



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY
Name of the head of the Institution	Sreenivasula Reddy
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08564-278000
Mobile no.	7799344443
Registered Email	cbitpdtr@gmail.com
Alternate Email	seenu.gurrumpati@gmail.com
Address	VIDYA NAGAR, PRODDATUR, YSR KADAPA(Dist.), ANDHRA PRADESH-516 360. INDIA.
City/Town	PRODATTUR
State/UT	Andhra Pradesh

Pincode	516360																		
<b>2. Institutional Status</b>																			
Affiliated / Constituent	Affiliated																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	private																		
Name of the IQAC co-ordinator/Director	Dr .R. Saravanan																		
Phone no/Alternate Phone no.	08562278000																		
Mobile no.	9976592943																		
Registered Email	saravan_tanj@yahoo.co.in																		
Alternate Email	saravaneetanj@gmail.com																		
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)	<a href="http://www.cbit.edu.in/">http://www.cbit.edu.in/</a>																		
<b>4. Whether Academic Calendar prepared during the year</b>	No																		
<b>5. Accrediation Details</b>																			
<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>2.43</td> <td>2015</td> <td>03-Mar-2015</td> <td>02-Feb-2020</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B	2.43	2015	03-Mar-2015	02-Feb-2020
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	B	2.43	2015	03-Mar-2015	02-Feb-2020														
<b>6. Date of Establishment of IQAC</b>	29-Jun-2015																		
<b>7. Internal Quality Assurance System</b>																			
<table border="1"> <thead> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by IQAC</th> <th>Date &amp; Duration</th> <th>Number of participants/ beneficiaries</th> </tr> </thead> <tbody> <tr> <td>Embedded System Workshop</td> <td>16-Aug-2018 2</td> <td>45</td> </tr> <tr> <td>NBA Compliance Committee</td> <td>24-May-2019</td> <td>20</td> </tr> </tbody> </table>						Quality initiatives by IQAC during the year for promoting quality culture			Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries	Embedded System Workshop	16-Aug-2018 2	45	NBA Compliance Committee	24-May-2019	20		
Quality initiatives by IQAC during the year for promoting quality culture																			
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries																	
Embedded System Workshop	16-Aug-2018 2	45																	
NBA Compliance Committee	24-May-2019	20																	

Visit	1	
Meeting related to preparation of Proposals for AICTE Grants	04-Dec-2018 1	12
Meeting related to preparation of Proposals for AICTE Grants	12-Jun-2019 1	12
Bridge Course conducted for first year students	12-Mar-2019 2	60
Effective Counselling and Mentoring for all students	19-Dec-2019 1	45
Regular Meeting of IQAC	20-Jun-2018 1	17
Academic Auditing- Semester wise	05-Dec-2018 2	12
Use of ICT tools in Teaching	29-Jan-2019 2	25
Mathematical operations using SCI Lab	11-Feb-2019 2	60

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**8. Provide the list of funds 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
Nil	0	Nil	2019 0	0
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View Link](#)

**10. Number of IQAC meetings held during the year :**

2

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 Uploaded File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
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**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

1. Academic Auditing verification of course files after completion of the semester by internal team that includes verifications of teaching learning activities as per the course plan. 2. Impact analysis of use of ICT tools in Teaching -Learning process. 3. Conduct of Various faculty workshop on SCI Lab 4. Improvement of Pass percentage By taking special class by course handlers for slow learners. 5. Effective conduct of 1 week bridge course for first year students. 6. Conduct of 1 day workshop on effective student mentoring. 7. Review of internal assessment questions based on Blooms Taxonomy. 8. Writing course outcomes for all the courses in R15 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	Achievements/Outcomes
Academic Auditing	1. Academic Auditing All the course files for the academic year 20182019 are verified by internal team.
Use of ICT tools in Teaching -Learning	2. Impact analysis of use of ICT tools have been analysed with help of course performance.
Conduct of Experts Lecturers / Workshop.	3. Faculty workshop conducted, 70 faculties are benefitted.
Strategies for Improvement of pass percentage	4. Impact of special class on Pass percentage improvement has been analysed.
Conduct of Bridge Course for first year students	5. All the first year students are attended the bridge courses.
Counselling and Mentoring for all students	6. All the faculty members are know about the student mentoring.
Bloom taxonomy based assessment for internal examination.	7. All the internal assessment questions are reviewed and action to be taken for the further improvement is analysed.
Learning Outcomes for theory and practical courses	8. Course outcomes are articulated for all the courses in R15 curriculum
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
IQAC	18-Jun-2018
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	2018
Date of Submission	28-Dec-2018
17. Does the Institution have Management Information System ?	No

### Part B

#### CRITERION I – CURRICULAR ASPECTS

##### 1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Response: The institution ensures effective curriculum delivery through systematic action plans, JNTU academic calendar, CBIT policies and documented process. The University almost ensures that the curriculum framed will meet the Industry expectations at that time. Faculty members are encouraged to impart the curriculum through innovative teaching methods such as video animations, simulations, assignments, discussions, augmentation courses, workshops, industrial visits. Process for effective curriculum delivery: The College has strategized ways and means to strengthen the teaching-learning process in the following ways: 1. Formulation of objective driven teaching plan at the beginning of the semester 2. Preparation of adequate learning materials (resources) Updated library facilities with e-journals Maintenance of course files by all faculty members which contains course plan, notes of lesson, question bank and performance details of the students. 3. Adopting new and innovative teaching techniques, in addition to the traditional lecture methods to get the students actively involved in the teaching learning processes. 4. The students are allowed to discuss, deliberate and innovate upon the ideas within themselves and also with the staff members. 5. Organizing suitable invited guest lectures by industry personnel and industrial visits to improve the effectiveness of implementation of the curriculum. 6. Entrusting the teaching faculty with the task of mentoring 20 students on academic and personal issues, thereby strengthening the bond between teachers and students, leading to a better learning atmosphere. 7. The Head of the department and the Principal do a periodical review of the portions covered by the staff members and also the student's attendance. 8. Faculty members also refer to the previous JNTU, CBIT MID exam question papers and results of respective subjects to understand the performances of previous students. They also discuss with previous assigned faculty to get an idea about the focus of the subject.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
Python Programming	-	10/06/2019	12	Employability	Python Programming
MATLAB SIMULINK	-	04/06/2019	14	Employability	MATLAB SIMULINK
Fundamentals of Python	-	01/06/2019	15	Employability	Fundamentals of Python
E-Tabs	-	11/12/2018	11	Employability	E-Tabs
Entrepreneurship	-	07/05/2018	21	Entrepreneurship	Entrepreneurship
Entrepreneurship	-	05/03/2018	21	Entrepreneurship	Entrepreneurship

