVA & 315KVA). About 4 RO plants were installed on the campus to provide hygienic drinking water to all the staff and students. The institute has a 10KW Solar energy plant installed on the C-Block building and connected to TSSPDCL Grid.
- Sufficient parking area, Banks with ATM facility, Post office, Canteen, institute managed boys hostel and private managed boys/girls hostels in the surrounding area.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.cbit.ac.in/current_students/facilities/

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

The institute is equipped with sports, Yoga and Fitness facilities. There are three sorts of complexes for hosting various sports and fitness activities and the built-up area is 15,318.67 Sq.mts.

Outdoor Sports complex

- The major sports complex has a 200 Mts standard clay track, 5,978.31 Sq. mts. cricket field, 185.81 Sq. mts. RCC-based basketball courts and pavilion. It is also used for mass public activities like institute festivals, marathons, cycling and other events.
- A well-maintained grass football field (6,070.28 Sq.mts), volleyball courts(239.13 Sq. mts.), tennikoit, kabaddi, throw-ball courts, open air auditorium, caters the institute needs.

Indoor Sports and Yoga Centers

- There are 2 wooden floored badminton courts with 392.56 Sq. mts. area and full LED illumination.
- The indoor stadium has a Fitness Lab and issue counter with a built up area of 2000 SqFt, consisting of state-of-the-art equipment providing an excellent opportunity for the institute community to improve their fitness. All fitness equipment is branded and technically sophisticated and help the users to develop overall strength of the basic and advanced sports purposes.
- The indoor stadium also has an area of 2,229.67 Sq. mts. Table Tennis chess, Carroms, Yoga and Aerobics facilities.
- There are 15 Carrom boards, 20 Chess boards, and 6 table tennis tables.
- Well equipped Gym,800-seater Assembly Hall and 200-seater auditorium, open air theater.

File Description	Documents
Geotagged pictures	View File
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

109

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

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

307.79

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

4.2 - Library as a Learning Resource

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

The CBIT Library and Information Center is established in 1979 and supports the Teaching Learning and Research activities of the Institute. It is located in a spacious independent building with an area of 18,000 sft spread over two floors.

For the effective functioning and utilization of the library resources, Library Housekeeping operations are automated by using the LIBSYS limited user software in the year 1997 with the help of the AICTE MODROBS Project. CBIT Library is one of the First self-financing financing Institute which has got the MODROB Project from AICTE.

In the year 2000 Library Management software was upgraded to multiuser NewGenLib: an Integrated Library Automation Software. NewGenLib is compatible with International standards such as MARC 21 for bibliographic description, ISBD, OAI PMH Protocol, Z 39.50 Protocol, Dublin Core, Unicode, and many more. It uses Java technology, PostgreSQL for the database, and Apache for Web server. NewGenLib unlike Koha is a platform independent software which turns it more beneficial for the user who are not well

verse with Linux.

NewGenLib is a fully web-based integrated library management software that runs on distributed computers through a network or server. It can also run on local area networks without access to the Internet. It Supports multi-user and multiple security levels and allows Digital attachments to metadata. It uses XML-based OpenOffice templates for the configurable Form Letters

NewGenLib is a complete solution for libraries. It is a unique combination of a library automation software, digital library software and a database search facilitator.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.library.cbit.ac.in/

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

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

49.99

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

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

148

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	View File

4.3 - IT Infrastructure

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

CBIT has an IT policy that outlines the general guidelines for the utilization of computing and communication resources. The management of IT Infrastructure Facilities is entrusted to a team of three professionals from the Department of CHNMS (Computer Hardware and Network Management Systems). This team is essential for ensuring the smooth functioning of our academic campus's IT Infrastructure framework. With access to a comprehensive range of equipment and services, they ensure the efficient fulfillment of our academic, research, and developmental needs. The CBIT Campus boasts 2459 desktops/servers/laptops, accompanied by a diverse software landscape comprising over 50 proprietary and open-source applications. All classrooms, labs, seminar/conference halls are equipped with systems and 170 projectors, along with a dedicated 1050Mbps leased line Internet connection. With 70% campus-wide WiFi coverage, the team ensures pervasive connectivity, promoting collaboration and information exchange among students, faculty, and staff. The campus is further secured by 165 CCTV cameras networked to monitor security comprehensively. Additionally, E-Class rooms and Conference Halls are outfitted with Interactive Touch Boards. Through their expertise and

dedication, the IT infrastructure team significantly contributes to empowering our campus community to excel in the digital age.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.cbit.ac.in/about_post/cbit-it-policy/

