Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)**
Name of the head of the Institution	**Dr. P Ravinder Reddy**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04024193276**
Mobile no.	**8466997204**
Registered Email	**principal@cbit.ac.in**
Alternate Email	**ravinderreddyp_mech@cbit.ac.in**
Address	**Chaitanya Bharathi PO, Kokapet(V), Gandipet(M), Ranga Reddy (Dist.)**
City/Town	**Hyderabad**
State/UT	**Telangana**
Pincode	**500075**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**22-May-2013**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr. N V Koteswara Rao**
Phone no/Alternate Phone no.	**04024193276**
Mobile no.	**9848244879**
Registered Email	**director_iqac@cbit.ac.in**
Alternate Email	**nvkoteswararao_ece@cbit.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.cbit.ac.in/wp-content/uploads/2019/04/CBIT-AQAR-2017-18.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.cbit.ac.in/current_students/alamanac/

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B**	**2.73**	**2010**	**04-Sep-2010**	**09-Mar-2015**
2	**A**	**3.11**	**2017**	**12-Sep-2017**	**11-Sep-2022**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**27-Apr-2011**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		
One Week Online Faculty Development Program on	28-May-2020 05	275
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8. Provide the list of Special Status conferred by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
TEQIP	Sub Component 1.1	MHRD	2011 2019	5000000
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	**1**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

Feedback process

Self-Appraisal Report for faculty

Preparation of PG-NBA Self Assessment Reports (SAR)

Auditing of academic departments

Designing of Curriculum for PG programmes as per AICTE model Curriculum

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Curriculum	R-19 Curriculum is implemented for PG programmes
Auditing of Departments	Audit is Carried out in the respective departments and audit findings are addressed
Visit by PG-NBA Committees	Three (3) PG programmes are Accredited by NBA
Self-Appraisal Report	Implemented
Feedback Process Implemented	The respective faculty are counselled by the respective Heads
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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	29-Jan-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	Management Information System in the form of Enterprise Resource Planning (ERP) is under implementation in the Institution for the following purposes: ? Online attendance entry by respective faculty ? Monitoring of attendance of the students by the authorities ? Updating of attendance information to the parents ? Roll list generation for seating arrangements during examinations ? OMR generation in the Semester End Examination process ? Generation of attendance statements ? Coding and decoding of answer scripts ? Uploading of marks ? Processing of results ? Generation of reports on results as per the stipulated norms by

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
MBA	672	MBA	19/07/2019

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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
No Data Entered/Not Applicable !!!				

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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	CIVIL ENGG	10/10/2019
BE	IT	16/03/2020
MBA	MBA	17/10/2019

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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	CIVIL	01/01/2019
BE	CSE	01/01/2019
BE	EEE	01/01/2019
BE	ECE	01/01/2019
BE	MECH	01/01/2019
BE	IT	01/01/2019
BE	PROD ENGG	01/01/2019
BTech	CHEM	01/01/2019

BTech	BIOTECH	01/01/2019
MBA	MBA	01/01/2019
MCA	MCA	01/01/2019
ME	STRUCTURAL ENGG	01/01/2019
ME	CAD/CAM	01/01/2019
Mtech	CSE	01/01/2019
ME	COMMUNICATION ENGG	01/01/2019
ME	PSPE	01/01/2019
ME	EMBEDDED SYSTEMS AND VLSI DESIGN	01/01/2019
ME	THERMAL ENGG	01/01/2019
Mtech	CNIS	01/01/2019

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
No Data Entered/Not Applicable !!!		
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
No Data Entered/Not Applicable !!!		
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
Student feedback: 1 Oral/On-line Feedback: In obtaining the oral feedback, a systematic procedure is adopted for collecting the feedback on teaching learning process (both for theory and lab courses) and also on common facilities of the institute. In the oral feedback system Directors of Internal Quality Assurance Cell (IQAC), Student Progression, Academic and Examination Cell (AEC), Respective HoD and a Feedback Committee appointed by Principal are involved in collecting the feedback from the students of the respective class/section. 2 Course End Survey: It is obtained for each course by the department and the analysis of this is to be used as a part of indirect feedback in computations of CO PO attainments. This indirect feedback (20) shall be combined with direct feedback and the analysis are useful in restructuring the contents of the syllabus if required. 3 Program Exit Survey:

Program exit feedback is collected from the outgoing students of the institute. The feedback on Curriculum, Program Outcomes, Program Specific Outcomes, Training Placement, Career Development, Co curricular activities and Extra Curricular activates, Infrastructure and Common facilities is collected. The process of collecting feedback shall be carried out through the learning portal of the institute. The respective departments are shared with this PES feedback and are directed to prepare action plan for compliances reported if any. Teachers Feedback The respective HoD exercises after collecting the feedback from the faculty in all aspects and the recommendations shall be presented in the BoS meeting while developing the curriculum and course content. Alumni Feedback: An Alumni meet is conducted by the institute on 25th December of every calendar year. The feedback from Alumni is collected on various parameters. The analysis of this feedback shall be used in the Academic and Administrative matters of the respective departments Employer Feedback: Employer survey is taken from the employer annually through a structured questionnaire by the Director-CDC. The Employer considers various evaluation parameters like subject knowledge, attitude, motivation, creativity, presentation skills and ability to get along with others etc. The analysis of this feedback helps Institute in introducing various skill development training programs for the next batch of outgoing students. This helps in improving overall employability and career growth of the students. Parents' Feedback: The feedback from the parents helps the Institute in reorienting the administrative policies, accommodation, general ambiance, suitability of the courses for career growth of their ward. The feedback report from the parents is consolidated and necessary action will be taken by the Institute.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Engineering / Technology	1080	Nill	1029
MBA	MBA	120	Nill	120
MCA	MCA	60	Nill	49
Mtech	Mtech	176	Nill	98
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	4185	564	217	57	230

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using	ICT Tools and resources	Number of ICT enabled	Numberof smart classrooms	E-resources and techniques used

	ICT (LMS, e-Resources)	available	Classrooms		
283	283	1	84	4	1

<div align="center">View File of ICT Tools and resources</div>

<div align="center">View File of E-resources and techniques used</div>

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

A Well-defined mechanism for Students Mentoring System is available in the Institution. As part of this, each department Head Allocates a set of students to each faculty member of the department. For this purpose a faculty coordinator is identified to monitor this mechanism. In the beginning of each academic year, a set of newly admitted students will be allocated to each faculty member, which will be continued till the end of the program. As part of this mechanism, a booklet with the title "Student Progress Report" is printed and the same will be given to each student. The faculty member who acts as a mentor will convene a meeting in each semester and mentor the allocated students, which ensure that each student will be on the right path. The students also get benefitted with the guidance of a mentor which helps students in excelling in their academics and in taking the right decision for the future endeavors.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4749	283	1:17