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
MBA	MBA	14/08/2017
BTech	CSE	06/07/2019
BTech	Mechanical	06/07/2019
BTech	ECE	06/07/2019
BTech	EEE	05/07/2019
BTech	Civil	05/07/2019
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### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	CE	06/06/2018
BTech	EEE	06/06/2018
BTech	ECE	06/06/2018
BTech	CSE	06/06/2018
MBA	MBA	20/08/2018

### 1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	1475	0

## 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
NPTEL	12/02/2019	48

Python Programming	10/06/2019	264
MATLAB SIMULINK	04/06/2019	149
Fundamentals of Python	01/06/2019	346
E-Tabs	11/12/2018	197
Entrepreneurship	07/05/2018	157
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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
BTech	CSE	61
BTech	Civil	66
BTech	ECE	107
BTech	Mechanical	20
BTech	EEE	87
MBA	MBA	48
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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
<p>A structured proforma consisting of important parameters pertaining to teaching learning process has been designed for the purpose of collecting students feedback. The responses are subject to Electronic Data Processing and the results are analysed by the HoDs and the Principal, and the feedback is communicated to the faculty members concerned wherever necessary, for their improvement. Student's feedback on value added programme conducted (for example guest lectures, seminars, employability camp, etc.) is obtained by distributing a questionnaire at the end of the event. The Director, Training and Placement Cell in co-ordination with the faculty members in charge from each Department have been involved in collecting feedback from alumni and employer. Feedback is collected from the parents during the parents meeting. The faculty is collected about the course is collected after the completion of each semester. Faculty feedback is used for changing a teaching learning methodologies next offering of the course.</p>

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the	Programme	Number of seats	Number of	Students Enrolled
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Programme	Specialization	available	Application received	
BTech	CE	72	75	75
BTech	EEE	144	98	98
BTech	ECE	144	127	127
BTech	ME	72	59	59
BTech	CSE	144	118	118
MBA	MBA	60	52	52
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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	122	0	3	0	3

## 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
126	86	20	15	2	2

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

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

In order to resolve day to day academic problems of the students, mentors are appointed for a batch of 15 students, and they will counsel the respective students once in a week, to solve the problems come across during their course of study. This is a continuous process till the end of academic career of the student. During the last semester of study students are advised for higher studies along with proper career guidance. Reasonable numbers of students have secured admissions for their higher studies and they in turn guide their juniors for their prospective admissions Goal: ? To monitor the students regularity discipline ? To enable the parents to know about the performance regularity of their wards. ? Improvement of teacher-student relationship ? Counselling students for solving their problems and provide confidence to improve their quality of life. ? Guiding students to choose right career path for job, higher studies, Entrepreneurship, etc. ? Creation of a better environment in college, where students can approach teachers for both educational and personal guidance. ? Enhancement of knowledge base for both teachers and students alike, due to effective two-way communication. ? Awareness and support to students for GATE, GRE, CAT, ISRO, SAIL, NAL, HAL, NTPC, BSNL, DRDO, BARC, and other Govt. PSUs examinations. ? ? Motivation for higher studies and entrepreneurship. ? Advice and support for improvement in academic performance. Ongoing process: ? Regular meetings are held between mentor and mentee. ? A separate detail is maintained for each student. ? Students are allowed to approach the mentor for both academic personal problems. ? Personalized professional /career advice is given to the mentee. The Practice : ? The teacher takes students attendance in every class during the first five minutes and after the class enters the list of absentees in the Academic Activity Register (AAR) and absentees information will be posted to head of the department as well as to the parents every day. ? If a student is absent for more than ten days continuously then HOD calls the parents of a student, enquires the reason and advises them to take care of their ward. ? Even after informing student's parents, HOD forwards the details of a student to the Principal for further action. ? Every section has two mentors and each mentor will get 15 students. ? The Mentors prepare the



monthly attendance of every student for each section and send the information to the parents of defaulters through proper channel. Outcomes of the system : ? The attendance percentage of the students has increased to a greater extent. ? The number of detainment of students has decreased consistently. ? In course of direct communication between mentor and the student there was a good improvement in the teacher-student relationship.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1435	118	1:12

## 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
126	95	31	31	0

### 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	V.VENKATA RAMANA	Associate Professor	Ph.D
2019	A.V.SUDHAKAR REDDY	Associate Professor	Ph.D
2019	P.SHABANA BEE	Assistant Professor	Young Women Educator And Researcher
2018	R.Saravanan	Professor	Ph.D

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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
BTech	CE	II/I	02/06/2018	25/09/2018
BTech	CE	II/II	06/06/2018	04/09/2018
BTech	CE	II/III	06/06/2018	26/07/2018
BTech	CE	II/IV	23/04/2018	23/06/2018
BTech	EEE	II/I	02/06/2018	25/09/2018
BTech	EEE	II/II	06/06/2018	04/09/2018
BTech	EEE	II/III	06/06/2018	26/07/2018
BTech	EEE	II/IV	23/04/2018	23/06/2018
BTech	ECE	II/I	02/06/2018	25/09/2018
BTech	ECE	II/II	06/06/2018	04/09/2018

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

In our college a common question paper template is followed. It consists of questions , CO address and corresponding blooms taxonomy level. Controller of Examiner schedules the assessments test in advance to the faculty members so that question papers can be prepared and submitted to the same in advance. Faculty members will submit the question paper to HOD in the required format by suitably covering the CO's and Knowledge levels based on blooms taxonomy To ensure the coverage of CO's and knowledge levels HOD will review the questions and it will be submitted to exam cell. Model Examination of Labs is also conducted at the end of the every semester. Correction of papers are done in a separate hall and then HODs randomly go through the exam paper of the students for effective process Corrected answer papers is distributed to the students with scheme and will ask them for any correction errors and suitably rectified.

Assignment will be given to the students for only in higher level CO's.

Projects work assessment: The project work starts during end of seventh semester. Senior faculty members, HOD and Project Coordinators select one project for each group considering the quality, relevance, University norms.