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
5814	2459

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 750 Mbps

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

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

A. All four of the above

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.cbit.ac.in/current_students/media-center/
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

1877.47

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

The institute has an exclusive maintenance department with over 70 staff for the regular up keep and periodic maintenance. Academic Facilities: Facility damages if any, are repaired on priority basis besides taking up periodical maintenance aspects like colouring, white washing etc.

Library: used newspapers are disposed of on a regular basis; damaged books will be condemned & sold out as scrap by calling tenders. Laboratories are maintained on a regular basis. Requirement of equipment and consumables are put up by respective HODs and those which are approved will be procured. Equipment that are obsolete are condemned based on the decision of an Expert Committee.

Sports Complex: It is maintained on a regular basis. However, the maintenance of used up sports material is taken care of by the Physical Education Department itself. Maintenance such as housekeeping, electrical & plumbing works etc., The Engineering Department takes care of on a regular basis. Maintenance of

toilets in all blocks is outsourced. Housekeeping is out sourced in R&D, N - block, while in all other blocks, the maintenance department takes care of.

Computers are maintained regularly under AMC, while the outdated or obsolete systems are sold out as E-waste after getting ECertification.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.cbit.ac.in/about_post/procedures-for-maintaining-and-utilization-of-physical-academic-and-support-facilities-laboratories-library-sports-complex-classrooms-etc-building-maintenance/

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

2613

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

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

191

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

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	https://www.cbit.ac.in/about_post/5-1-3-the-following-capacity-development-and-skill-enhancement-activities-are-organised-for-improving-students-capabilities-for-ay-2022-23/
Details of capability development and schemes	View File
Any additional information	View File

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

5797

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

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating

A. All of the above

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

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

5.2 - Student Progression

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

860

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

5.2.2 - Number of outgoing students progressing to higher education

92

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	No File Uploaded

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

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

125

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

5.3 - Student Participation and Activities

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

284

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

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

The Institute employs a unique practice of selecting the most outstanding students for the executive body of the student council annually. The top student from each branch up to the 6th semester assumes the role of president, with the second-ranking student becoming vice president. Similarly, the top student from all branches up to the 4th semester becomes the General Secretary, while each class's top student automatically becomes a class representative.

The student council plays a crucial role in planning and executing various co-curricular and extra-curricular activities within the institute. Their input influences decisions regarding examination schedules, academic calendars, and other curricular matters. Important information regarding academic and extracurricular activities is efficiently communicated through class representative groups and the student council.

Additionally, council members serve on committees such as the Grievance Redressal, Library, Students Affairs, Co-curricular &

Extra-curricular Activities, Internal Complaints, Canteen Monitoring, and Anti-Ragging, among others.

The council's feedback, along with general student input, informs improvements to institute processes and systems. They also play a significant role in organizing annual festivals, cultural (SHRUTHI) and technical (SUDHEE), and implementing student welfare initiatives like health camps and scholarships.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.cbit.ac.in/about_post/cbit-internal-committees/

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

107

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

5.4 - Alumni Engagement

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

The institution organizes Annual Alumni Meet every year in the month of December to connect Alumni with alma mater, their classmates and current students. During this meet, in addition to Reunion Day, Celebrations of Silver Jubilee batch are also organized. The primary objective of the Alumni Meet is to encourage vibrant student-alumni interactions that would benefit our students in terms of learning, knowledge transfer with regards to guidance for higher education, opting apt courses and universities, arranging alumni talks/guest lectures/expert talks, seminars, career counselling, Alumni merit scholarships, entrepreneurship assistance, design, and development of curriculum as members of various academic bodies. The Alumni

contribute to the college in terms of ideas and as resource persons for various sessions and assist in placements and industrial visits of reputed organizations. They also take part in departmental activities like acting as judges. As a token of gratitude, money is being contributed by Alumni to meet the needs of underprivileged students. The institute also confers the meritorious alumni with awards every year excelling in various fields. In addition to this the institute also organized one more Alumni Meet in the name of Meet & Greet on 15th April, 2023.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://alumni.cbit.ac.in/

5.4.2 - Alumni's financial contribution during the year

E. <2 Lakhs

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 an effective leadership in tune with the vision and mission of the Institution

The Institution has defined its Vision, Mission and Quality Policies which is approved by the "Governing Body" of the Institution.