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
290	301	Nill	39	134

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
No Data Entered/Not Applicable !!!			
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
No Data Entered/Not Applicable !!!				
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
50	8904	0.56

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://www.cbit.ac.in/academic

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
No Data Entered/Not Applicable !!!					
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://docs.google.com/document/d/1piDI9-ljFp_Ou4jbMwwQlSGFFbER7ouU08IUU1s_HKo/edit?usp=sharing

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
Nill
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Dr. Y Rajasri	UGC Travel grant	10/10/2019	UGC
International	Dr. Y Rajasri	SERB Travel grant	22/10/2019	DST-SERB
International	Dr. M Balasubba Reddy	Award for Excellence in Research	08/03/2020	EET CRS 8th Academic Brilliance, Awards-20
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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding	Total grant	Amount received

		agency	sanctioned	during the year
Major Projects	1095	AICTE (RPS)	11	10.83
Minor Projects	730	AICTE (MODROB)	11	8.8
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0.03

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Innovative Manufacturing Practices Learning Mission to NatcoPharma Limited Zen Technologies	Career Development Cell (CDC) with CII	21/08/2019
Investments Collaborations for Start-ups	CBIT RE Hub with CII	18/09/2019
Artificial Intelligence	NASSCOM / MUST (BRAINS) - CBIT RE Hub	28/09/2019
Seminar on Artificial Intelligence and Blockchain for Efficient Public Service Deliver	RE Hub with Ananta Centre	19/11/2019
Discussion on Emerging Technologies in IT Product Development. Hackerspace.	Career Development Cell (CDC) Placement Season Examly	26/11/2019
Talk on Research and Innovations	CBIT RE Hub with RMIT University and University of Melbourne	23/12/2019
Centre of Excellence (CoE) - Cyber Security	CBIT RE Hub with Kernel Sphere Technologies IoT	23/01/2020
Amazon ACMS Workshop	CBIT RE Hub with Amazon	24/01/2020
Microsoft AI Gaming Platform.	CBIT RE Hub with Microsoft	30/01/2020
Orientation Workshop on Incubation	CBIT RE Hub with MSME	30/01/2020
An Orientation Programme on Cyber Security	CBIT RE Hub with DigintrudeInfosec P Ltd	30/01/2020
Artificial Intelligence and Robotics used in todays technology and where Artificial	CBIT RE Hub with Swinburne University of Technology, Australia	04/02/2020

Intelligence will head in future		
Opportunity in the Dept of atomic Energy	CBIT RE Hub with Department of Atomic Energy (DAE)	13/02/2020
Social Enterprises for funded Services Entrepreneurs.	CBIT RE Hub with Livelihoods Consulting I Ltd (ALC)	14/02/2020
Hackathon	CBIT RE Hub with CBIT Open Source Community	20/02/2020
Startup Connect, Discover Learn	CBIT Career Development Cell (CDC) with CII	25/02/2020
1. To form the subgroup for AI based Transformer Monitoring Project 2. To discuss requirements of the AI based Transformer Monitoring Project 3.To discuss various process of execution of the project	CBIT Career Development Cell (CDC) with Kernelsphere(IoT)	04/03/2020
F-Tech Program	CBIT Career Development Cell (CDC) with TASK	05/03/2020
Telangana Annual Meeting	CBIT Career Development Cell (CDC) with CII	06/03/2020
Objective of the meeting: a. To form the subgroup for AI based Transformer Monitoring Project b. To discuss requirements of the AI based Transformer Monitoring Project c. To discuss various process of execution of the project	CBIT Career Development Cell (CDC) with Kernelsphere(IoT)	04/03/2020
Champions Talk	CBIT Career Development Cell (CDC) with Innopark ventures	11/03/2020
Kernelsphere (IoT) Meeting. Objective of the meeting:1) IoTJourney for CBIT 2) Smart campus Establishment timelines 3) IoTLora Boot C	CBIT Career Development Cell (CDC) with Kernelsphere(IoT)	06/04/2020
Vehicle Tracking System: Objectives: 1) To give introduction about Vehicle Tracking System 2) To create awareness about how the project should go. 3) To share the responsibilities	CBIT Career Development Cell (CDC) with KernelSphere(IoT)	19/04/2020

among the faculty and students.			
II Meeting of GPS Tracking Project: Objective of the meeting: 1) To discuss the Objectives and assigned tasks of the GPS Tracking Project 2) To discuss the Roles of each department Activities under the Project 3) To identify the technical Specific	CBIT Career Development Cell (CDC) with KernelSphere(IoT)	22/04/2020	
Webinar Highlights: Project Character Business Case Development Stakeholders Sponsorship Resource on boarding Effective status reporting Derailments and Escalation Risk assessment Project closure And much more.	CBIT Career Development Cell (CDC) with Innopark Ventures	02/05/2020	

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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
No Data Entered/Not Applicable !!!				
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Innovation Labs	IT - IoT Lab and BDA Lab	Chaitanya Bharathi Institute of Technology, Hyderabad	AI based Transformer Monitoring System	Incubation Unit	01/01/2019
Innovation Centre	Robotics Process Automation Lab	Chaitanya Bharathi Institute of Technology, Hyderabad	CBIT - Kernel Sphere IoTCenter - GPS Tracking	Incubation Unit	01/01/2019
Design Centre (Student Clubs)	Automotive Design and Fabrication Center	Chaitanya Bharathi Institute of Technology, Hyderabad	CBIT - MSME Incubation Center- IMRC	Incubation Unit	01/01/2020
Incubation Unit(3D Printing Prototype Equipment)	Artificial Heart Innova tionCenter	Chaitanya Bharathi Institute of Technology, Hyderabad	Nill	Nill	Nill

Incubation Unit	CBIT - Cyber Security Center of Excellence	Chaitanya Bharathi Institute of Technology, Hyderabad	Nill	Nill	Nill
EDC (Student Clubs)	CBIT – Entrepreneurship Development Cell	Chaitanya Bharathi Institute of Technology, Hyderabad	Nill	Nill	Nill
Innovation Labs	CBIT - Zoom Technologies - AI ML and Cyber Security	Chaitanya Bharathi Institute of Technology, Hyderabad	Nill	Nill	Nill
Pre-Incubation	CBIT-Hexagon and 3D innovations Lab	Hexagon Capability Center Pvt Ltd	Nill	Nill	Nill
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Biotechnology	1
Chemical Engineering	2
Civil Engineering	2
Electronics and Communication Engineering	1
Department of MCA	1