Projects are selected in line with Department mission, vision, PEO, PO and PSOs. Students submit 3-5 project abstracts to the department project coordinator along with their project group members and area of interest. The list of previous year projects is displayed in the notice board which ensures no repetition of project work and also encourages students to enhance the previous works. Faculty members encourage students to do in house projects.

They will be provided with necessary hardware and software support. The project assessment is done through: Four Internal project reviews Final external university project review We also encourage them to display their projects in Department Lab. Students are also encouraged to present their project ideas in conferences and also publish papers in Journals.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The Academic Calendar, a part of the College Hand book. It includes the dates of re-opening, bridge course, orientation course, commencement of internal tests, commencement of semester examinations, important functions of the college and Government, local and institutional holidays etc The University prepares academic calendar before the commencement of each semester and publish in the University website. Based on the academic calendar prepared by the university, institutes prepares an institutional level academic calendar for the smooth functioning of academic as well as extracurricular activities planned in the current semester. This displays in the notice board of all departments. The academic calendar highlights the course registration and enrolment details. Each subject teachers prepare their own course material based on the prescribed syllabus given by the university, which distributes to the students for reference. The examination committee meets periodically to discuss all the examination related matters. At institute level, effective implementation of tutorial and Class test /unit test/prelim take place and results are declared within eight days. Schedules for the supplementary examinations and result declaration dates will be included in the calendar. The students can see their evaluated answer sheets and discuss the same with concerned faculty. The Principal, CEO, Academic coordinator, HOD and examination coordinators of departments make sure that

- Completion of term work
- Conduction of mock practical and theory examinations
- Submission of term work marks based on continuous evaluation scheme

1.Academic calendar committee will prepare the academics calendar considering university guidelines for each semester 2.Academic calendar will indicates Mid Exam schedule ,

student activities , holidays, project review, end semester examination , span of academic activities 3.Academic calendar will be approved by committee consists of Hod's and principal 4.The approved academic calendar is circulated for all the faculty and staff

## 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)

<http://cbit.edu.in/wp-content/uploads/2021/03/2.6.2.pdf>

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
04	BTech	ECE	105	64	60.95
02	BTech	EEE	87	82	94.15
01	BTech	CE	67	45	67.16
05	BTech	CSE	81	63	77.78
1E	MBA	MBA	60	54	90

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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)

<http://www.cbit.edu.in/page.php?menu=igac&slug=igac-naac>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

3.1.1 – 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
Minor Projects	365	UGC	120000	65000

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### 3.2 – Innovation Ecosystem

3.2.1 – 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
WORKSHOP ON EDC , ENTREPRENEURSHIP , INNOVATIONS START -UPS		28/07/2018
ATTENDED E-CELL IIT MEGATHON 2018	MBA	29/09/2018
CBIT COMMUNICATION- EMINENT PERSONALITIES TP CBIT CAMPUS	Electrical and Electronics Engineering	28/12/2018

### 3.2.2 – 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
Institution Innovation	ATAL	AIIRA, Govt. of India	15/03/2019	ATAL Ranking
International Climate Action	IARF, Supported by Science Centre	IARF, Supported by Science Centre	14/05/2019	Implementation of Climate Action

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### 3.2.3 – 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
CBIT	Synthesis and biological activity of new oxygen hetero cycle some chromo and its derivatives.	UGC	Synthesis and biological activity of new oxygen hetero cycle some chromo and its derivatives.	Synthesis and biological activity of new oxygen hetero cycle some chromo and its derivatives.	16/10/2018

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## 3.3 – Research Publications and Awards

### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
2	2	0

### 3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
EEE	1
CSE	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	EEE	5	6.6
International	ECE	15	0
International	ME	7	0
International	CSE	8	3.14

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### 3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
HS	2
MBA	1

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3.3.5 – 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
A detailed study of flexible pavement by CBR method	L. Pavan Kumar	International journal of research and analytical reviews	2018	0	Yes	0
An experimental study on flyash bricks	Subha Kesavulu. A	Journal of Emerging Technologies and Innovative Research	2019	0	Yes	0

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3.3.6 – 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
A detailed study of flexible pavement by CBR method	C. Chinna Suresh Babu	International journal of research and analytical reviews	2018	0	0	Yes
An experimental study on papercrete bricks.	C. Chinna Suresh Babu	Journal of Emerging Technologies and Innovative Research	2019	0	0	Yes
Design and Analysis of U shaped commercial building using staad.pro	S.Mahaboob Basha	International Journal of Research	2018	0	0	Yes

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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	31	0	0	0
Presented papers	8	0	0	0
Resource persons	0	0	0	0

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**3.4 – Extension Activities**

3.4.1 – 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
NSS Volunteers Issued Blankets To Old Age Homes	NSS "CBIT" Volunteers	1	100
Shramaadan Programme	NSS "CBIT" Collaborated with volunteers	1	30
Yoga Day An Awareness Programme	NSS "CBIT" Campus	1	150
International Women's Day	NSS "CBIT" Collaborated with "INNER WHEEL WELFARE ASSOCIATION"	1	400
Organ Donation Awareness Programme	NSS "CBIT" Collaborated with Cardio specialist from Care Hospital.	1	200
Blood Donation Camp	NSS "CBIT" Collaborated with "HDFC" bank On the eve of bankers' day	1	70
Blood grouping programme	NSS "CBIT" Collaborated with Red Cross Society	1	340
Tree Plantation Programme	NSS "CBIT" Volunteers planted 150 samples of trees	1	50
Blood Donation Programme	NSS "CBIT" Collaborated with "Government General Hospital"	1	130

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3.4.2 – 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
Patriotic Poem	First prize in NSS District Level youth festival	Vaagdevi institute of technology and science	1
Patriotic Poem	First prize in UNIVERSITY level "NSS YOUTH FESTIVEAL	JNTU Ananthapur university	1
<a href="#">View File</a>			

3.4.3 – 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
NSS	CBIT	Swachh Bharat	5	150
NSS	CBIT	Swachh Bharat	6	200
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### 3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Academics	Students	CBIT Sai Electricals	7
Academics	Students	TRY Logic	30
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3.5.2 – 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
Internship	Internship	TRILOGIC Solutions	01/10/2018	11/10/2018	24
<a href="#">View File</a>					

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Wolkite University, Ethiopia	07/05/2019	Academics	25