Vision:

To be the Center of Excellence in Technical Education and Research.

Mission:

To address the Emerging needs through Quality Technical Education and Advanced Research.

Quality Policies:

CBIT imparts value based Technical Education and Training to meet the requirements of Students, Industry, Trade/ Profession, Research and Development Organizations for Self-sustained growth of Society.

Participation of Faculty in different committees:

Faculty members of the Institute are included as members of different committees such as, Governing Body(GB), Academic Council, Common Board of Studies, Board of Studies, IQAC etc. As per the guidelines faculty have been nominated as members of GB, Academic council. All the Directors and the few nominated HoDs, teachers to represent all the levels along with the external experts as per the guidelines for committee composition are included as members of the IQAC. BoS committees include HoD, all the Professors, one Associate Professor and one Assistant Professor of the department along with the experts from the Industry and Academic Institutes. The faculty are also members of other Committees viz., Anti Ragging, Grievances and Redressal, Industry-Institute Interaction, members of Department Advisory Board(DAB), Program Assessment and Quality Improvement Committee(PAQIC), Course Expert Group(CEG).

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.cbit.ac.in/about_post/about/

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

The management of the Institution elucidates and ensures its effective leadership in every endeavour it initiates. One of the decentralization initiatives include creating Director positions to assist the Head of the institution in planning and executing procedural activities. Various Statuary Committees/ Non-Statuary and other Academic, non-academic committees have been constituted for effective functioning of the Institute.

Case Study:

Decentralization and Participative Management to organize institutional level event "Annual Techno fest-SUDHEE" and "Annual Sports and Cultural Fest-SHRUTHI".

Placing the discussion in the student activity advisory committee at the management level.

Principal Nominates core committee and other sub committees for fest.

Principal as the fest advisor shall convene a meeting to discuss the responsibilities of sub committees.

The Head of the Institution presents the budget with the President of the CBIT Society for the necessary approval following the submission of the budget from chairmen of all the committees.

After the completion of the event, chairmen of the sub-committee submit the statements of expenditure incurred, to the head of the institution through core committee.

The core committee submits the report about the student techno and cultural fest to the head of the institution.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://www.cbit.ac.in/wp-content/uploads/2024/04/6.1.2-link-AY-2022-23.pdf

6.2 - Strategy Development and Deployment

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

Strategic planning is a mandatory, dynamic and continuous process with a specific focus on accomplishing short-term, mid-term and long-term goals in this highly competitive world. This strategic planning document reflects a record of Institute strategies for the consecutive five years (2020-2025), to accomplish its Vision and Mission by means of challenging, realistic yet attainable goals with long range planning.

A Total of eight goals are formulated, while maintaining

educational policies and guidelines of MHRD.

The Eight Goals are:

1. Enrichment of Curriculum and Teaching Learning Process
2. Human Resources: Faculty and Staff
3. Research, Innovation, Incubation and Entrepreneurship
4. Development of Infrastructure and Facilities
5. Placements
6. Alumni and Interaction
7. Good Governance, Resources and Committees
8. Quality Assurance and Enhancement

Goal 1: Achieving Academic excellence by curriculum orientation and fostering experiential learning through ICT.

Academic flexibility is enhanced by introducing innovative curriculum and regulations (R-13, R-16, R-18, and R-20) with more focus on project-based learning, open electives, one credit/two-credit courses, value-added courses, semester-long internships with fast-track opening and industry/research organization-linked projects.

Depending on the progress of the academic reforms the curriculum is upgraded by considering the Vision and Mission of the department in line with the institute Vision and Mission.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.cbit.ac.in/about_post/cbit-strategic-plan/
Upload any additional information	View File

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

The Governing Body will comprehend and amend the Rules from time to time. The Governing Body shall amend the rules only in the interest of the Institution and its Employees. The Governing Body shall be the Principal organ of the Management of the Institute. The Finance Committee and Academic Council shall act as an Advisory Body to the Principal, to consider and approve the same.