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
No Data Entered/Not Applicable !!!			
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
No Data Entered/Not Applicable !!!	
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
MP-Detection: Medical Problems Detection Using	Published	201911050942	10/12/2019

Machine Learning Techniques			
Antiviral personal protective equipment	Filed	202041019452	Nill
A Model for Event Time Extraction And Its Application to Temporal Question Answering System	Published	202041035785 A	18/09/2020
An IOT Based Novel Framework For Monitoring Behaviour of Autism Affected Persons	Published	202041031963 A	21/08/2020
A System and Method of Biometric Identification Based on Distributed Internet of Things Lock and Unlock	Published	201941028900 A	09/08/2019
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	88	193	56	79
Presented papers	91	15	2	Nill
Resource persons	Nill	9	9	4
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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Dr. G Chandra Mohan Reddy and Dr. P V R Ravindra Reddy	Optimization of Process parameters for Additive Manufacturing of Defence Components	CARS, DRDO, Hyderabad	500000
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
--	--	--	Nill	Nill
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3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
COVID-19 awareness posts	-	Nill	20
Women's Day celebrations for staff	-	5	20
Mock fire drill	Fire agency	2	40
Book donation drive	-	3	20
Orphanage Visit	Helping hands Orphanage, Motinagar, Borabanda, Hyderabad	5	35
Blood donation camp	NTR Blood bank	Nill	37
Health camp for staff	Vijaya diagnostic centre	5	45
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Smart India Hackathon-2020	Winner (Rs 1,00,000/-)	Jaipur Zone(online)	6
Smart India Hackathon - 2019	Winner (Rs 1,00,000/-)	NIT-Surathkal	6

Smart India Hackathon - 2019	Winner (Rs 75,000/-)	Kochi	3
Smart India Hackathon - 2019	Winner (Rs 75,000/	Noida	7
Smart India Hackathon - 2019	Winner (Rs 50,000/-)	Oriental University, Indore	6
Smart India Hackathon - 2019	Winner	Guwahati	8
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Clean India Mission	Government School, Kanapur, Gandipet, Hyderabad	Swachhtha Pakhwada	5	35
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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
ME Student Project	Ch N SaiRavali, JNTU Kakinada	Not applicable	2019
ME Student Project	YugandharRao, JNTU Vijayanagaram	Not applicable	2019
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
No Data Entered/Not Applicable !!!			
[View File](#)			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
5684.55	16.82

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
No Data Entered/Not Applicable !!!	

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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
NewGenLib	Fully	3.2	2000

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1885	48	1885	5	4	4	15	500	0
Added	320	6	320	0	1	0	0	560	0
Total	2205	54	2205	5	5	4	15	1060	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

1060 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility

| Moodle (Learning management system where the content and video lectures are provided to our students Video lectures are also being shared via Google drive, O/365 and AWS S3-Galcier) | https://learning.cbit.org.in/ |

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
192.95	92.65	1559.47	943.56

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

Measures for Cyber Security: There are around 2300 Desktops and Laptops. All are connected to internet through LAN connectivity. Students and faculty can access internet using the desktops/laptops and mobiles. We have also four dedicated servers for the academic and examinations services. All these machines are secured and protected by the following security measures 1. Quick heal total security Antivirus software installed in end-user devices 2. Cisco Meraki MX-100 firewall with anti spam and content filtering 3. Nginx-based revers Proxy server for protecting the machines from public access 4. pfSense for authentication, monitoring and controlling the WiFi network 5. System admin monitors and takes the necessary precautions Library Information Centre: The library is often considered a hub of thoughts / Knowledge. The diverse collection in any library shapes of mind-set and opinions of the students. A healthy library is always a major source to enhance the knowledge of an individual and also facilitates change in society. CBIT has established a good Library Information Centre with a generous collection of literature and resources in the field of Science, Technology, Engineering, and Management disciplines with well-defined rules, procedures, and policies for the purchasing, maintaining, and utilizing the Library Information center resources and facilities for the effective utilization by the staff and students of the Institute. Information about Library Resources, Procedures, Rules and other user's related information will be displayed on the Library website (http://202.65.141.232/library/) Library Resource Purchase Policies and Procedures: The Faculty and Students can recommend the required Books and Journals through the Head of the Department for purchase and subscribe to the Central Library. The Library Staff would then check with the library database for duplication, availability, utilization and then finalize the list of recommended books and Journals and obtains financial sanction through Institute Development and Purchase committee for their acquisition and subscription as per the Institute rules. Received Books processed as per the Library standard procedures i.e. accessioning, stamping, classification, cataloguing, etc. Books are arranged department-wise in the racks as per the Dewey Decimal Classification (DDC). Received Journals are registered in the Journal-Register and all the current journals are displayed in the Journal display rack in the Reference section and e.resources access links will displayed on notice board and website for easy access. As per the circulation policy, each student is eligible to borrow 4 books for 14 days, Professors can borrow 08 books, Associate and Assistant Professors can borrow 06 books, and Non-Teaching staff is eligible to borrow 2 books for 30 days. The department of Physical Education started functioning from the inception of the institute for all-round development of the students. Sports and games play a vital role in bringing

closer the people of various walks of life and nations even. There is an ample evidence to suggest that physical activity has a positive impact on cognitive skills leading to improved academic performance through enhanced concentration and attention as well as improved class room behavior. There is correlation exists between physical education and academic excellence.

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	PG Merit scholarship	72	1620000
Financial Support from Other Sources			
a) National	Fee Reimbursement	1921	196958400
b)International	Nill	Nill	Nill
No file uploaded.			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Competitive Examinations	14	14	14	14
2019	Career Development Centre	11	35	9	25
No file uploaded.					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
No Data Entered/Not Applicable !!!		