Tata Consultancy Services	30/10/2018	Academics	40
AIC-SKU Confederation, Sri Krishnadevaraya University Campus, Anantapur	09/10/2018	Research	20
Shirdi Sai Electricals Limited, Kadapa.	10/09/2018	Academics	60
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## 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
44	43.9

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Others	Existing
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
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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 partially)	Version	Year of automation
ECAP	Fully	3.0	2013

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	19786	5622919	400	172019	20186	5794938



Reference Books	1949	5622919	11	172019	1960	5794938
e-Books	3184	0	3184	0	6368	0
Journals	487	669682	0	0	487	669682
e-Journals	15467	1308282	1737	16500	17204	1324782
Digital Database	12	0	0	0	12	0
CD & Video	2275	0	161	0	2436	0
Library Automation	1	55000	1	13570	2	68570
Weeding (hard & soft)	0	0	0	0	0	0
Others(s pecify)	0	0	0	0	0	0

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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
Nil	Nil	Nil	Nil

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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	340	6	59	1	6	5	7	50	0
Added	0	0	0	0	0	0	0	0	0
Total	340	6	59	1	6	5	7	50	0

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

50 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
Nil	Nil

#### 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
205	77.1	335	125

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, provide link)

Civil Infrastructure Maintenance Adequate Human resources are appointed exclusively for maintenance and upkeep of campus infrastructure. A maintenance supervisor and maintenance assistances (electrician and plumber) assist in upkeep and maintenance of infrastructure facilities. These personnel are available 24 X 7 to monitor the maintenance. The cleanliness of the campus and the hostels is out-sourced to a contractor who reports to the supervisor. The institute outsources the maintenances of infrastructure facilities. Following is the list of Annual maintenance contracts. Annual Pest Control Service Contract • Fire Systems Maintenance • UPS • Water Tank Cleaning • Drinking Water Testing Provision of adequate infrastructural facilities for teaching and learning has always been a priority area for the Institute. The Institute abides by the norms provided by AICTE and Jawaharlal Nehru Technological University, Anantapur (JNTUA) to provide and enhance the infrastructure required to facilitate effective teaching and learning. The Institute has a total land area which is constructed with robust structures for various academic purposes. Maintenance of Equipment Computing Facilities: The institute has dedicated staffs that overlook the maintenance upkeep of equipment computing facilities of the institution. All the standalone and dedicated computers and network systems connecting these computers are taken care of by the respective departments, system department and technical assistants. All the electrical and electronics equipment deployed in different positions in institute are looked after by the team of electrical maintenance staff consisting of electricians and engineers. Routine computer maintenance, software installations, networking are handled by respective Department. Anti-virus software is purchased and is renewed annually for the smooth working of all the computers in the institute. Classrooms 1. Each class room is designed maintained as per AICTE norms with respect to carpet area, lighting, ventilation furniture to have a conducive ambiance. 2. All the classrooms are provided with LCD projectors and campus wide Wi-Fi facility. 3. Institution has two spacious seminar halls and an auditorium with state-of-the-art facilities. 4. The Imparts lecture capture solution facilitates record of every lecture delivered by the faculty which can be viewed by the students any number of times at a later time. This helps slow learners to understand the difficult concepts at their own pace. This also facilitates introduction of flipped classroom teaching where there is only learning in the class room with little teaching. Laboratories 1. Each lab/workshop with appropriate layout is designed maintained as per AICTE norms with respect to carpet area, lighting, ventilation furniture to have a conducive ambiance practical exposure. 2. Laboratories are well equipped with adequate number of experimental set-ups, computers peripherals. Qualified lab instructor/Mechanic is allotted for all the lab batches for its smooth functioning. 3. Special care is taken to ensure that the students conduct all the experiments as per the University syllabus. A few experiments beyond the curriculum are also conducted.

<https://cbit.edu.in/page.php?menu=iqac&slug=iqac-naac>

## **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	Scholarship	253	641000
Financial Support from Other Sources			
a) National	--	1091	47146000
b) International	--	0	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 implementation	Number of students enrolled	Agencies involved
SCI Lab	29/01/2019	52	Andhra Pradesh State Skill development Corporation
Andhra Pradesh State Skill development Corporation	16/08/2018	45	Andhra Pradesh State Skill development Corporation
Mathematical operations using SCI Lab	11/02/2019	90	Andhra Pradesh State Skill development Corporation
1st Year Training	18/03/2019	421	FACE, Coimbatore
Infosys Company Specific Training	26/12/2019	74	TALENTIO
WIPRO Company Specific Training	29/01/2019	83	FACE, Coimbatore
TCS Ninja Company Specific Training	18/08/2018	110	FACE, Coimbatore
Revit Architecture Workshop	26/12/2018	59	Andhra Pradesh State skill Development Corporation
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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	CBIT	66	2844	3	112
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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
0	0	0

## 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
GAR Technologies	85	15	COGNIZANT	95	3
<a href="#">View File</a>					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
Nil	0	Nil	Nil	Nil	Nil
No file uploaded.					

### 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	0
SET	0
SLET	0
GATE	1
GMAT	0
CAT	0
GRE	0
Civil Services	0
TOFEL	0
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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
Archery National Meet (under 14,17Boys Girls)	National	336
JNTUA Intercollegiate Tournament	University	1200
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## 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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Gold Medal	National	1	1	162P1A0546	G.Adilakshmi
2018	Gold Medal	National	1	1	172P1A0506	A.Sushmita
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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)

