



Yearly Status Report - 2018-2019

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-AOAR-2017-18.pdf																								
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/academic-calendar																								
5. Accrediation Details																									
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B</td> <td>2.73</td> <td>2010</td> <td>04-Sep-2010</td> <td>09-Mar-2015</td> </tr> <tr> <td>2</td> <td>A</td> <td>3.11</td> <td>2017</td> <td>12-Sep-2017</td> <td>11-Sep-2022</td> </tr> </tbody> </table>						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
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	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		
Faculty Development Programme	26-Nov-2018 5	55
Induction Programme	22-Jun-2019 1	54
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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 2555	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
- Designing of Curriculum for UG programmes as per AICTE model Curriculum
- Participation in NIRF Ranking
- Initiated participation in ARIIA Ranking

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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	Achievements/Outcomes
Preparations for PG-NBA	SAR Contents are under preparation for

	MCA and MBA programs
Curriculum	AICTE MODEL CURRICULUM FOR ALL UG PROGRAMS
MHRD-NIRF Rankings	The Institute level NIRF team is thoroughly reviewed the data submitted to MHRD
To revise Self-Appraisal Reports of Faculty and Staff	To revise SAR from the next Academic Year
Renewal of NBA for ME and M.Tech Programs	The status of compliances of the previous NBA visits are addressed
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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	2019
Date of Submission	09-Feb-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<ul style="list-style-type: none"> • 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 the attendance of the students by the authorities • Updating the attendance information to the parents • Rolls list generation for seating arrangements during examination • OMR generation in the Semester end examination process • Generation of Attendance statements • Coding and decoding of answer scripts • Uploading of Marks • Process of Results • Generation of reports on results as per the stipulated norms by the affiliating University authorities • Generation of Marks memos • Generation of Certificates • Separate modules are in use in the institution for attendance and conduction of examinations • A separate ERP module is under

implementation for generating of Pay Rolls for the staff • Library is automated with Library Management Systems

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
BE	732	Ciivil	15/04/2019
ME	741	STRUCTURAL ENGG	15/04/2019
BE	733	CSE	19/03/2020
Mtech	742	CSE	19/03/2019
BE	735	ECE	26/03/2019
ME	7440	COMMUNICATION ENGG	26/03/2019
ME	7444	EMBEDDED SYSTEMS AND VLSI DESIGN	26/03/2019
ME	766	POWER SYSTEMS AND POWER ELECTRONICS	09/03/2019
BE	734	EEE	09/03/2019
BE	737	IT	16/03/2019

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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
BE	CSE	02/07/2018	OPEN SOURCE TECHNOLOGIES - CS464	02/07/2018
BE	CSE	02/07/2018	MOBILE APPLICATION DEVELOPMENT - 16CSE04	02/07/2018
BE	CSE	02/12/2018	SEMANTIC WEB AND SOCIAL NETWORKS	10/12/2018
BE	CSE	02/07/2018	DATA SCIENCE AND BIG DATA ANALYTICS	10/12/2018
BE	CSE	02/07/2008	CYBER FORENSICS-CS474	10/12/2018
BE	CSE	02/07/2018	PATTERN RECOGNIZATION-CS481	10/12/2018
BE	CSE	02/07/2018	BIOINFORMATIC	10/12/2018

			S-CS482	
BE	CSE	02/07/2018	BUSINESS INTELLIGENCE-CS484	10/12/2018
BE	CSE	02/07/2018	OOP (PYTHAN)-18CSE03	07/01/2019
Mtech	CSE	27/08/2018	RESEARCH METHODOLOGIES IN COMPUTER SCIENCE-16CSE122	15/12/2018
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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
Nil	0	Nil
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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
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
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

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
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Environmental Sciences	01/07/2018	Null
Indian Constitution	01/07/2018	52
Essence of Indian Traditional Knowledge	01/07/2018	52
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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
BE	CIVIL	130
BE	CSE	19
BE	ECE	164
BE	IT	22
BTech	CHEMICAL	20
MCA	MCA	3
BTech	BIOTECH	6
BE	EEE	150
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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)

<p>Feedback Obtained</p> <p>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 amp 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 amp 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.</p>
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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
ME	ME/MTECH	176	Nil	100
MCA	MCA	60	Nil	46
MBA	MBA	120	Nil	120
BE	BE / BTECH	1080	Nil	943
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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
2018	4379	569	217	21	60

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 (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
295	295	5	89	1	8

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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 who acts as a student counselor (mentor) to monitor the progress of the students. In the beginning of each academic year, a set of newly admitted students will be allocated to each faculty member, who will be continued till the end of the program. As part of this mechanism, a booklet titled "Student Progress Report" is maintained for 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. They periodically monitor attendance, identify academically weak students and give proper counselling. Remedial classes are arranged if necessary. The students also get benefited with the guidance of 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
4948	295	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	295	Nil	28	93

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
2018	Dr. K. Jagannadha Rao	Professor	Best paper award, International Conference, Malaysia
2019	Dr. K. Praveen	Assistant Professor	Doctoral of Philosophy, NIT Warangal
2019	Dr. Y. Rama Devi	Professor	Best Teacher Award for 2018-19
2019	Dr. P. Narahari Sastry	Professor	Appreciation for Peer Reviewed Journal Publications
2019	Dr. N. Alivelu Manga	Associate Professor	Best Teacher of the Institute
2019	Dr. K. Krishnaveni	Professor	Sir Thomas Ward Memorial Prize by Journal of The Institution of Engineers (India)
2018	Dr. G Suresh Babu	Professor	Distinguished Faculty in Engineering by Center for Advanced Research and Design, Venus International