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
No Data Entered/Not Applicable !!!					
View File					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					
View File					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	**1**
GATE	**15**
GMAT	**1**
CAT	**2**
GRE	**9**
TOFEL	**4**
Any Other	**13**
No file uploaded.	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
View File		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
View File						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

A Student's union is in place in the institute right from its inception. The institute has a special practice of nominating the meritorious students of each class / section as class representatives and thereby making the topper of the institute (up to VI Semester) in the final year as president, next meritorious in the final year as vice-president topper in the IV semester as the General secretary, next meritorious as joint secretary and so on. These members of

Students union will be given opportunity to interact with Director of SA P frequently to represent their issues concerns. They will be made a part of the discussing teams during all important academic / administrative reforms and given opportunity to express their views to the administration and management authorities. Most recent example is to decide about the examinations policy during the ensuing pandemic situation. Besides these, there is a grievance cell for students in the campus for which the president of students union is a member. Student representatives will also be involved in the anti-ragging committees.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Institution organizes alumni meet at least once every year. The annual gathering usually has alumni from all the departments and share their professional experience and whereabouts. Expert talks and guest lectures are organized and the alumni associates contributes to the college in terms of ideas and as resource persons for various sessions.

5.4.2 – No. of registered Alumni:

5000

5.4.3 – Alumni contribution during the year (in Rupees) :

480000

5.4.4 – Meetings/activities organized by Alumni Association :

The Alumni meeting was organized on 25.12.2019 in the CBIT campus and the points viz., Organizing Annual Alumni Meet, every year on 25th December, Sponsoring to seminars, workshops, conferences, etc., Mentoring students, Providing internships and placements to CBIT students, Supporting meritorious and economically needy students, Delivering expert talks and guest lectures, Contributing significantly in Curriculum Design and Development as BoS members, Exclusive Alumni Chapter in USA, Maintaining Alumni website etc., have been discussed

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The management ensures decentralization by creating Directors to help the Head of the institution in planning and execution of various procedural activities. Decentralization leads to facilitate quick decision making related to academic and administrative activities at all levels. It involves the members of the faculty and administration at different levels to bring in participation responsibilities with accountability and ownership. Decentralization also ensures transparency in the administrative activities. The faculty members who have been delegated the power to take administrative decisions is as follows: 1. Prof. N. V. Koteswara Rao , Director, IQAC 2. Prof. P. Suresh, Director ,AEC and CoE 3. Prof. K. Krishna Veni , Director, Academics 4. Prof. A. D. Sarma , Director, R and D 5. Prof. Umakanta Choudhury, Director, Incubation and Innovation 6. Prof. P. Sreenivasa Sarma, Director, SA and P 7. Dr. N. L. N. Reddy, Director, CDC 8. Prof. P. V. Prasad, Controller of Examinations 9. Smt. B. Anne Violet ,Head, Human Resources 10. Sri K. R. K. Prasad ,Executive Engineer

6.1.2 – Does the institution have a Management Information System (MIS)?
Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	BE/B.Tech Admission Process ? Category-A (Convener quota): 70 of the seats ? TSEAMCET(State wide Entrance Examination for Engineering and Agriculture) ranks ? Category-B (Management quota): 30 of the seats a)8 of the seats for NRI - Merit in qualifying exam marks b) 22 of the seats for IIT JEE Mains ranks/ EAMCET Ranks/ qualifying exam marks ME/M.Tech Admission Process ? Category-A (Convener quota): 70 of the seats ? GATE/ PGECET Ranks ? Category-B (Management quota): 30 of the seats ? GATE/ PGECET/ qualifying exam marks MBA/MCA Admission Process ? Category-A (Convener quota): 70 of the seats ? TSICET Ranks ? Category-B (Management quota): 30 of the seats ? TSICET / qualifying exam marks
Industry Interaction / Collaboration	CBIT Entered Collaborations with the following organisations CII, T-HUB ,DSCI, FABA KERNELSPHERE, MSME ,RICH, RPA , DIGINTRUDE,ATLAS GRADVINE. CII Organized 118 Seminars, Webinars on various industry specific themes and Industrial visits in 2019-20 benefitting 185 faculty and 400 students. CBIT is recognized MSME Incubation Centre. Twenty six Ideas Under MSME My MSME Incubation Scheme and Five Ideas for New India Challenge 2020 Scheme were submitted.RPA Lab is established in Collaboration with AAU to train Faculty and students on RPA. Transformer Tracking using Artificial Intelligence, IOT Based GPS projects were developed in collaboration with Kernel sphere. Collaborated with DSCI, Dig intrude to harness Cyber security, Privacy initiatives in building Cyber security Eco-System in the campus.Innopark Ventures supports Technically, Financially student Ideas through Master Classes, Pitching and Mentoring Sessions to support Entrepreneurship activities. Collaborated with FABA (Federation of Asian Biotech Association) in conducting 51 Activities by resource

	persons from Industry Research organizations on emerging trends in Life sciences. Collaborated with RICH T-Hub in building Innovation, Entrepreneurship culture in the campus. Collaborated with ATLAS, GRADVINE in guiding and counselling the students on higher education abroad. In 2019-20, 135 Industry Interaction Activities were conducted. The key objective of these Interactions is to make students faculty to understand about the Industry 4.0 technologies, Skill Knowledge needed to improve students placements. Campus recruiting companies conducted leadership talks, hackathons to develop coding competencies.
Human Resource Management	HRM is not only crucial to an organization's success, but we are part of the overall Institute's strategic plan. We ensure the Institute's values and mission is prioritized and is linked to our growth plans and strategies. At CBIT we have an elaborate and systematic plan of action developed by a human resource department. Our strategic plans may include long-term goals, while the HR plan may include short-term objectives that are tied to the overall strategic plan. We as an Institute understand that the human side of the organization is the most important asset and therefore HR has much more importance in our institute. At CBIT Human Resources is no longer merely a functional area, HR became more of a partnership within the organization. Our basic functions include Staffing, Workplace policies, Compensation and benefits, Retention, Performance Appraisal System, Training and development, Regulatory issues, etc.
Library, ICT and Physical Infrastructure / Instrumentation	Computerisation of the CBIT- Library Information Centre for the Improvement of Quality of Library Services Library Housekeeping operations are automated with New GenLib: an Integrated Library Automation Software. Library Database is created and made available to access with online public access catalogue through campus network. Library Users can access and search through online public access catalogue to know the availability and status of the resource. Barcode technology introduced in the library circulation system to