Every year, a Student council is formed comprising of one student representative from each Department. From the council framed one student is being selected as Student Chairman every year. The student council plays a vital role in Departmental activities such as organizing department events, seminars, conferences and workshops. The council members and all the other students deliberately involve in their Department newsletter preparation and in editorial committee. The student representatives also participate in the preparation of college calendar every year to plan college activities Department wise. Especially Department events are completely planned, organized and conducted by the students under the supervision of the faculty. The goal of the student council is to provide a common platform to students for co-curricular and extra-curricular activities. ANTI-RAGGING COMMITTEE Institution imparting technical education shall constitute a Committee to be known as the Anti-ragging Committee to be nominated and headed by the Head of the Institution, and consisting of representatives of civil and police administration, local media, Non-Government Organizations involved in youth activities, representatives of faculty members, representatives of parents, representatives of students belonging to the fresher's category as well as senior students, non-teaching staff and shall have a diverse mix of membership in terms of level as well as gender. The anti-ragging committee of CBIT is constituted as per the guidelines of All India Council for Technical Education. The following is the composition of the committee. ? All Head of the Departments ? Hostel chief warden ? Student coordinators ? Inspector of Police The awards and punishments are affected as per the guidelines of AICTE, Government orders and judgments given by courts of India from time to time. ANTI-SEXUAL HARASSMENT COMMITTEE The College has constituted anti-sexual harassment committee comprising of senior faculty members and students for preventing any act of sexual harassment. STUDENT GRIEVANCE REDRESSAL COMMITTEE A redressal committee functions in the institution. Following are the functions of redressal committee, ? To receive the grievance in person. ? To analyze and examine the nature of grievance. ? To deliberate with the members of committee and call for remarks if necessary ? To resolve the issues impartially ? IQAC

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

20

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

125200

5.4.4 – Meetings/activities organized by Alumni Association :

1

**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)

VISION: To impart futuristic Technical Education, advance knowledge, research and instill high pattern of discipline that will best serve the nation and the world in the contemporary century. MISSION: Committed in creating and disseminating knowledge, to the students hailing from both, rural and urban areas of Andhra Pradesh and from other parts of India. Endeavors to develop in each student, the ability and passion to work creatively with relevance to real-world problems. Provides world-class, quality education and gives importance for discipline, ethics and character building. Institute is established with an aim of providing quality higher education at par with international standards. The members of the society comprising of experienced persons from the field of education, engineering , medicine, business etc who have proven track records by the establishment of different engineering colleges in Andhra Pradesh.

Nature of Governance: The institution is recognized by All India Council for Technical Education, approved by Government of Andhra Pradesh affiliated to JNTUA . The Governance of the institution is strictly in accordance with the Vision and Mission. The system is effectively decentralized for a better governance and performance. The major decisions which have a bearing on the function and the goal of the college are done by the Governing Council which includes the Chairman of the institution. The staff council of the college headed by the Principal, Vice Principal, and all the HOD as members ensures the proper implementation of the decisions and directions given. The Management gives sufficient freedom to the Principal, who is the academic head of the institution to function in order to fulfil the vision and mission of the institution. HOD is delegated with department level authority. The responsibilities are communicated to the faculty members through regular staff meetings. The office administration of the College is headed by the Registrar under whom there are Office Superintendents. The Institute has a perspective plan for development. It is developed by Principal with the help of HOD's of various departments under the guidance of Governing Council. Based on the academic schedule given by the affiliating university, academic calendar is prepared. The academic calendar includes the list of pre-planned programs of various departments and examination schedules prepared with the knowledge of HOD's. To ensure development of the Institute, all the planning and execution is monitored regularly. The perspective plan helps to Streamline various processes like evaluating methodologies of the teaching-learning process, research progress, infrastructure facilities etc. Thus, decentralization helps in effective and quality transformation of education to the students. The participative culture helps to ensure transparency in both academic and administration. The object of participative management and decentralization is evident from the various programs organized in the college

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

No

**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
---------------	---------

## Teaching and Learning

? Teaching and Learning • College arranges several of experiential and participative learning activities to broaden the scope of education imparted to the valuable students. Considering student as an important stakeholder of the Institute, various activities are conducted by the Institute during the semester • In addition to traditional teaching-learning methodologies, the Faculty members adopt group discussions, relevant videos, seminars, mini projects, case studies, PPTs, real time examples, simulations, quizzes, depending on the course that create the best student centric learning environment. • Lab sessions help in experimental learning and permit the students to widen their knowledge and skills. Experiential learning is ensured through individual or group projects. • Standard and probable Viva questions for all the experiments are prepared and maintained in the course file • Faculty members apply teaching methods such as group discussions, seminars/ student presentation for better understanding of concepts/ technologies Tutorial classes are conducted which supplement regular teaching learning process. • Multimedia teaching like PPTs are incorporated in the day-to-day teaching learning process that enhances the students' understanding of the subject. Competitive and Team Spirits are developed through group discussions, debates and panel discussions. • Lectures by experts are organized by the respective departments, to provide knowledge beyond the prescribed syllabus. Students are encouraged to organize and to participate in Inter-collegiate events, project. • Industrial visits and value added courses are arranged to give hands-on experience to the students. Our campus is enabled with Wi-Fi facility that allows students to access technical resources. • In addition to academics, to be a socially responsible citizen, our college encourages the students to participate in NSS activities with equal enthusiasm to develop their overall personality. • The college has a central library well equipped with books e-books, technical magazines, journals e-journals. • Easy access is



made available for students to some of key books providing them in departmental library.

Industry Interaction / Collaboration

? Industry Interaction / Collaboration OBJECTIVES: 1. To evolve industry co-created curriculum 2. To enhance industrial consultancy and testing 3. To increase the number of patents filed and incubations. 4. To increase internship and placement in domain companies DEVELOPMENT OF ACTION PLAN 1. Interaction between Faculty and Industrial personnel 2. Internal, discussions with suppliers to meet industrial needs 3. Understanding the procedure for patenting and incubation 4. Discussion with Alumni, industry and faculty 5. Discussion between industry Industry Interaction cell, Placement officer, faculty, alumni and students.

Examination and Evaluation

? Examination and Evaluation • The institution continuously monitors the changes that are happening at the university level and makes appropriate effective changes in the internal evaluation system as demonstrated below with each scheme change for UG programs and the same procedure is adopted for PG programs. All the changes are informed to the students through interactions circulars with utmost transparency. • University guidelines are strictly adhered to with respect to evaluation process. There are two (MID I and MID II) internal tests conducted. The schedules of internal assessments are communicated to students and faculty in the beginning of the semester through institute academic calendar which is prepared based on the university academic calendar. Before a week internal exam time table is displayed on the notice board. • Questions are framed, such that they adhere to JNTUA standard. It follows the Blooms Taxonomy and Outcome based Education in which COs are attained. • There are 5 Course Outcomes (COs) for each subject. The first internal test question paper is prepared in which it covers two COs, second internal test covers another three COs. • The subject handling faculty prepares question bank that covers equal number of questions from each unit, covering all the topics Department internal exam coordinator under the guidance of HOD, checks for



the standard of the question bank. • College Internal exam Coordinator along with a Exam team selects the final internal questions for each subject from the question bank • Question papers are given to the internal exam coordinators of the department on the day of test, after approval from the Principal. Internal exam coordinator ensures smooth conduction of test and proper valuation of internal books. • After the evaluation, Course Outcome attainment is calculated. Based on the attainment, GAP is found and corrective actions are taken. • Whenever class tests, internal assessment tests are conducted the results of the students performance are used by the faculty to identify slow and advanced learners.