Governing body along with its General body and Advisory committee supports President of the society in strategizing and preparing innovative policies and subsequent action plans at macro level functioning of the Institute. Principal of the Institute is central guiding, and monitoring all the Directors, Heads of department and section heads with the support of their respective supporting staff.

Department level Board of Studies Coordinates Research, Teaching, Extension and other Academic activities in the Department / College. The frame work of organizational structure and its formulation is articulated in a manner that its supporting bodies are effective and efficient in their overall and holistic functioning leading to attainments of desired outcomes.

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.cbit.ac.in/wp-content/uploads/2022/11/To-Upload-Organisational-Structure-Dated-29-10-2022.pdf
Upload any additional information	View File
Paste link for additional Information	https://cbit.ac.in/wp-content/uploads/2019/04/Human-Resources-Policy-Manual-2.pdf

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

A. All of the above

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

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The Institute extends all the welfare measures to both teaching, non-teaching staff.

Welfare measures :

1. Institute offers , Gratuity, Medical leave, Earned leave, Half Pay leave to all the regular employees and also provides Concessional Transport facilities ,for both teaching and nonteaching staff.

2. An Ambulance is made available in the college.

3. Institute extends Maternity leave for a period of 6 months to

all the eligible faculty.

4. The Provident Fund scheme is implemented for all eligible Staff

5. Faculty are encouraged to take up consultancy activities by providing sharing of revenue.

6. The Institute supports faculty with seed money grants for minor research activities and assists with experimental setup.

7. Institute provides Registration fee, Dearness allowance for teaching and non-teaching staff for attending various conferences, workshops and skill development courses

8. Institute provides ESI facility, festival advance for all eligible nonteaching staff.

9. Institute provides Medical Insurance Policy for teaching and non-teaching staff.

10. Institute provides group insurance (GSLI) facility for all eligible teaching and non-teaching staff.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://cbit.ac.in/wp-content/uploads/2019/04/Human-Resources-Policy-Manual-2.pdf

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

34

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 programmes organized by the Institution for its teaching and non-teaching staff during the year

76

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

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

452

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

6.4 - Financial Management and Resource Mobilization**6.4.1 - Institution conducts internal and external financial audits regularly**

The Accounts department handles book keeping, preparation of financial statements and submitting the same to the statutory bodies like Income Tax department, UGC, AICTE, NAAC, NBA and State government as needed. The financial information is scrutinized by auditors, TAFRC and Finance committee at various times. The institute has appointed two chartered accountant firms for internal and, external audits regularly.

The internal auditor and their staff visit the campus at the end of each quarter and conducts verification of books of accounts, Student ledgers, Purchase proceedings, payrolls and also verify if the internal controls are in place. After thorough verification, auditor gives a report on the functionality of

same to the management of the college. From financial Year 2016-17 M/s. SSVS and Associates has been conducting Internal Audits. The external auditor and their team visit the college after the end of financial year conducting sample verifications of books, Purchase proceedings, payrolls and thorough verification of statutory obligations like TDS, ESI, EPF and Professional Tax. The external auditor verifies the financial statements as per ICAI standards and gives audit report, file Income tax audit reports 3CD, 3CB and 10B with IT department. M/s.P. Murali and Co is currently the institutes' external/ statutory auditors.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.cbit.ac.in/wp-content/uploads/2024/03/6.4.2-CBIT-A-BALANCE-SHEET-2022-23.pdf

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

37,26,520

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

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

Mobilization of Funds: The institute's financial stability relies heavily on effective planning. The annual tuition fee income from its students is the primary source of funds. Apart from this tuition fee, the institute collects other fee from students and Interest earned on the fee collections is invested as fixed deposits, Sponsorships for cultural & Technical events, Consultancy Income etc. The annual tuition fee is decided by TAFRC once in three years (Block Period) after reviewing the audited financial statements of pervious block period. The TAFRC

calls for fee proposals before the commencement of new block period. After reviewing TAFRC, calls for a hearing, the fee is decided and a GO is issued.

The fee remains same for students admitted for the blockperiod,i.e., for ensuing three academic years.