	avoid human input errors. Library Circulation system performs daily operations through automated system. All the necessary precautions are taking for the safeguard the library database (updating, backup etc.) Institute Library Information is subscribing online e-books and e-journal databases as per the requirement of the institute AICTE and also providing IP based access and these journals can be accessed from any computer connected in the campus LAN. It has an exclusive Server with Content Management Software for e-learning. This facility enables the staff and students to access e-learning resources such as NPTEL Lectures, MIT Lectures etc. For the effective utilisation of resources, it will conduct / arranged a Information Literacy training programs to the staff and students based on the assessment level of skill of the users. Depending on the need every year 3-4 programs will arranged for the users. CBIT Library Information centre is part of e-ShodhSindhu: Consortium for Higher Education Electronic Resources.
Research and Development	Research and Development (RD) cell mainly focuses on enhancing the research activities and cultivate a pleasant atmosphere. Independent space is provided to each department to encourage both individual and collaborative research for the execution of both sponsored/consultancy projects. In addition, individual departments are encouraged to setup 'Centres of Excellence'. Adjunct faculty of repute will be co-opted to speed up the publications, Innovations and maintain quality. The sanctioned research projects are continuously monitored by committees consisting of RE directors. Anti-plagiarism software is made mandatory for publications. Guest lectures are arranged to expose students and teachers to latest technologies and developments.
Examination and Evaluation	Departmental Advisory Committee works for continuous quality improvement, promotes accountability, enforces processes and procedures toensurequalityeducationand improvement of student learning. ? Semester End Examination (SEE) There shall be a Semester End Examination (SEE) at the

	end of each semester for three hour duration for each course. All the units of syllabus are given equal importance mapped to each CO. According to level of learning, the questions are prepared to assess attainment levels of COs. The Question papers are set according to Bloom's Taxonomy to meet the CO and PO. The answer scripts are evaluated by both the internal and external evaluators to assess the overall knowledge attainment. ? Continuous Internal Evaluation (Internal Semester Question papers, Assignments and Slip Tests) Various initiatives have been taken at the department level in order to improve the quality of the question paper. Questions are set in alignment with Blooms' Taxonomy Levels (BTL), Course Outcomes. Two class test (CT-I CT-II) are conducted in each semester after seven weeks of teaching. For each course of the program, the Continuous Internal Evaluation is conducted to assess the student's knowledge and their understand ability. Mid papers are set to address the COs. Thetypeofqu estionsgenerallyaskedinthemidquestionpa perandassignmentsarebasedonthe requirements of the bloom's taxonomy levels. Mid paper includes Conceptual questions, Problem solving and numerical questions and Logical/Analytical questions. Two assignments are prepared to assess higher order Bloom's Taxonomy levels. Two slip tests are conducted in MCQs pattern. Two mid papers, two assignments and two slip tests uniformly cover the course contents. As per the UGC norms and after due consideration of the recommendations of the departmental committees and Stakeholders, the respective Boards of Studies of different departments have been developing new curricular models and updating the syllabi.
Teaching and Learning	There is always a need for periodic assessment and evaluation to ensure that all the programs are accomplishing the defined objectives. This assessment and evaluation leads to continuous quality improvement of the programs being monitored by Program Assessment and Quality Improvement committees (PAQICs). To strengthen the teaching-learning process, following procedure is being implemented: 1. Adherence to

Almanac and Academic Calendar Departments prepare action plan in alignment with the Institute almanac and academic calendar prior to the commencement of the semester. Action plan includes major routine tasks for timely execution of the teaching/learning and other academic activities such as preparation of time tables formation of different committees like: Common Course Committee, Multiple Courses Committee, Overall Monitoring Committee Conduct and implementation of Slip-tests, assignments Periodical student feedback, Periodical Project presentation etc. for smooth execution of Teaching Learning process. Course material and lab manuals for all the courses are prepared by respective faculty and circulated to the students. Students are provided with curriculum and schemes well before the commencement of the semester. The faculty are following the Outcome based Education (OBE). The faculty of every department adopts various innovative Teaching Learning methodologies to create the better learning environment. Industrial visits are conducted to reduce the gap between industry and institute. Workshops are organized to help the students to understand concepts beyond curriculum 2. Pedagogical Initiatives - Content Delivery (method of instruction) Faculty use various pedagogical methods for effective teaching learning process. • Citing real world examples for application-based courses. • Power Point Presentation PPTs • Access to study material in ERP • Digital texts enable real time learning, monitoring, comprehension and online assessment • LMS (Moodle) for Quiz, Assignment, Notes, etc. • ERP for attendance, feedback, etc. • Case studies • Project based Learning • Workshops • Expert talks-Department regularly arranges webinars/seminars through professional societies. • Group discussions/tasks • Collaborative / Cooperative teaching/ learning:Students share knowledge or discuss topics in small group or in peer mode. • SWAYAM: The faculty members are using E-sources from SWAYAM courses for effectiveteaching. The same also provided to the students in order

	to develop self-learning and life-long learning skills. • Assignments based problem solving: Assignments are given to students on problems and they solved by themselves. Assignments are set to address the higher order Blooms Taxonomy levels. • Laboratory demonstration: Demonstration about lab experiments is done before conducting of lab experiments. Students are made exposed to usage of modern tools where ever it is necessary. • Group discussion/ presentation: Students learn through group discussion or asked to deliver short presentation on a topic. 3. Methodologies to support weak students and encourage bright Students Faculty members identify the list of slow and fast learners of their respective courses based on CIE performance of the students. Student identification of slow learners, fast learners and extra care taken for them are presented below. Extra care taken for slow learners ? Identify the courses in which student is week ? Conduction of remedial classes ? Extra counselling to motivate students and guide students for better preparation ? Mentors are facilitated to understand personal and professional difficulties of students. Motivation to the bright students ? They are encouraged to finding the solution of complex problem/innovative projects. ? Special guidance to publish papers and carried out innovative projects. ? Students motivated to take up additional advanced level MOOCs courses. ? Students are encouraged to take up competitive exams. ? Bright students are encouraged to take up mini projects and case studies etc
Curriculum Development	Chaitanya Bharathi Institute of Technology is established with affiliation to Osmania University. The institute has conferred UGC Autonomous status from the academic year 2013-14 and drafted 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. As per the R-18 scheme, students have provision to acquire Honors /Additional Minor Engineering degree by earning 20 credits additionally through MOOCs. The Program curriculum is structured in such a way that it suits the current technologies, industry needs, requirements for continuing higher education, research and also helps the students in securing employment in different organizations. The syllabi for the courses are designed based on the principles of outcome-based education (OBE) and with a prime objective of attaining POs and PSOs.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Planning and Development	We at CBIT believe E- Governance is good governance. Our E-governance is characterized by participation, transparency and accountability. We ensure e-governance is used for the planning, implementation, and monitoring of Institute programs, projects, and activities. We see that this helps in deliver cost - effective and easy - to - access services, and improve processing of various information between the employees and the Institute and the between the government and other agencies. Our major functions on E-governance include management of processes such as registration, admission, student information, classes, time table, transport, attendance, library, salary and expenses, examinations, performance, grades, hostels, security and reports, employee database, innovative teaching tools etc. Our system also enables various stakeholders to control the improved operational efficiency in various key processes like grants, utilization certificates, approval processes, feedback mechanism etc. Our overall education system at CBIT is enhanced while we ensure to focus on (i) Long term impact on Institute goals (ii) Improve education system (iii) Empower Staff, students encouragement of their participation in governance.
Administration	Our system at CBIT encourages cost-effective technology combined with the flexibility in learning and