			Foundation
2018	Dr. M. BalasubbaReddy	Associate Professor	Received "Adarsh Vidya Saraswati Rashtriya Puraskar (National Award of Excellence 2018) from Global Management Council, Ahmedabad.
2018	Dr. Kowsthubha	Associate Professor	Sir Thomas Ward Memorial Prize by Journal of The Institution of Engineers (India)
2018	Dr. G. Vijaya Laxmi	Assistant Professor	Rashtriya Shiksha Ratan Award
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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
BE	732-738,802 805	I SEMESTER IV/IV	05/12/2018	07/01/2019
BE	732-738,802 805	V Semester	05/12/2018	07/01/2019
BE	732-738,802 805	III Semester	04/12/2018	07/01/2019
MCA	862	V Semester	19/11/2018	07/01/2019
BE	732-738,802 805	I Semester	04/01/2019	25/01/2019
MCA	862	I Semester	27/12/2018	25/01/2019
MCA	862	III Semester	20/11/2018	07/01/2019
MBA	672	I Semester	03/01/2019	04/02/2019
MBA	672	III Semester	03/12/2018	07/01/2019
ME	741, 742, 744, 745,765,766	I Semester	07/01/2019	04/02/2019
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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
4	9728	0.041

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/current_students/ug-and-pg-syllabus-structure

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
862	MCA	MCA	41	40	97.56
805	BTech	BIOTECH	52	50	96.15
802	BTech	CHEMICAL	51	34	66.67
738	BE	PROD	59	51	86.44
737	BE	IT	138	130	94.2
736	BE	MECHANICAL	138	127	92
735	BE	ECE	209	204	97.61
734	BE	EEE	143	134	93.71
733	BE	CSE	202	188	93.07
732	BE	CIVIL	140	128	91.43

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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://drive.google.com/file/d/1Fm4reZlyOZeXpOYXpj74GkuMLZFvnerj/view?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
Ch Sushma
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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	T Malleswari Devi	PhD under QIP	30/06/2019	AICTE / MHRD

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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 agency	Total grant sanctioned	Amount received during the year
Major Projects	1825	Collaboration with US (In-House)	5000000	650000
Major Projects	730	AICTE-MODROB	994725	145000
Minor Projects	1095	UGC	270000	145000
Major Projects	1440	DST	2900000	0
Major Projects	365	AICTE-MODROB, New Delhi	2000000	0
Major Projects	1095	ISRO-RESPOND, Bangalore	1766000	537000
Major Projects	1095	SAC, ISRO, Ahmedabad	1937000	429750
Minor Projects	730	UGC	260000	0
Minor Projects	730	UGC	165000	165000
Major Projects	1095	AICTE	1100000	0

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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0.044

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
Sudhee/Synapse	ECE	28/09/2018
Methodologies and practices for profitable research through patents and IPR	CBIT, HYDERABAD	29/11/2018
ROBOVANZA 2k18	IEEE CBIT Student Branch and ROBOTICS club CBIT	28/09/2018
Virtual Reality	IEEE CBIT Student Branch in association with Dept. of ECE	18/08/2018

Cognitive Radio	ECE	16/07/2018
Publications and project exhibitions	CBIT	23/08/2019
One day National Seminar on Water world day , Water on Environment	CIVIL	22/03/2019
A National Level One-Day Workshop on Applications of Mathematics in Space Sciences	MATHEMATICS	30/11/2018
Developing and Analysing Business Cases	SMS	12/12/2018
Pattern Recognition and machine learning	ECE	30/05/2019
Star Program: Visits to School	IEEE, CBIT WOMEN IN ENGINEERING SOCIETY	02/03/2019
Spectrum talk-4: Hardware Security	IEEE CBIT Student Branch	05/03/2019
Spectrum talk-3: DBMS	IEEE CBIT Student Branch	18/02/2019
Spectrum talk-2: Web Technologies	IEEE CBIT Student Branch	11/02/2019
Spectrum talk-1: Machine Learning	IEEE CBIT Student Branch	04/02/2019
Cognitive Radio and its Applications	ECE	12/02/2019
Cadence Tools	ECE	11/02/2019
Artificial Intelligence /Internet of Things	IEEE CBIT Student Branch In association with Redpine Signals	05/02/2019
Artificial Intelligence /Internet of Things	IEEE CBIT Student Branch In association with Redpine Signals	29/12/2018
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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
Kony Hackathon	Md. Ziauddin, Neelkanth P, Rohan Bolusani	Base camp, Kony	02/02/2019	Hackathon and won the second position
Kony Hackathon	Harika S, Sangeetha R, Shruthi A	Base camp, Kony	02/02/2019	Hackathon and won first position
Smart India Hackathon-2K19	P. Durga Prasad, P.Sneha, E. Madhuri, V.Pran eethPrasad, V.	MHRD	02/03/2019	Hackathon, conducted by GOONJ, Banaras Hindu University,