Utilization of Resources:

The heads of the departments submit their requirements and costs, justified for the academic year.Accounts department in consultation with Principal and heads of departments, prepares department wise budget.The Infrastructure development department handles budgets for proposed infrastructure development, repairs and renovations to the buildings and maintenance after consulting the chairman D and P and management level infrastructure committee. The final budget is placed before the finance committee for necessary approvals and directions.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.cbit.ac.in/wp-content/uploads/2023/12/CBIT-A-BALANCE-SHEET-2022-23.pdf

6.5 - Internal Quality Assurance System

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

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing

quality assurance strategies and processes visible in terms of incremental improvements made

during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles).

IQAC initiates quality assurance strategies and its processes from time to time according to the academic and allied field requirements in line with the governing and regulatory bodies.

Institutionalized Practice-1:Recruitment process of teaching positions process is redefined.

The selections shall be carried out with the approved recruitment procedures mentioned below:

1st Level: All the faculty applications are scrutinized by IIT/IISc., Professors panel followed by interviews for short-listings. 2nd Level: The short listed candidates are then interviewed by Osmania University panel.

Institutionalized Practice-2:Assessment of Research and Innovation activities of the faculty.

The faculty are assessed based on :

- Research Paper publications.
- Publications of books and Monographs
- Research Projects Consultancy works& Research Guidance

Institutionalized Practice-3:

Recognizing student's Career preferences and Awareness sessions

Following awareness sessions shall be conducted by Career Development Centre(CDC):

- Providing guidance on preparation for placements.
- Awareness sessions on Higher education to pursue MS/MBA are organized for pre-final students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.cbit.ac.in/wp-content/uploads/2024/04/6.5.1-AY-2022-23.pdf

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of

operation and learning outcomes at periodic intervals through its IQAC as per norms

Response:

1.Academic and Administrative Audit:

The IQAC of the institute is striving its best with all its means to initiate, strengthen and sustain the quality teaching learning process and relevant methodologies for its operations. To ensure these initiatives, an auditing process is in practice and is being done systematically.

1.Feedback System:

Feedback system plays a vital role in understanding and refining the teaching and learning process in the institute. One of the feedback mechanisms is interactive and another is through online.

Interactive Feedback Process:

In obtaining the oral feedback, a systematic procedure is adopted for collecting the feedback on the teaching learning process (both for theory and lab courses) and on common facilities of the institute.

Online Feedback Process:

All the students of the institute exercises their feedback on the Teaching Learning Process for every course that they have taught during the semester through LMS of the Institute portal. The formats of the feedback form(s) both for theory course and laboratory course are provided in the additional information. The institute also practices the process of taking the following surveys and feedbacks for further improving the Teaching Learning Process; Course End Survey, Teachers Feedback, Alumni Feedback, Parents' Feedback, Employer Feedback.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.cbit.ac.in/wp-content/uploads/2024/04/6.5.2-final-AY-2022-23.pdf

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)	A. Any 4 or all of the above
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File Description	Documents
Paste the web link of annual reports of the Institution	https://www.cbit.ac.in/wp-content/uploads/2023/12/CBIT-A-BALANCE-SHEET-2022-23.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

The women faculty and the girl students of the institute are always encouraged to organise and attend various academic events at national and international level. The strength of the women faculty is 124 out of the total strength of 328.

Specific facilities provided for Women:

The following specific facilities are provided for women

1. **Safety and security:** The institute has constituted an Internal Complaints Committee (ICC) and a Women development cell (WDC) specially for women safety, to address and prevent sexual harassment at work place.
2. **Counseling:** The institution gives utmost importance for the welfare and the performance of the students. Counseling activities take place on the campus on the regular basis.
3. **Common Rooms:** Common rooms for the girls are provided

- exclusively for girls with all necessary facilities
4. Any other : Workshops on Gender sensitization are conducted on a regular basis to bring awareness about different types of gender and also to promote gender equality.

The girl students are motivated and encouraged immensely to participate in sports at national and international level. The course Gender Sensitization has been implemented into the curriculum and the main objective of this course is to develop students' sensibility with regard to issues of gender.

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

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

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

- Solid waste management

To achieve 3 R's, the institute had taken steps to segregate degradable and non degradable waste. Composting these wastes provide a means of accomplishing all three R's.

The institute has an MOU with Urban Rebox Pvt. Ltd to lift non-degradable wastes which will be sent for recycling purposes.