		administrative activities are essential to enhance efficiency. Technology is extensively used at our administration. (i) General Administration (ii) Pay Roll and Financial (iii) Accounting (iv) Administration of Student Data (v) Inventory Management (vi) Personnel Records Maintenance (vii) Library System (viii) Assessment Practices (ix) collaboration and networking practices (x) Professional development of our teaching and non-teaching staff We tap in the digital medium to showcase the institute's information through college website and also use social media to engage with the student and other stake holders. The constant support from the Top Management, functional autonomy, adequate training and motivation for the staff and students, budgetary support and infrastructural facilities are some of the important factors in determining success of including e-governance in our Institute.
	Finance and Accounts	The Finance Accounts department of the institute is partially E- governed with an aim to digitalise minimize manual intervention in maintaining books of accounts student fee ledgers. The college uses the Student Master for maintaining student fee ledgers Tally ERP 9.0 for maintaining Books of accounts for transparency in the functioning of Accounts department. The same software is used to generate various reports like Consolidated Day Book, cash Books, Journal Register in tally while the student master generates student wise daily fee Collection report for Tuition fee, Transport fee, Hostel Fee, Examinations fees Miscellaneous Fees respectively.
	Student Admission and Support	A separate web portal is made available for the enthusiastic candidate willing to get admitted into CBIT through B-Category. The web page contains all information about the admissions. The Notification for the admission of the candidates through B-Category will be posted in the said website. Candidates can apply online and shortlisted as per merit will be displayed on the same website.
	Examination	Bees Examination Tool Software: The examination branch has Bees Examination Tool software to integrate all the activities of exam cell. The pre and

	post examination activities are integrated through this software tool. Payment gateway is also available for the payment of exam fees online by the students to make the registrations online for various services. The BET is enabling the student to download the hall tickets and results online through the student info system.PC, CMM, Bonafide certificate, Custodian and Course completion certificates are also generated using the software.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
[View File](#)				

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
No Data Entered/Not Applicable !!!						
[View File](#)						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				
[View File](#)				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
18	**21**	**Nill**	**10**

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
? Medical Insurance policy ? Maternity	**? Medical Insurance policy ? Gratuity ? ESI ?**	**1. Yoga sessions 2. Psychological counselling**

benefits as per policy ? Gratuity ? ESI ? EPF ? Employees welfare fund ? Sponsorships on FDPs and other training programs The following facilities are also provided to employees for efficient functioning: 1. Medical leave 2. Yoga sessions 3. Psychological counselling 4. 24 hour power back-up 5. Wi-Fi facility. 6. Workspace 7. Computing facility 8. Cafeterias in campus 9. Identity cards 10. Sports facilities 11. Transport facilities 12.Health Centre with Ambulance and tie up with Corporate Hospital in emergency

EPF ? Employees welfare fund ? Sponsorships on FDPs and other training programs . The following facilities are also provided to employees for efficient functioning: 1. Medical leave 2. Yoga sessions 3. Psychological counselling 4. 24 hour power back-up 5. Wi-Fi facility. 6. Workspace 7. Computing facility 8. Cafeterias in campus 9. Identity cards 10. Sports facilities 11. Transport facilities 12. Health Centre with Ambulance and tie up with Corporate Hospital in emergency

3. 24 hour power back-up 4. Wi-Fi facility. 5. Workspace 6. Computing facility 7. Cafeterias in campus 8. Identity cards 9. Sports facilities 10. Transport facilities 11. Sponsorships on FDPs and other training programs 12. Annual Prize Distribution (Culture /Sports) 13. Anti-ragging Cell 14. Central Placement Cell 15. Soft Skills Programme 16. Career Guidance Scheme. 17. Students Safety -Health Centre with Ambulance and tie up with Corporate Hospital in emergency.

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The institute has both internal external auditors. The internal auditor their staff visits campus quarterly and conducts a through verification of books of accounts, Student ledgers, Purchase proceedings, pay bills internal controls in place and give a report on the functionality of same. While the external auditor their staff visits the college after the end of financial year and they conduct a sample verification(after consulting internal auditor) of books of accounts, Purchase proceedings, pay bills a through verification of statutory obligation of college such as TDS, ESI, EPF Professional Tax. The external auditor also verifies the financial statements and gives audit report, file Income tax audit reports 3CD, 3CB with IT department.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
M Santosh Reddy	168517	to provide scholarship to students
No file uploaded.		

6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	External Experts , HYM International	Yes	IQAC

		Private Limited		
Administrative	Yes	HYM International Private Limited	Yes	ISO Certified 9001:2015

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Interactions of faculty with parents by the respective class teachers and mentors during parent-teacher meetings of different departments come up with new suggestions related to the overall development of the students. A Student Progression report is maintained in record of Student's progression and the mentoring activity conducted by the mentors to support their progression. Mentors' guidance, experience and expertise in promoting their mentees professionally and personally, through interpersonal engagement.They will have harmony among various stakeholders (Students, Teachers, Parents, Alumni, Principal, and Management etc.) 1 Mentors Ensure holistic well being of Mentee by sticking to the following 2 Continuously monitor, counsel, guide and motivate the students in all academic matters. 3 Advise students regarding choice of electives, project, summer training, MOOCs, Honours degree, etc. 4 Contact parents / guardians if situation arise e.g. shortage of attendance, academic irregularities, inappropriate behavioural changes and interpersonal relations, detrimental activities etc. (in co-ordination with the class teachers). 5 Advise students in their career development/professional guidance. 6 Keep contact with the students even after their graduation. 7 Intimate HOD and suggest if any administrative action is called for. 8 Maintain a detailed progressive record of the student. 9 Maintain a brief but clear record of all discussions with students.