	Venkat Teja, V. Alekhya Rao			Varanasi, Uttar Pradesh and won the 3rd position
Smart India Hackathon-2K19	K. Pratyush, R. Revanth kumar, VSVS Varma, V. Harshitha Patel, Sai Harika B, Shreya Raj	MHRD	02/03/2019	Hackathon, conducted by KGIS Industry, IIT Roorkee and won first place
Smart India Hackathon-2K19	V.Anirudh, T. Charitha, V. Hyndavi, N. Sai Nikitha, K. Vanitha, Divyanshu A	MHRD	02/03/2019	Hackathon, conducted by ARAI Industry at NIT Patna and won first place
Smart India Hackathon	Venkata, chanakya gondi, kambhampati aditya, saitej, Shivam, Sharath Kumar	AICTE	02/03/2019	Hackathon
Smart India Hackathon	Harika, Shreya, Harshitha, Revanth, sai varma and Prathyush	AICTE	02/03/2019	Hackathon
Smart India Hackathon	Swetha, kothuru shalini, karrolla beulah, shivani chennaju, Kanishka Sathvik Rao	AICTE	02/03/2019	Hackathon
Best Presentees for Research paper	Dr. K.Jagannadha Rao	CONCET 2018	09/08/2018	Conference paper
Smart India Hackathon	Krishnaveni, C. Meghana, Adithya, Vineel, C.Jaya Chandra Kanth, Datta Sai Tanuj	AICTE	02/03/2019	Hackathon
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nil	Nil	Nil	Nil	Nil

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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
Information Technology	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)
National	CIVIL	3	0
National	MATHEMATICS	3	0.5
International	BIOTECHNOLOGY	8	0.8
International	CHEMICAL ENGINEERING	11	0
International	CHEMISTRY	6	0
International	CIVIL ENGINEERING	10	1.2
International	COMPUTER SCIENCE AND ENGINEERING	42	0
International	PHYSICS	11	2
International	MATHEMATICS	11	2
International	MECHANICAL	19	0

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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
Chemistry	2
Civil Engineering	15
Computer Science and Engineering	7
Chemical Engineering	1
Mechanical Engineering	3
MCA	3
Information Technology	8
Electrical and Electronics Engineering	31

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Fuzzy PID control system and method there of for Industrial Process Control	Published	201941024479	28/06/2019

Fuzzy Neural Network-Based PID Control System And Method Thereof For Industrial Process Control	Published	201941024479	28/06/2019
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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
Implementation of Low-Cost Home Monitoring, Controlling and Security System using IoT	Pranay Kumar Dasari, D.Sai Harsha, E. Chandrasekhar	International Journal of Engineering Research Technology (IJERT)	2019	21	CBIT	Nil
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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
Augmentation of NavIC-11 with BeiDou-3 over Indian Region	Sudarshan Reddy Kotla, Sameeha Fahmeen, Quddusa Sultana, D. Krishna Reddy	Journal of Adv Research in Dynamical Control Systems, Vol. 11, 03-Special issue, March 2019, ISSN 1943-023X, pp: 1667-1673 March 2019.	2019	8	Nil	CBIT
Three phase grid connected PV system with LVRT control strategy	Dr. T. Murali Krishna, Deepak Gehlot, N. Anusha G. Suresh Babu	International Journal of Mechanical Engineering and Tech. (IJMET) IS	2018	13	Nil	CBIT

		SN:0976-63 59				
Electromagnetic interference shielding effectiveness of amorphous and nano composite soft magnetic ribbons,	Premkumar Murugaiyan , Amitava Mitra , Ashis K. Panda , A. Santhosh Kumar , Rajat K. Roy , Kunal Manna , Suneel Kumar Srivastava	Physica B: Condensed Matter 568	2019	1	1	CBIT
Natural background gamma radiation levels in dwellings constructed under double bedroom housing scheme at Erravalli and Narsanapet model villages of Telangana state, India	K. Vinay Kumar Reddy, B. Sreenivasa Reddy and B. Linga Reddy,	Indoor and Built Environment (Accepted)	2019	Nil	Nil	CBIT
Natural background gamma radiation levels in the environs of proposed petro-chemical industry near Jadcherla, Telangana state, India,	G. Srinivas Reddy, K. Vinay Kumar Reddy, B. Linga Reddy and B. Sreenivasa Reddy.	Nature Environment and Pollution Technology (Accepted)	2019	Nil	Nil	CBIT

High blood pressure prediction based on AAA using machine-learning algorithms	Y.Ramadevi	Cogent Engineering	2018	3	1	CBIT
High blood pressure prediction based on AAA using J48 classifier	Y.Ramadevi	Conference on Signal Processing And Communication Engineering Systems, SPACES 2018, January-2018.	2019	3	2	CBIT
Hybrid effects of stirrup ratio and steel fibers on shear behaviour of self-compacting concrete	Praveen Kannam, Venkateswara Rao Sarella and Rathish Kumar Pancharathi	Archives of Civil Engineering	2018	1	2	CBIT, NIT, WARANGAL
A study on validation of shear behaviour of steel fibrous SCC based on numerical modelling (ATENA)	Praveen Kannam, Venkateswara Rao Sarella	Journal of Building Engineering	2018	1	1	CBIT, NIT, WARANGAL
Implementation of home automation system using mqtt protocol and esp32	K.Sagar	International Journal of Engineering and Advanced Technology	2018	1	1	CBIT
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
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Attended/Seminars/Workshops	11	209	14	68
Presented papers	118	27	Nil	Nil
Resource persons	2	15	10	11
No file uploaded.				

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Mechanical Engineering	Workshop	University of Hyderabad	80850
RCI-DRDO	Improvement of Performance of RLG using Wavelet and S-Transform Algorithms.	RCI	382928
RCI-DRDO	Performance and evaluation of IRNSS in the context of position and velocity	RCI	422238
No file uploaded.			

3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultant(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Nil	Nil	Nil	0	0
No file uploaded.				