Research and Development

? Research and Development ? With a vision to nurture new ventures in the ever developing areas of Electrical, Electronics and Communication, Computer Science, Civil and mechanical Engineering, we at CBIT have started an Incubation Centre. Focusing on providing support to the many companies (start-ups and/or well established), the centre mainly aims at fostering innovative research and entrepreneurial activities in the above mentioned technological and engineering based areas. Providing a suitable platform for enthusiastic entrepreneurs, the centre helps convert their inventive ideas into high quality student projects. ? The Institution has well-equipped laboratories to cater to the needs of students to nurture them towards research. The Institute has established Research and Development, (RD) Cell for monitoring research activities. RD Cell encourages faculty members to submit research proposals to various Governmental and non-Governmental sponsored projects. A Training and Placement Cell of the Institute with a dedicated team focus on bridging the gap between the industry and academia. ? The programs under this incubation centre are mainly divided into three categories: ? Mentoring ? The mentoring cell supports and encourages the students to maximize their learning potential. They are individually motivated to develop their personal skills. ? Entrepreneurial Promotion /Awareness Programs ? This

set up introduces young budding dreamers to entrepreneurship. Enhancing their creativity, innovation and self-confidence, the endeavours they undertake are encouraged. ? Technical Training ? Technical training includes technology applications, products, sales, service tactics and more. These technical skills are very job-specific and are transferable unlike soft skills. As a result, students become independent and eligible for formal funding support. ? IEEE Chapter: IEEE is the world's largest professional association dedicated to advancement of technological innovation for the benefit of humanity. IEEE and its members inspire a global community through its highly cited publications, conferences, technology standards, and professional and educational activities. ? Creation and transfer of knowledge wealth is focused through activities like, publications of research papers, Industrial project work, innovation, consultancy and development activities Financial assistance is given to faculties and students for research publications.

Curriculum Development

Response: The curriculum has integrated the cross cutting issues such as gender, environment and sustainability, human values and professional ethics through the courses in B.Tech level. The institution takes proactive measures that help in creating social awareness on issues relevant to gender, environment and sustainability, human values and professional ethics through the following activities: Gender: Under this compulsory course, students are informed about the legally enforced gender equality policies that are mandated in all work places. The students are acquainted with the concepts of feminist relationships, responsibilities and gender identities. The growing importance of gender equality is communicated effectively to the students through this course. Gender equity is attained by conducting programs like seminars, debates, group discussions for both boys and girls on a single platform. Celebrations: Various activities are conducted regularly by the students as well as faculty without any gender

discrimination. For example, women's day celebration, national festivals are celebrated by one and all. Environment Sustainability: All the students of engineering study Environmental Science in the first year where they are made to understand the importance of environment, ecological balance, sustainability and applicable laws rules. The College conducts neighbourhood community activities through NSS dept. The extension activities organized by the College enhance the students' academic learning experiences and inculcate the values and skills in them. The impact of the programme is listed below:

- Through these activities the students get socialized and learn to think beyond individual interests and for social welfare.
- Teamwork, Leadership Skills, Effective Communication Skills, and Effective Decision Making are just a few things students learn while participating and organizing various Projects and programmes under extension activities.
- The Extension activity also inculcates value of male -female equality, humanity and notion of equal rights. This is done by giving them a complete understanding of our ecosystems, natural resources, bio diversity, biotic resources, pollution due to various factors and its management.

Human Values and Professional Ethics: The courses under the title Human Relations and Professional Ethics have been there in the curriculum of JNTUA. The papers discuss the details on how a professional should behave while he is there with the organization. It also teaches the transition from personal ethics to professional ethics and details about morals and values and how they contribute to professional ethics. These papers also discuss the role of human relations and values as well.

NSS activities: NSS and Red cross youth wing organize a variety of activities with societal concern such as:

- Blood donation camp
- Voting awareness camp
- Marathon
- Yoga
- Helmet awareness week
- Swachha Bharath

Library, ICT and Physical Infrastructure / Instrumentation

? Library, ICT and Physical Infrastructure / Instrumentation ?  
 Provision of adequate infrastructural facilities for teaching and learning

has always been a priority area for the Institute. The Institute abides by the norms provided by AICTE and Jawaharlal Nehru Technological University, Anantapur (JNTUA) to provide and enhance the infrastructure required to facilitate effective teaching and learning. The Institute has a total land area which is constructed with robust structures for various academic purposes. ? Classrooms ? Each class room is designed maintained as per AICTE norms with respect to carpet area, lighting, ventilation furniture to have a conducive ambiance. ? All the classrooms are provided with LCD projectors and campus wide Wi-Fi facility. ? Institution has Two spacious seminar halls and an auditorium with state-of-the-art facilities. ? The Imparts lecture capture solution facilitates record of every lecture delivered by the faculty which can be viewed by the students any number of times at a later time. This helps slow learners to understand the difficult concepts at their own pace. This also facilitates introduction of flipped classroom teaching where there is only learning in the class room with little teaching. ? Laboratories ? Each lab/workshop with appropriate layout is designed maintained as per AICTE norms with respect to carpet area, lighting, ventilation furniture to have a conducive ambiance practical exposure. ? Laboratories are well equipped with adequate number of experimental set-ups, computers peripherals. Qualified lab instructor/Mechanic is allotted for all the lab batches for its smooth functioning. ? Special care is taken to ensure that the students conduct all the experiments as per the University syllabus. A few experiments beyond the curriculum are also conducted. ? CBIT library holds the rich collection of more than -----text books as well as reference books in the domain of engineering, science etc. The library has subscribed to various print journals and E-resources. ? CBIT Central Library also offers various types of information services to its users through the use of group e-mails and social media for instant outreach to the end users. The Institute campus is Wi-Fi enabled and has high speed