6.5.3 – Development programmes for support staff (at least three)

1 Encouraged the Support staff to undergo the ATAL programmes 2 Attended NPTEL lectures 3 Attended Coursera courses 4 Attended NITTTR lab manual preparation course

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Filling of Vacant Teaching and non-teaching posts on regular basis. 2. Introducing of ICT is teaching-learning process: The institution has taken sincere steps to encourage the use of ICT in teaching learning process such as use of Learning Management System MOODLE. All the faculty have used computer-aided methods of teaching in the academic year 2019-2020. 3. Student feedback system should be strengthened: Online Student Feedback System has been implemented in the academic year 2019-2020 and the report has been analysed and appropriate corrective actions are proposed by the respective departments. 4. Faculty are encouraged to organize and participate in workshops/seminars/FDPs/STTPs/online trainings. In the academic year 2019-2020, faculty members have participated and successfully completed 1087 faculty development programmes such as orientation programmes, refresher courses, short term courses, workshops etc. 5. Planning to organise International Conferences 6. Starting of new UG program in the emerging areas

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2020	One Week Online Faculty Development Program on "Outcome Based Education"	28/05/2020	28/05/2020	01/06/2020	275
		No file uploaded.			

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Gender sensitization classes for 6th and 8th semester students	02/12/2019	28/12/2020	75	100

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
1. Rain Water Harvesting A study had been carried out by the faculty of Civil Engineering department and the undergraduate students in the year of 2015 to implement Rain Water Harvesting structures (RWH) in CBIT campus. A report was prepared that the 191.5 KLD rain water can be collected from the rooftops of the building during the months June to November where as the institute requirement is 225 KLD excluding gardening. Considering this amount of groundwater recharge for 6 months in a year, there will be a rise of water table by about 17 cm in a year. Besides water harvesting, it will have an effect on pumping head and it reduces the consumption of electrical energy. Most water harvesting structures are being planned near abandoned bore well points of the institute. All overhead tanks should be fitted with floats, sensors and other mechanisms to shut the water supply and avoid overflow. Also taps should be provided with water aerators to minimize wastage of water. 2. Waste Management Adequate three bin systems which aide in segregation is to be provided across the campus to control the littering of the waste material. This segregated dry waste can be handed over to TSPCB approved vendor for recycling. Separate Waste management yard is located in Gandipet village to which all the organic waste of the Institute can be sent for composting. It is suggested to build a self sustaining bio gas plant in the campus to convert the food waste into gas for cooking purpose in canteen/boys hostel. All garden waste can be composted and converted into manure which can be used to maintain the gardens in the campus. 3. Energy Conservation All electrical appliances of the 11 academic buildings and hostels may be connected through roof top solar panels. The existing academic buildings and hostels are to be converted into energy efficient appliances (LED lights, etc.,) in a phased manner. 4. Sewage Disposal System A plant based STP of 200 KLD capacity is proposed to treat the waste

water generated in the Campus. Treated water can be used for the landscape area and for flushing purpose. This is a natural biological approach and is highly effective and simple to operate systems to treat water to a quality which is safe for environmental disposal or reuse and is carbon neutral. It is based on no electricity, no regular chemical based treatment techniques. SUGGESTED ACTION PLAN TO BECOME SUSTAINABLE CAMPUS S.No. Item Description Quantity/ Action to be taken Time frame 1 3-bin system for Recycling 11 Immediately 2 Rainwater Harvesting Pits To be estimated June, 2020 3 LED lights In all possible places Phased manner by June, 2020 4 Water aerators to taps In all washrooms and labs Immediately 5 Dry waste (Plastic, Glass, Paper) Send to TSPCB approved vendor After buying three bin systems 6 Sensors to avoid overflow in water tanks In all the overhead water tanks Immediately

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	33
Provision for lift	Yes	33
Ramp/Rails	Yes	33

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	Nill	Nill	Nill	Nill	Nill	Nill	Nill

View File

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Code of Conduct for Students	15/07/2019	Code of conduct is usually made available to all the students during the student Induction Program (SIP) conducted every year before the beginning of the class work for fresher's (1st year). A lecture explaining the various contents of this hand book along with the implications and intent of various classes is arranged for all the fresher's as a part of SIP. Student can access the soft copy of the hand book in the college website.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			
View File			

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1 Swachhata Pakhwada-2020 2. Plantation of Saplings (with high CO2 absorption rate) 3. Development and presentation of Innovative Technologies for Waste Recycling Energy Conservation etc. 4. Competitions regarding Swachhta – speech, poster making, slogan writing 5. Quiz Competition: 6. Competitions regarding Water Conservation 7. Talk show on Swachhata 8. Competitions regarding Forest Conservation 9. Cleanliness drive in hostels 10. Competition 'Best out of waste' 11. Organisation of special drive on water conservation 12. Village Activities 13. CHAITANYA PARIVRITA

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

(i) Infra Structure –IT services enabled: There is an increased usage of ICT based Teaching and Learning through various tools including our own designed and customized open source Learning Management System(Moodle). Course material and faculty video lectures are made available in the LMS, which can also be accessed/browsed through the CBIT library page. CBIT has procured 100 user accounts Webex Academic bundle with maximum capacity of 1000 participants in each of the account. Institute had also purchased ERP evaluation software to conduct the digital evaluation. (ii) Uploading of Class room Video lectures and e-Content on to the Portal: E-Content Upload and Access Method: CBIT created an exclusive LMS portal to upload the E-content i.e. recorded video lectures for easy access by the registered users. Each faculty member uploads their recorded video lecture in the LMS portal with a Specific Filename for easy identification which contains the Academic year, Program, Semester, Department Name, Subject Code, Subject Name, Faculty Name, Date, Lecture No, and topic name. (iii) Digital Evaluation: Examinations will be conducted in offline mode and the answer scripts will be cut and converted to digital format through the scanner. Using BEES EXAMINATION TOOL PLUS (BET Plus) software digital valuation can be carried out. This software mainly focus on Blooms's Taxonomy and Outcome Based Results. The E-Valuation process integrated for the Program outcome keeps the valuator at the end-point, without any other human interaction. The software has different features such as 1. Unit Master Creation, 2. Question wise marks pattern creation, 3. Subject marks pattern creation, 4. Choice Master Setup, 5. Choice Grouping, 6. Bundle Generation, 7. Bundling Work, 8. Valuator Remuneration Setup, 9. Valuator College Setup, 10. Valuator Master Creation, 11. Bundle Allotment to the Valuator, 12.Valuator Login Creation Password, 13. SMS/Email Login Password to Valuator,14. Valuator Login page in Browser, 16. Marks entry 2st Valuation, 17. Valuation Status Check, 18. .Verify Data Entry and Correction with Scrutiny Report,19. Results Processing, 20. Blooms Taxonomy, 21. Program Outcomes, 22. Analysis Reports. (iv) Semester Readiness Program(SRP) To monitor the ongoing Teaching Learning Activity continuously and for effective implementation of OBE, a new initiative named 'Semester Readiness Program (SRP)' is introduced. In this regard, pre-semester curriculum meetings were conducted in online mode with following expected outcomes Faculty shall be ready with required course material before the commencement of classwork. Faculty shall be ready with the lesson plan, schedules, assignment, question bank, model question paper for their respective courses. To ensure the quality of TLP and assessment, a three level internal academic auditing process by IQAC is also introduced. (v) Industrial Training / Internship: The students are encouraged to undergo Industrial training/Internship during summer / winter vacation. In this case the training