- Liquid waste management

Drinking water facility is arranged on the campus and wastage is

restricted through proper monitoring. The liquid waste generated includes acids used in laboratory courses and hence disposed into waste water drains.

- Biomedical waste management:

The Institute has a medical centre where first aid is being provided and hence, no biomedical waste is generated.

- e-waste management

All electrical waste and the electronic waste is sent for recycling through Urban Rebox IT Pvt. Ltd.

- Hazardous chemicals and radioactive waste management:

There is no generation of any type of hazardous chemicals and radioactive waste.

- Waste recycling system

Reverse Osmosis mineral water plants are installed in 5 different buildings and the rejected water is reused for watering the plants through a sprinkler system.

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

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

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

7.1.5 - Green campus initiatives include

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

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

A. Any 4 or All of the above

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

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

A. Any 4 or all of the above

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

<p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.</p>	<p>A. Any 4 or all of the above</p>
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File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
Any other relevant information	View File

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

CBIT is very particular about our responsibility to make our successors perceive the richness of our heritage. It believes in the fact that the social reformists, Educationists, and Successive governments should work for the betterment of the society. To promote our cultural significance and patriotic

sensibility it encourages the suitable environment in the campus to uplift the regional, social, economic and cultural harmony

The institute actively participates in the events which benefit the society in various fashions. In this process, CBITMUN took its form. On the occasion of the 73rd Republic Day, CBIT Model United Nations (CBITMUN) conducted Panel Talk Colloquy on the topic 'Indic Renaissance-Reviving India's lost heritage for the future generations.

The institute ensures Inclusive Environment by the following clubs: Chaitanya Suraksha, Chaitanya Reethi , Chaitanya Samskruthi , Chaitanya Chaaya and the EBSB - Ek Bharath Shresht Bharath. The objectives of the EBSB are to Successfully carry out and complete the Exchange of our culture and language.

The Annual Sports & Cultural Fest (Shruthi) is conducted to promote our culture, heritage and indigenous traditions. The intention is to promote our fine arts and culture. The students get a good exposure to various forms of music, dance, sports and culture.

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

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

1. Curriculum on Constitutional Obligations

The Institute adopted the mandatory course on 'Indian Constitution and Fundamental Principles' in 2018 to sensitize the students to Constitutional Obligations: Values, Rights, Duties and Responsibilities.

2. Sensitization of Values

National Voters Day was celebrated on 25th January 2023 by organizing guest lectures to sensitize the importance of voting in the Municipal Elections. Constitution Day was celebrated on

26th November, 2022 to sensitize on constitutional values.

3. Sensitization of Rights

Students were shown a Documentary film on 'India Untouched' to focus on existing social

discriminatory practices and to motivate for the right to equality.

NSS volunteers visited Aadarana trust- Children orphanage on 6th November 2022 and Goonj Organisation on 26th November 2022 to create awareness on child rights and distributed clothes to them.

4. Sensitization of Duties

The NSS unit observed the Communal Harmony Campaign Week from 19th to 25th November to sensitize communal Harmony, National Integration and Unity.

"Rashtriya EktaDiwas" was observed on 31st October by organising activities like 'Run for Unity and Essay Writing

5. Sensitization of Responsibilities

Students were taken to Akshaya Patra Foundation which provides mid-day meal in government schools. It was aimed to sensitize the responsibilities towards poor children.

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

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed

A. All of the above

on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	View File

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

The Institute is a very vibrant campus where the staff and students are involved in many special events and celebrations. It promptly observes many nationally and internationally important days and moulds its students socially conscious and ethically strong.

“National Girl Child Day” is celebrated to spread awareness about inequities that girls face in society.

Webinars on Empowering girl children, health & hygiene, gender equality etc. were organised

Independence Day and Republic day are celebrated and the National flag is hoisted by the Honourable President of CBIT

International Women’s day is celebrated on 8th March to identify and appreciate the achievements of women and mark women empowerment.

At CBIT, the 1st day of Bathukamma is celebrated to portray the culture and traditions of Telangana.

Teacher's Day Celebrations are held on the occasion of the Birthday Celebrations of Dr. Sarvepalli Radhakrishnan.

National Engineers day is celebrated to recognise the achievements of the great engineer Sir Mokshagundam Visveswarayya..