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
Womens Day Celebration for our Staff	CBIT	2	40
Orphanage Visit	Helping Hands	1	20
Health Camp for Institute Staff	Lions Club, Hyderabad	1	26
Blood Donation drive	N.T.R Blood Bank	6	15
Haritha Haaram	NSS-CBIT Collaborated with Parivrita-Student	15	20

	Environment Club of the Institute		
Road safety interactive sessions	Cyberabad Police	3	25
Drug Abuse and Drug Awareness Program	NSS Wing of the Institute	5	18
Anti Ragging Awareness	NSS Wing of the Institute	10	24
No file uploaded.			

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
Nil	Nil	Nil	Nil
No file uploaded.			

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 activities	Number of students participated in such activities
Nil	Nil	Nil	Nil	Nil
No file uploaded.				

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
Research	Ph.D Scholars	Self-Finance	365
Virtual Labs (IIITH)	Students, Faculty	IIITH Through MHRD	365
Incubation, Innovation and Internship	Students	ROUZR Technologies	365
Projects	Students	RCI	365
Internships Projects	Students	Caravel.AI	365
National Energy Conservation Week	UG & PG Students, Staff	TSREDCO	7
On-line STTP	Staff(T & NT)	NITTTR Kolkata	5
On-line STTP	Staff(T)	NITTTR Kolkata	5
Advisory Committee Member for Centre for Space Science and Technology Education in Asia	Dr.A.D.Sarma	NIL	365

and Pacific (Affiliated to the United Nations)			
Technical Advisor for "Advanced GNSS Research Laboratory" at Osmania University, Hyderabad, Telangana.	Dr.A.D.Sarma	NIL	365
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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
Software Training	Deep Learning Algorithms Boot Camp	CARAVEL.AI, Edyst, Python Software Foundation COSC	19/09/2018	20/09/2018	Students
Technology Training	Training on Optical Fibre Technologies	Reliance Jio	15/10/2018	15/10/2018	Faculty
Collaborative Program of Training, Curriculum and Institutional Development	Development of Laboratory Instruction and Manual	NITTTTR	04/02/2019	05/02/2019	Faculty
Seminar	Seminar on Higher Education	Manya Educational Group	20/12/2018	20/12/2018	Students
No file uploaded.					

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
ROUZR Technologies	02/11/2018	Projects	8
CARAVEL.AI	10/09/2018	Internships Projects	12
No file uploaded.			

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
320000000	7051182

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Others	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing

[View File](#)**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	3.1.4	1997

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
e-Books	1035	2652966	Nill	Nill	1035	2652966
Journals	139	128000	Nill	Nill	139	128000
CD & Video	4351	Nill	42	Nill	4393	Nill
Weeding (hard & soft)	Nill	Nill	Nill	Nill	Nill	Nill
Others(s pecify)	Nill	Nill	Nill	Nill	Nill	Nill
Text Books	105928	16232596	2933	594684	108861	16827280
Reference	12714	3814200	539	215600	13253	4029800

Books						
e-Journals	2500	2917086	Nil	Nil	2500	2917086
Digital Database	3	599182	Nil	Nil	3	599182
Digital Database	1	212500	Nil	Nil	1	212500
No file uploaded.						

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
Nil	Nil	NA	Nil
No file uploaded.			

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	53	11	500	0
Added	320	6	320	0	1	10	0	560	0
Total	2205	54	2205	5	5	63	11	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
LMS	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 incurred on maintenance of physical facilities
209.8	159.6	692.34	151.6

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: All Desktops and Laptops are connected to internet through LAN connectivity. Students and faculty can access the internet using desktops/laptops and mobiles. Institute has four dedicated servers for the academic and examinations services. All these machines are secured and
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protected by anti-virus software. Library Information Centre: The library is often considered a hub of thoughts / Knowledge. The diverse collection in any library shapes the mind-set and opinions of the students. 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 obtain financial sanction through Institute Development and Purchase committee for their acquisition and subscription as per the Institute rules. Utilization of the Library Resources and Services The Institute Library Information Centre has more than 1.00 lakh volumes and subscribes more than 1000 E.Journals. The Department of Physical Education The department of Physical Education started functioning from the inception of the institute for all-round development of the students. It has the following indoor and outdoor sports facilities. About 23,132 sq.mts of area for outdoor sports facilities, which includes Cricket/Athletics, Football, Throwball, two Volleyball courts and one Basketball court (Concrete court with fiber boards). An indoor sports complex has a floor area about 25,000 sft accommodating all indoor sports. It has 2 courts of Badminton/Tennikoit (Wooden flooring), 15 carrom boards, 20 chess boards, 7 Tables tennis (Wooden flooring), fitness Lab (16-Session multi purpose Gym, commercial Motorised Treadmill, commercial Cable Cross Over, Elliptical Cross trainer Cardio Machine, Multi press, Commercial Spin bike, Dumble rack , Weight training rods, plates and dumbles), and hall with wooden flooring for Yoga/Aerobics (Steppers, Gym balls, yoga mats, stretch bands, toning bands and skipping ropes) Department also has accommodation facilities for the players.