has to be undergone continuously for the prescribed period. The students may undergo Internship at Research organization / University (after due approval from the Head of the Department/Principal during summer / winter vacation or during semester break. If the student earns three (3) credits in Industrial Training / Internship, the student may drop one Open Elective. (vi) RESEARCH DAY: Organizing Research Day in the Institution by R and E Hub. The focused initiative by the Institute is being Celebrated with an Objective to not only change the image from an Under Graduate Engineering College to Research focused Institute but also to expand the base to encourage Research Scholars, Students, Faculty to showcase their Research. The event facilitates the participants to network with Faculty, Fellow Students and Local Industry who are sharing the same Vision from India and Abroad and learn the quality of Innovation - including the quality of Scientific Publications, the quality of Universities and Patent related filings and recognize their own Research while respecting others Research in a Win-Win situation for all.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://www.cbit.ac.in/ay20-2021-even-sem/

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY, established in the Year 1979, esteemed as the Premier Engineering Institute in the States of Telangana and Andhra Pradesh, was promoted by a Group of Visionaries from varied Professions of Engineering, Medical, Legal and Management, with an Objective to facilitate the Best Engineering and Management Education to the Students and contribute towards meeting the need of Skilled and Technically conversant Engineers and Management Professionals, for the Country that embarked on an Economic Growth Plan. CBIT is affiliated to Osmania university, approved as an autonomous institution under UGC, accredited by NAAC for two cycles and by NBA for five times and it ISO 9001:2015 certified institute. The institute got NIRF ranking 100 in 2020 ranking The Institute, committed to Education and Innovation, started with three-Degree Courses in Engineering for 200 Students and over the 41 Years, has emerged as a Dream Destination for Students seeking to excel in Engineering and Management Education, Teaching Community to progress with a rewarding Career and Corporates to source well-rounded Engineers. Stringent Academic Standards, Industry compliant Teaching Methodology, Research Projects from Private and Public Sector Industries in Engineering and Management and Consultancy Practice, enabled the Institute to establish its Identity in the Technical Education and is Ranked No. 1 amongst the Private Engineering Colleges in both the Telugu Speaking States. The Practices and the Culture at the Institute has always been to provide Quality Education by enhancing the overall Educational experience of Students adopting a wide range of Academic, Practical, Co-Curricular, Extra-Curricular Programs in the State-of-the-Art Facilities, Services and Activities to enable the required exposure to a variety of Social, Cultural, Intellectual, Recreational Opportunities and Challenges. Such learning experiences have enriched the lives of Students and helped them to develop into a Multi-Skilled and Multi -Tasking Personalities that ensured success in their Careers and Occupations. Co-curricular and Extra-Curricular activities are planned and executed through a number of Associations, Clubs, Societies, Students' Chapters of Professional Bodies, with a view to allow the Students, the necessary freedom to plan and execute every effort and in the process nurture them to be the future Leaders who learn to address Challenges and carve a path of Success. In its Four Decades of existence, all the Stake Holders of the Institute, relentlessly endeavoured to

position CBIT as an Institution that is a Leader and an Innovator in the Ecosystem of Engineering Higher Education. With the Students being the singular Objective, the Institute has established excellent Infrastructure such as State-of – the Art Laboratories, spacious Library with Printed and Digital Collection of Books and Journals, Sports, Hostel, and other Infrastructure for Extra and Co-Curricular Engagements with a total Built-up Area of about 57,714 Sq. Mts., in the serene Ambience of 50 Acres to inspire, encourage and pursue Academics. In its relentless strive for Academic excellence, CBIT has scaled great heights both Nationally and Internationally in Industry and Global University

Provide the weblink of the institution
https://www.cbit.ac.in

8.Future Plans of Actions for Next Academic Year

1. Three level audit systems on courses: Implementation of three levels Academic Audit: For strengthen the teaching and learning process a three level academic audit is introduced in the system. The first academic audit is conducted in the first week of semester class work for all the teachers which involves the verification of academic documents related to correlation matrix i.e mapping of COs, POs and PSOs, to reflect Outcome Based Education. In this process, the auditors also verify the Course file of respective faculty. a. The audit findings shall be addressed and fulfilled by the respective faculty through the respective Head of the department. b. The second audit shall be planned in the 9th/10th week of semester. In this audit, the auditors verify the Question papers of Class Test, Slip Test, Assignments and evaluation process of the same. Auditors also verify, whether the faculty are adopting Blooms Taxonomy levels and CO mappings in the questions. The requirement of conducting remedial classes for the students by the respective faculty is also considered in the auditing process. c. The last audit is planned after second class test i.e after last working day of the semester. In this audit the auditor verifies the CO attainment levels of the students based on CIE (Continuous Internal Valuation). The third audit shall be concluded when the respective faculty completes the CO attainment calculations based on the performance of both CIE and SEE i.e after declaration of the Semester End Examination results. 2. NITTTR training programs: The Institute is planning to establish a committee to initiate and conduct the activities with the guidelines of NITTTR. 3. Development of program exit survey through LMS: Program exit feedback systems: Program exit feedback is collected from the outgoing students of the institute. The feedback on Curriculum, Program Outcomes, Program Specific Outcomes, Training Placement, Career Development, Co curricular activities and Extra Curricular activates, Infrastructure and Common facilities is collected. The process of collecting feedback shall be carried out through the learning portal of the institute. 4. Introducing new emerging programs like AI, ML, Data security: The Institute is planning to introduce new UG/PG programs as and when notifications are released from AICTE. 5. Departmental academic audit. 6. Encouraging faculty for applying more research projects. 7. Initiatives under Industry Innovation an Incubation. 8. Strengthening Semester Readiness Program (SRP).