The "International Day of Yoga" is celebrated to motivate young minds towards holistic health.

To support and encourage environmental protection, CBIT observes 'Earth Day', with various themes. and competitions.

World Drug day is celebrated on June 26 to achieve a world free of drug abuse.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Best practice-I

1. Title of the Practice: Innovative research on contemporary societal needs

2. Objectives of the Practice:

CBIT has taken up a multidisciplinary project "Indo-American Artificial Heart Program" (IAAHP)

3. The context

IAAHP a collaborative research program, bringing together medical and engineering fraternities

4. The Practice

For the referred Artificial Heart project, various versions of the pump were designed

5. Evidence of Success

In-vivo testing on sheep are completed for the pump developed and Human trials are pending.

6. Problems Encountered and Resources Required

A huge funding is needed to complete the project

Best Practice-II

1. Title of the practice: Open Source projects and Hackathons through COSC Club

2. Objectives of the Practice:

COSC club was established with an objective of providing a platform for creative activities.

3. The Context:

COSC was started to encourage the students to participate in its activities

4. The Practice:

COSC club is most vibrant and successful clubs through which we secured prizes

5. Evidence of Success:

COSC conducted events and the members won the prizes in several Hackathons.

6. Problems Encountered and Resources Required:

Funding is needed to encourage more events

Best Practice-III

Title of the Practice: Best practices followed by the department of ECE

File Description	Documents
Best practices in the Institutional website	https://www.cbit.ac.in/wp-content/uploads/2024/04/7.2.1-Best-Practices-AY-2022-23.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

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

Atal Innovation Mission (AIM) at NITI Aayog is mandated to promote a culture of innovation and entrepreneurship in India. ACIC-CBIT Research and Entrepreneurship Foundation has been registered by CBIT as a Special Purpose Vehicle (SPV) under the Companies Act.

The objective of the ACIC program is to offer unique and incentivized solutions, which will encourage to ideate and design novel innovative solutions for the communities in and around the Atal Community Innovation Centers.

CBIT encourages the innovative workforce of innovation to ignite the ability to conceive, create, innovate, and implement solutions to benefit society and Industry.

Practice:

ACIC CBIT encourages and mentors ideas from diverse domains such as Agricultural Farming, Water, Sanitation and Waste Management, Bio-Technology and health monitoring systems, COVID-19-related solutions, Renewable Energy and Environmental Sustainability, AI and ML based products.

Sixty Plus MoUs with Govt. Institutions, Industries and other institutions facilitate the students to have Industry interaction, and internships.

The IPR Policy and Innovation & Incubation Policy introduced by CBIT have encouraged the students, faculties and start-ups to

start idea incubation.

Outcome:

With MSME and Industry interaction, Students learned how to Function effectively as an individual, as a member or leaders in diverse teams, and in multidisciplinary project development.

File Description	Documents
Appropriate link in the institutional website	https://www.cbit.ac.in/wp-content/uploads/2024/04/7.3.1.-Institutional-Distinctiveness-AY-2022-23.pdf
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

Achieving Academic Excellence by curriculum Orientation and fostering experimental learning through ICT

- Conducting Training Programs to create more awareness
- Establishment of new Industry based labs
- Community Outreach programs
- Introducing new programs in the emerging area

Faculty and staff

- Faculty and staff recruitment Process.
- Involving professors from IIT and IISC on the recruitment panel.
- Conduction of NITTTR program.
- Staff training by the Industrial experts for quality improvement.

Research, Innovation, Incubation and Entrepreneurship

- Encourage the individual departments to set up Center of Excellence
- Arrange the guest lectures to both students and faculty to get technical exposures to latest technologies and developments and motivate them to take up consultancy assignments.
- Motivate the students to nurture innovators to ideate in areas of societal importance through community innovation

- Collaborate with T-Hub's, T-Tribe and TiE Hyderabad for developing Entrepreneurship culture.

Infrastructure and facilities

- Facilitate Teaching-Learning Infrastructure for Digital Education.
- Digital repository of course content of all the courses and shall be made available to all the students with the help of Cloud teaching.
- Green campus.

Enhancement of placements and Internships through Industry focused training programs

Alumni and Interaction

- Establishment of Alumni association office and creation of interactive Alumni Website.