	internet connectivity. The IT infrastructure is augmented frequently and is well maintained by technical staff. Adequate Human resources are appointed exclusively for maintenance and upkeep of campus infrastructure.
Human Resource Management	? Human Resource Management The Institute adheres to well defined Human Resource Management policies and procedures. The Institute adopts policies for recruitment, retention and promotions based on the rules and regulations of the regulatory authorities, prevailing norms and merit amongst the available candidates for the positions. The Institute is always concerned about the quality of teaching learning and academic improvement. The Institute is always interested in grooming the human resource for adoption and enhancement in ICT based teaching learning practices and up skilling of the individuals. The Institute is supportive of welfare and well being of the individuals and adopts policies and measures for human resource development. The Institute believes in adopting various quality improvement strategies at various level. HR Manual is being prepared for the entire campus.
Admission of Students	? Admission of Students Admission process is carried out by Andhra Pradesh government Centralised Online Admission System as per policies of the Government for all the Institutes in Andhra Pradesh. The Institute level Quota Admissions are carried out by Management at Institute level as per Merit in the qualifying examination. Admissions are carried out for the registered candidates as per the merit in qualifying examinations at State and National level and their choices about the Institute given to the Online portal. The Institute is choice of Meritorious students in the vicinity as well as at State and National level.

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

E-governance area	Details
Planning and Development	1. The institute has a separate external and Internal Advisory Council consisting of academicians and industry experts. 2. Implemented SMS and Whatsapp system for dissemination of information including regular notice to

all stakeholders. 3. To use ICT in the process of planning college-events and activities, institute uses personal e-mails. 4. Improvement of the Scope and Profile of the Teaching-Learning Experience through greater use of ICT and other innovative means. Achievement of national and international recognition in the form of grants and awards.

Administration

1. The college has Biometric attendance for teaching and non-teaching staff. 2. The college campus is equipped with HikVision's 40 CCTV Cameras installed at various places of need. 3. To surveillance on mobile by Principal , Hikconnect application is available and software is available for surveillance on computer for college Authorities. 4. WhatsApp Group helps to provide the brief notices of any event to be happened on college. 5. WhatsApp Groups are also used for awareness and of smooth functioning of the same. Notice display system for students and other stakeholder.

Finance and Accounts

1. Fully computerised office and accounts section. 2. Maintenance the college accounts through Tally. 3. Salary of faculty members and staff is transferred directly to the bank account.

Student Admission and Support

1. 2 smart classrooms 2. 1 virtual classroom with video conferencing facility. 3. The Student Council liaison between the students and the staff. 4. Academic support is provided to weak students. 5. The Library welcomes students for reference and study. A Department Book Bank is also available. 6. In case of serious illness, students are visited in hospital by staff and companions. So too during bereavement of family members.

Examination

1. Under the CBCS method of examination introduced since 2018 2. The evaluation of the students is a continuous process and is based on their performance in mid-semester examination, end semester examination, tutorials, assignments, laboratory work (if any), make-up examinations (if applicable), etc. 3. The complete transparency will be maintained in evaluation system. The answer scripts

of the final examinations will be shown to the students after marking. All instructors will notify a time for such access within three days of the examination.

### 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	S MAHABOOB BASHA	Effective Teaching and Learning of Flexible Pavement Design	Chaitanya Bharathi Institute of Technology	1500
2018	Mr. Y.PRAVEEN KUMAR REDDY	Skill Development Programme by APSSDC	Chaitanya Bharathi Institute of Technology	1500
2019	Dr.R.Saravanan	Indian Technology Innovation and Entrepreneurshi p Conclave	Chaitanya Bharathi Institute of Technology	1500
2019	S.Sooriyaprabha	Indian Technology Innovation and Entrepreneurshi p Conclave	Chaitanya Bharathi Institute of Technology	1500
2019	Dr.R.Saravanan	ICSSR, Delhi	Chaitanya Bharathi Institute of Technology	10000
2019	S.Sooriyaprabha	ICSSR, Delhi	Chaitanya Bharathi Institute of Technology	10000
2018	Mrs. T UMA MAHESWAR	Recent Trends In Engineering And Management	Chaitanya Bharathi Institute of Technology	1500
2018	Mr J RAJA KULLAYAPPA	Bio-Medical Imaging And Analysis In Deep Learning Techniques	Chaitanya Bharathi Institute of Technology	1500

[View File](#)

6.3.2 – Number of professional development / administrative training programmes organized by the College 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	Personal ity Develo pment Programme	Nil	20/08/2017	Nil	25	Nil
2019	Meet with Industry	Nil	17/03/2018	Nil	25	Nil
<a href="#">View File</a>						

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
FDP	1	17/12/2018	30/12/2018	7
FDP	2	06/07/2018	13/07/2018	7
Remote Sensing GIS	1	02/07/2018	07/07/2018	6
Effective Teaching and Learning of Flexible Pavement Design	4	17/01/2018	21/01/2018	5
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
139	139	51	51

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1	14	2

## 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 an effective mechanism for internal external financial audits. 1. Internal Audit 1. Principal informs all the HODs before March of every financial year to submit budget requirements for the next financial year under specified head of accounts. 2. Principal reviews the previous year budget actual expenses requirements of all the departments in consultation with management, accounts officer and concerned HODs (if required) and prepares a consolidated college budget. 3. The consolidated budget is submitted to the Management for review and suggestions. 4. The fine-tuned budget for the next



financial year is placed before the Board of Directors for discussion, and approval. 5. Principal in consultation with the management reviews the financial status periodically to ensure that the expenses are within the budget allocated and also the amount is utilized within the end of the financial year for the purpose it is allocated. 2. External Audit: Audited financial statements include income and expenditure account, balance sheet prepared by qualified auditors and submitted to banks and other regulatory agencies. Statutory auditing is done at the end of each financial year. In case of checking entries internally on /off chance that any weaknesses found / recognized would be rectified at the same time by the concerned office staff. The report would be put together by inward reviewers and to the higher authorities if there anything is assumed after the amendments. The outside statutory examiners will visit the institution office twice in a year after overseeing Body for endorsement and also for vouching review and presenting the last review report.

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

4400000
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## 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	No	Nil	Yes	CBIT
Administrative	No	Nil	Yes	CBIT

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

1.First Year Meetings: PTA arranged a function to welcome the first year students and their parents on the day of commencement of the first year classes. A well arranged meeting was conducted after Mid -I exams. 2. Counseling for students: Department of Computer Science Engineering conducted a Counseling Session for their wards with the assistance of P.T.A. 3. Merit Evening: PTA in association convened a merit evening program to honor meritorious students of our college. Cash awards were distributed to the students.