<https://www.cbit.ac.in/wp-content/uploads/2019/04/Human-Resources-Policy-Manual-2.pdf>

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	Scholarships	395	86846000
Financial Support from Other Sources			
a) National	Fee Reimbursement	1735	191948162
b) International	Nil	Nil	0
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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
Remedial Classes (Dept. of EEE)	30/03/2019	37	Faculty EEE Department

Remedial Classes (Dept. of EEE)	23/03/2019	83	Faculty EEE Department
Soft skill development	16/07/2018	90	English Department
Remedial coaching (Dept. of Civil Engg.)	13/07/2019	16	Faculty of Civil Engineering
Bridge Course (Lateral Entry)	16/08/2018	110	Faculty of CSE Department
Induction Programme	01/07/2018	180	AICTE (G. Vivek, B. Ramana Reddy)
Remedial Classes (Dept. of ECE)	22/02/2019	79	Faculty of ECE Department
Remedial Classes (Dept. of CSE)	01/08/2018	36	G. Mamatha, R. Govardhan Reddy
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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 passed in the comp. exam	Number of students placed
2018	Career Counselling	51	51	Nil	12
2019	Soft skills and employability enhancement	216	216	Nil	Nil
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
Nil	Nil	Nil

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Accenture	284	103	Microsoft	1	1
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students	Programme graduated from	Department graduated from	Name of institution joined	Name of programme
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	enrolling into higher education				admitted to
Nill	1	BE	Mechanical	Brimington University, USA	MS
Nill	1	BE	IT	University of Maryland Baltimore County	MS
Nill	1	BE	EEE	University of Northern Carolina Charlotte	MS
Nill	1	BE	CSE	California State University San Bernardino	MS
Nill	1	BE	CSE	Carnegie Mellon University	MS
2018	1	BE	CSE	University of Pittsburgh	MS
2018	1	BE	Civil Engineering	NIT, Tiruchirappalli	MTech
2018	1	BTech	Biotechnology	Biotechnology	MSc Biotherapeutics
2018	1	BTech	Biotechnology	Universitat Hohenheim	Master of Science Organic Agriculture and Food systems

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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
GATE	13
CAT	2
GRE	12
TOFEL	5
Civil Services	1
Any Other	11

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

Activity	Level	Number of Participants

Gold Medal Certificate Of Merit	National - Award Of Gold Medal In Memory Of Er.A P Ranganathaswamy	1
Certificate Of Academic Excellence Award	National - Academic Excellence Award	1
Young Scientist Award	National - Telangana Environment Congress 2019	3
No file uploaded.		

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
2018	Swimming (Woman)-50 mtrs Free style- Winner	National	1	Nil	160118-805023	K.Sai Manasa - 1/4 Biotechnology
2018	Swimming (Woman)-50 mtrs Free style- Winner	National	1	Nil	160115-735077	D.Sreeranjani - 4/4 ECE
2018	Weight Lifting (Men-55 kgs)-OUICT - LB Stadium, 30th August 2018-Runner	National	1	Nil	160118-736108	B.Venkata Sai - 1/4 Mechanical 2
2018	Judo (Men)- OUICT - GHMC S.M.Sports Complex, Hyderabad, 01st September 2018-III Place	National	1	Nil	160116-738302	K.Uday Kiran - 3/4 Production
2019	Athletics - 100 mtrs (Men)- 11th Indian Open Inter Engineering	National	1	Nil	160116-736088	A.Mahender - 3/4 Mechanical

	Collegiate Sports Fest 2018-19 - VNRVJIET, 13th - 14th February 2019-Gold					
2019	Athletics - High jump- 11th Indian Open Inter Engineering Collegiate Sports Fest 2018-19 - VNRVJIET, 13th - 14th February 2019-Silver	National	1	Nil	160116-736107	G.Sai Ram - 3/4 Mechanical
2019	Athletics - High jump- 11th Indian Open Inter Engineering Collegiate Sports Fest 2018-19 - VNRVJIET, 13th - 14th February 2019-Bronze	National	1	Nil	160116-732057	U.Vinodh Kumar - 3/4 Civil
2019	Tabletennis - Singles (Men)- National Level Inter Engineering Colleges Sports Meet - ATHLEMA '19 - MVSr, 15th	National	1	Nil	160118-733165	Rithik Kotha - 1/4 CSE3

	& 16th March 2019 -Runners					
2019	Tableten nis - Doubles (Men)- National Level Inter Engi neering Colleges Sports Meet - ATHLEMA '19 - MVSR, 15th 16th March 2019-Winne rs	National	1	Nil	160116-7 36017	M.Anish Reddy - 3/4 Mechanical
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

BIOTECHNOLOGY 1) Biotechnology and Bioengineering club is constituted and the students of second, third and final year students actively participating and conducting the events like seminars, workshops on Advances in Biotechnology. 2) Every year Students of Biotechnology actively participating in the institutional level National level technical symposium NEOZION under SUDHEE as a volunteers to coordinate the event. ECE The third year students are involved as placement coordinators for assisting the placement cell in the recruitment of different companies. The topper in academics of the class is made as Class Representative (CR) for each and every class. The common instructions to the students from the faculty are given through the CR. Among the final year CR's (considering all the departments in the college), the one who has highest academic percentage is made the chairman for the annual day celebrations for that particular year. The annual day celebrations consists of sports events, various competitions like singing, dancing and the prize distribution of all events including cultural program night every year. These programs continue for three complete days in the second semester of the academic year. EEE Student counselor Ms. Vijaya Lakshmi along with Director-Student Progression and Director-Student Affairs addressed the EEE staff and highlighted the significance of identifying the behavior of the student in the class.

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:

4000

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

414000

5.4.4 – Meetings/activities organized by Alumni Association :

The Alumni meeting was organized on 25.12.2018 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 institute ensures that effectiveness and excellence of governance is strengthened with decentralization and participative management. The institute is adopting decentralization in many aspects, one of them is teaching learning processes. As part of Teaching Learning Process, the respective departments are given the freedom and responsibility of designing and developing their own curriculum and in adopting innovative teaching learning processes. The Head of the department conduct meeting with the faculty members before commencement of the semester and discuss the teaching methodologies to be adopted for effective knowledge transferred to the students. The Head of the department addresses the students and monitors their progress at regular intervals through feedbacks and interactions. Class teachers and attendance monitoring teachers are appointed. Corrective or remedial actions will be initiated if any refinements are required from time to time. Regarding participative management, the institute adopts this in its Curriculum design and development. As part of this, all the faculty members are involved initially at department level and Head takes their suggestions regarding syllabus and other curriculum issues. Then the same will be discussed in BoS meetings of the departments. The constitution of department BoS Committee members consists of experts from industry, academia and alumni members. All BoS outcomes of respective departments are finally approved in academic council meetings. Thus the decentralization and participative management of the institution contributes in improving governance leading to comprehensive and holistic development of the institute.

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
Research and Development	To enhance research activities and cultivate pleasant research atmosphere, a multi-crore state of the art building with modern technical facilities was established in the year 2018. It facilitates all departments to carry out advanced research, establish incubation cells and start-ups. The RD

Centre, helps to promote research and innovations amongst the faculty and students by identifying new research areas leading to publications. All research activities are being streamlined to make a mark in 'Make in India' concept of Indian Government. Proposed to procure anti-plagiarism software to assure quality and arrange guest lectures to expose students and teachers to latest technologies.

Curriculum Development

ChaitanyaBharathi 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.

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 teachinglearning 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 effective teaching. 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 weak ?

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

Examination and Evaluation

The college will conduct continuous internal evaluation (CIE) and semester end examinations (SEE) to evaluate the academic performance of the students.

The chairperson-BOS of concern department will give list of subject experts from premier institutions in the state and outside the state. The question papers will be brought from outside the college. The chairperson-BoS or his nominee (senior faculty) will do the moderation to ensure the quality of question papers. After the conduct of examination, evaluation will be done with internal and external examiners to have more transparency. The students can apply for physical verification and reevaluation if

required after the declaration of the results. The grade sheets will be issued to students after the results declaration.

Library, ICT and Physical Infrastructure / Instrumentation

Computerization of administration and library for the improvement of Quality of Services Computerisation of the CBIT- Library Information Centre CBIT Library Information centre automated its housekeeping operations by using NewGenLib: an integrated Library automation software. Library created its resources Database and provided Online Public Access Catalogue (OPAC) through which users can be accessed from any of the computer connected in the campus LAN to know available resources and the status of the book. Institute Library Information is subscribing online e-books and e-journals databases as per the requirement of the institute and also AICTE. Provided 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 Resources sharing Networks such as NLIST-INFLIBNET and AICTE-INDEST. Library has an exclusive Library Website: <http://library.cbit.ac.in>

Human Resource Management

We at CBIT believe that HRM is not only crucial to the Institute's success, but is a 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. An elaborative and systematic plan of action is developed by the human resource department. Our strategic plans would include long-term goals, while the Human Resource 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 has become more of a partnership within the organization. Our basic functions include Talent Acquisition, Workplace policies, Compensation and benefits, Retention, Performance Appraisal System, Training and development, Regulatory issues, etc..

Industry Interaction / Collaboration

CBIT Entered Collaborations with the following organisations CII, FABA, KERNEL SPHERE, MSME, RPA, ATLAS GRADVINE. CII Organized 98 Seminars, Webinars on various industry specific themes and Industrial visits in 2018-19 benefiting 131 faculty and 380 students. CBIT is recognized MSME Incubation Centre. Twenty six Ideas Under MSME MyMSME 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, Digintrude to harness Cyber Security, Privacy initiatives in building Cyber Security Eco-System in the campus. Collaborated with FABA (Federation of Asian Biotech Association) in conducting 15 Activities by resource persons from Industry Research organizations on emerging trends in Life sciences. Collaborated with ATLAS, GRADVINE in student development training programs, guiding and counseling the students on higher education abroad. In 2018-19, 125 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.

Admission of Students

A Candidate seeking admission to the four-year degree course in Engineering BE/BTech under Conveners quota (70) of intake in each branch.30 of seats shall be filled on the basis of rank obtained in JEE mains, EAMCET and IPE or

equivalent under B-Category(Management Quota) (15 Merit and 15 NRI). A candidate seeking admission to the three year full time MCA/MBA programme under Conveners quota (70) of intake in each branch. The Management admits the remaining 30 under Management quota.

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

E-governance area	Details
Student Admission and Support	<p>A Candidate seeking admission to the four-year degree course in Engineering BE/BTech under Conveners quota (70) of intake in each branch. 30 of seats shall be filled on the basis of rank obtained in JEE mains, EAMCET and IPE or equivalent under B-Category(Management Quota) (15 Merit and 15 NRI). A candidate seeking admission to the three year full time MCA/MBA programme under Conveners quota (70) of intake in each branch. The Management admits the remaining 30 under Management quota.</p>
Examination	<p>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.</p>
Planning and Development	<p>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,</p>

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 stakeholders. Constant support from the Top Management, functional autonomy, adequate training and motivation for the staff and students, financial 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 and Accounts department of the institute is partially E-governed with an aim to digitize and minimize manual intervention in maintaining books of accounts and student fee ledgers. The college uses the Student Master for maintaining student fee ledgers and 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 and Miscellaneous Fees respectively.

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
2018	Sri. N.V. Phanendra Babu	Continuing Education Programme on Research, Simulation and Analysis of Modern Power System Issues NIT- Warangal	Nil	2000
2019	Sri G.Mallikarjun Rao	National Workshop on Wireless Communication (NWWC-2019) at C.R.Rao AIMSCS, Hyderabad in association with Indian Telephone Industry limited	Nil	3000
2019	Smt.B.Neeraja	International conference on Electrical, Computer and Communication Technologies held at SVS College of Engineering. Coimbatore	Nil	10000
2019	Sri.K.Sudarhan Reddy	International conference on Electrical, Computer and Communication Technologies held at SVS College of Engineering. Coimbatore	Nil	10000
2019	Sri.T.Sridher	IEEE International	Nil	8950

		conference control, communication and computing (IC4-2018)		
2019	Smt.N.Lalitha Kumari	Cold formed steel structures, IIT Hyderabad	Nil	6500
2018	Dr G Vijaya Laxmi	Attended 5-day workshop on "Advanced techniques in microbial systematics" at Microbial type culture collection and gene bank (MTCC), IMTECH, Chandigarh.26-30th November 2018.	Nil	10000
2018	Sri. K.V.Vivek	88th orientation Program	Nil	1000
2018	Sri. R.Ranga Reddy	88th orientation Program	Nil	1000
2018	Ms.T.Malleswari Devi	Introduction to MATLAB research Enhancement Tools, School of Electronics Communication Engg. In collaboration with Human Resource Development Centre, JK	Nil	10000
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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)
2018	Inter Auditor	Nil	08/12/2018	08/12/2018	50	Nil

	training on ISO 9001:2015. Certificati on No: IA9 186414043					
2018	Samskritha Bharathi Telangana	Nil	08/09/2018	08/09/2018	6	Nil
2018	Inter auditor training on ISO 9001:2015 Quality Management System	Two	08/12/2018	08/12/2018	2	Nil
2019	Short term training programme throught ICT mode on " NBA A ccreditati on	Nil	22/04/2019	26/04/2019	98	Nil
2019	Short term training programme through ICT Mode on " Devel opment of Laboratory Instructio n and Manual" organized by National Institute of Technical Teacher's Training and Research, Kolkata.	Nil	04/02/2019	08/02/2019	32	20
2018	88th UGC sponsored Orientatio n course	Nil	13/12/2018	11/01/2019	1	Nil
2018	Faculty developmen	Nil	29/11/2018	29/11/2018	1	1

	t Program titled "Methodologies Practices for Profitable Research through Patents IPR"					
2018	Symposium on "Significance of Sanskrit for Technological Research"	Nil	08/09/2018	08/09/2018	3	Nil
2019	One week workshop on Allen Bradley PLC Programming	Nil	12/11/2018	16/11/2018	30	9
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
Cold-Formed Steel Structures	2	22/03/2019	23/04/2019	2
NBA Accreditation	3	22/04/2019	26/04/2019	7
Total Station Application in Surveying	3	29/10/2018	31/10/2018	3
88th Orientation Program	2	13/12/2018	11/01/2019	30
Faculty development programme	4	26/11/2018	30/11/2018	7
Short term training programme through ICT mode on " NBA Accreditation	2	22/04/2019	26/04/2019	7

Faculty Development Program	2	26/11/2018	30/11/2018	7
Dynamic Testing Simulation of Civil Structures	2	08/10/2019	08/10/2019	1
Finite Element Analysis using MATLAB	2	01/10/2018	06/10/2018	7
Introduction to MATLAB research Enhancement Tools	1	13/07/2018	22/07/2018	14
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
7	21	Nil	Nil

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>CBIT has effective welfare measures in place for its Teaching and Non-Teaching staff. The various welfare schemes are as follows: - Medical Insurance policy - Accidental Insurance policy - Maternity benefits as per policy - Gratuity - ESI - EPF - Employees welfare fund - Sponsorships on FDPs and other training programs</p> <p>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</p>	<p>CBIT has effective welfare measures in place for its Teaching and Non-Teaching staff. The various welfare schemes are as follows: - Medical Insurance policy - Accidental Insurance policy - Maternity benefits as per policy - Gratuity - ESI - EPF - Employees welfare fund - Sponsorships on FDPs and other training programs</p> <p>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</p>	<p>Accidental insurance policy for all admitted students worth of Rs. 3 Lakhs</p>

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
Nil	0	Nil
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6.4.3 – Total corpus fund generated

0

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 Private Limited	Yes	IQAC
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)

1) Every month during the semester respective class coordinator interact with parents to discuss about their wards monthly attendance shortage and academic progress. 2) Teachers (class coordinators) interact with student's parents to discuss about the maintenance of smooth ecosystem in the campus by submitting the ant ragging affidavits.

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

- Encouraged the Supporting staff to undergo In-House training programmes.
- To motivate supporting staff to pursue higher studies and other relevant technical training programmes.
- Training is provided to supporting staff on ICT tools.

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

- Filling of Vacant Teaching and non-teaching posts on regular basis.
- 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.
- Strengthening of Student feedback

system • Faculty are motivated to organize and participate in workshops/seminars/FDPs/STTPs/online trainings. • Planning to organize International Conferences

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
2018	Five days Faculty Development programme conducted by in-house training center of Chaitanya Bharathi Institute of Technology	26/11/2018	26/11/2018	30/11/2018	55
2019	Induction Programme	22/06/2019	22/06/2019	22/06/2019	54
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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
Induction Program	28/07/2018	11/08/2018	231	429

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

Report on NATIONAL ENERGY CONSERVATION WEEK CELEBRATIONS 14th - 20th DECEMBER 2018 Energy savers' club of Chaitanya Reethi , CBIT organized NECW celebrations during 14th - 20th Dec 2018. Day1: 14th Dec 2018 - Friday The NECW celebrations got inaugurated by Sri. C. V. Ratnam, Chief Engineer (Rtd.), Indian Railways for which Dr. P Ravinder Reddy, Principal presided over the function. Dr. G Suresh Babu Prof Head, EEE briefed about the ESC activities where as Dr. T. Murali Krishna, Co-convener ESC narrated about the program, Ms. N. Vasantha Gowri, Co-convener, ESC explained about the program schedule and different events will be organized in whole week. The inaugural session concluded with vote of thanks by Coordinator, ESC Mr. C Harish. In afternoon, BE students propagated the energy conservation theme in CBIT campus. Day 2: 15th Dec 2018 -

Saturday ESC-CBIT team organized Energy quiz competitions for 8th ,9th 10th class students at ZP High School Hydershakote. The Winners are awarded with LED lamps in the valedictory. Day 3: 16th Dec 2018 - Sunday ESC-CBIT team joined the Energy Walk organized by Energy conservation mission of IE(I), Telangana State Centre, from peoples plaza of necklace road to Khairtabad. Day 4: 17th Dec 2018 - Monday ESC-CBIT organized one day seminar on Energy Efficiency using VFDs integrated with IoT. It was inaugurated by Dr. G. Suresh Babu, Prof. HoD-EEE, explained about various schemes offered in Renewable Sector. Later, the speaker Sri. Mohammad Akbar Ansari, Chief consultant, Electromation Technologies, has enlightened the participants by his seminar and demonstration. The faculty and students from different colleges participated in this seminar. Day 5: 18th Dec 2018 - Tuesday ESC-CBIT team reached Hydershakote village and interacted with the villagers about the energy saving techniques and distributed LED lamps to the needy. Day 6: 19th Dec 2018 - Wednesday ESC - CBIT organized half day on energy talk and Quiz is also organized for BE 2nd and 3rd year students and winners are awarded with LED lamps in the valedictory. Day 7: 20th Dec 2018 - Thursday In the valedictory of NECW celebrations, Sri. C. V. Ratnam, Chief Engineer (Rtd.), Indian Railways is invited as Chief Geust, for which Dr. P Ravinder Reddy, Principal, CBIT(A) presided over the function. Dr. G Suresh Babu Prof Head, EEE briefed about the ESC activities where as Mr. N Santosh Kumar, Coordinator ESC explained about the events that are organized and narrated about week long program, Prize winners in energy quiz and essay writing are presented with LED lamps. Valedictory session concluded with vote of thanks by another coordinator of ESC Mr. C Harish in afternoon. NECW celebrations concluded with National Anthem.

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
Nil	Nil	Nil	Nil	Nil	NA	NA	Nil
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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Code of conduct for students	12/07/2018	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
Ethics in Civil Engineering during Sudhee-Civilizations 2018	28/09/2018	29/09/2018	80
Faculty Development Programme, In-House Training Centre, CBIT	26/11/2018	30/11/2018	74
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Plantation drive in the campus during the first year induction programme September 2018. 2. Distribution of eco friendly Ganesha's by Street Cause CBIT on the occasion of Ganesh Chaturthi. 3. Development and presentation of Innovative Technologies for Waste Recycling Energy Conservation etc. 4. Competitions regarding Water Conservation 5. Cleanliness drive in hostels 6. Competition 'Best out of waste' 7. Organization of special drive on water conservation 8. CHAITANYA PARIVRITA

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Strengthening of Teaching Learning Process by "Self learning" through Online resources. The institute believes that its strength lies with empowering and encompassing its Teaching Learning processes. As part of this, the institute focussed on self learning processes through online resources in accordance with the emerging technologies and dynamic changes with the society and needs of the stake holders of Higher Educational Institutions. The Self-learning through online resources is accomplished by using emerging technologies and relevant practices contributing towards strengthening Teaching Learning Processes of an Institute. For the Academic year 2018-19,195 registrations have been made and 142 have got certified. 2. Students Mentoring System Mentoring is a partnership between Mentor and Mentee. Mentors are student-centric teacher- friends who help young adult learners in their transitory phases and challenging times. It is based on mutual trust and respect. It has been introduced for obtaining a holistic assessment of the learners' performance and providing inclusive spaces for growth and development. Mentors apply their guidance, experience and expertise in promoting their mentees professionally and personally, through interpersonal engagement. 3. Implementation of AICTE Model Curriculum in practice along with the provision for UG students to earn Minor Engineering and Honours.

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/wp-content/uploads/2019/04/CBIT-Best-Practices.pdf>

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 2019. The Institute, committed to Education and Innovation, started with three-Degree Courses in Engineering for 200 Students and over the 40 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 ExtraCurricular 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 and entrepreneurs 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 Stateof - the Art Laboratories, spacious Library with Printed and Digital Collection of Books and Journals, Sports, Hostel, and other Infrastructural facilities 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 the field of technical higher education.

Provide the weblink of the institution

<https://www.cbit.ac.in/>

8.Future Plans of Actions for Next Academic Year

1. Strengthening of Infra Structure and Facilities. 2. To obtain additional intake in B.E. IT Program. 3. To conduct Research Day by showcasing Research activities. 4. Motivating and encouraging faculty members to apply for more Research projects and Technical Faculty Development Programs. 5. Strengthening of Incubation and Entrepreneurial activities. 6. To strive for more placements in core areas. 7. To increase the usage of ICT based Teaching Learning Processes. 8. Strengthening of Student Internships.