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

Personality Development Programme were conducted on 28.08.2018. All the teaching faculty were participated. 2. Industry interaction program were conducted on 17.03.2018 to develop the institute industry interaction

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

The institution follows Outcome Based Education strictly. Every student's individual performance is assessed and teachers are advised to prepare their teaching plans according to the standards and knowledge of the students by the committees that are formed to fulfil this academic aspect. Students are guided by both the teachers and mentors. Entrepreneurship Development Cell

accomplishes relationship between the industry and the institution. It is aimed to interact with all the departments individually to intuit its needs to fill the gap in curriculum. It is executed through conduction of workshops addressed by prominent persons in the industry. It also includes industrial and site visits for students and faculty. Students are constantly guided by the faculty in view of understanding functional challenges through applied research or projects. Some of the students' projects are under taken as case studies in few industries. Training Placement: A dedicated training placement department has seen tremendous growth with respect to the number of effective training programs conducted and corresponding placements in leading companies.

#### 6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
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	MOU	20/06/2018	09/10/2018	09/10/2018	45
2019	MOU	18/12/2018	07/05/2019	07/05/2019	25
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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
Self Defence Workshop For Women	13/03/2019	15/03/2019	30	2

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
Energy conservation - 100 KW, Area -120120 SQ.m2, Number of Inverters (PCU) -4, solar roof top system is installed and started function.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	No	0
Provision for lift	No	0
Ramp/Rails	No	0
Braille Software/facilities	No	0
Rest Rooms	No	0
Scribes for examination	No	0

Special skill development for differently abled students	No	0
Any other similar facility	No	0

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
No Data Entered/Not Applicable !!!							
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
HR Policy	09/07/2019	Bharathi Educational Trust was formed with the objective of foraying into Education field to pioneer the effort of empowering the students of humble background. The Trust felt that the students from the rural society, are often denied a fair share in the economic and career growth that an engineering student from the urban society generally enjoys. The Trust sincerely felt that an engineering institution with a resolve to change the scenario by providing all the guidance and assistance to empower such students to compete with more privileged ones and win would be a real game changer.
Code of Conduct	23/07/2019	Chaitanya Bharathi Institute of Technology is committed to maintain, endorse a culture of conduct that showcases excellence, intellectual openness, inclusiveness, justice, integrity,

fairness, respect, equity and accountability. It expects students to uphold these standards in their day-to-day decisions, actions, and interactions. The code of conduct is necessary to mark the boundaries of this needed order. Students continue to be subject to the laws of the land while at the campus, and violations of those laws may also constitute violations of the code. Students are expected to abide by the Code of Conduct.

Academic Policy	12/06/2018	Policy Statement of Chaitanya Bharathi Institute of Technology strives to achieve academic excellence, by providing quality education through excellent teaching learning activities and research pursuits and the continuous assessment of the academic activities, so as to empower individual students to evolve as self-reliant citizens of the global village who would cater to the human welfare and sustainability.
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7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Womens Day	08/03/2019	08/03/2019	45
<a href="#">View File</a>			

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

Solid waste management We categorize the solid waste: Degradable (Dust, Leaves, twigs, Paper etc.), Non-degradable (Plastic, glass, bottles, food wrappers etc.) The institution takes all the measures that are required to ensure the campus is free of plastic items and other waste that cause damage to the environment. Dustbins are available on the campus, in all departments and in the classrooms. Emptying of the dustbins is being done on a regular basis at 9am to 10am and 4pm everyday by the cleaning team. Segregation of wastage from the dustbins is done in other strategic locations, thus keeping the campus clean and green. The college has rainwater harvesting facility with rain water storage tanks around the building. This structure recharges the groundwater not only for the institution but also in the surrounded areas too. Drain pits are

used to sink the water and recharge the groundwater table.

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

Describe at least two institutional best practices Response: There are many best practices in the Institute that are implemented successfully, continuously improved over the years in the last five years. The two important best practices are Career Guidance Training and Parents Students Teachers Meeting.

**Career Guidance Training:** CBIT offers career guidance on all aspects of career planning, job searching and post-graduate studies for students to help them choose the right career path based on their interests. The Institute works towards enhancing the institutional culture to better serve the needs of an ever-changing and dynamic learning community. The main objective of career guidance is to help students in following aspects.

1. Broad exploration of various career options
2. Pursuing post graduate studies
3. Promote entrepreneurship
4. Encouragement for civil services

These goals are achieved through the following activities of Training and Placement Department.

1. Career Guidance training programs are conducted for students to help them explore various career options
2. Alumni are invited to address students and to guide them through the career options, provide industry insights and to impart knowledge on the current trends and latest technologies
3. Students are trained on communication skills, soft skills, personality development, aptitude skills and technical skills in order to make them confident to face the challenges of the future
4. Resource persons from industries are invited to deliver technical talks and to create awareness about the opportunities in various sectors
5. Students are encouraged to participate in technical contests, carry out project work, undergo internships and also organize various activities to enhance their knowledge through experience
6. Seminars highlighting the importance of higher education and best universities for admission are conducted.
7. Awareness program on civil service is conducted to encourage students to prepare for civil service exams.

**Parents Students Teachers Meeting:**

1. CBIT arranged Parents - teachers meeting in every semester to maintain smooth relation between management and parent sides.
2. Intimate immediate manner student activity in class room, examination results and attendance regularity to parents this helps to improvement of student mentally in home itself.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://www.cbit.edu.in/page.php?menu=igac&slug=igac-naac>

## 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

Response: The distinctive performance of the Institute which is aligned with the vision is the teaching-learning process as the Institute would like to see itself a leading institution in engineering and management education as enumerated in the Vision statement. The salient features about teaching-learning process which is considered a priority and thrust area are described below:

1. The Institute is well known in the region for best practices in teaching-learning. It prepares its own Academic Calendar well in advance before the start of the semester, considering Govt./University holidays. It includes specific dates for conduction of three theory Internal Assessments, lab , co-curricular extra-curricular activities, student counselling, and schedule for unit-wise completion of syllabus, Students Performance Analysis meetings and Continuous Assessment Meetings
2. Subjects are allotted to the faculty members

for the forthcoming semester immediately after the end of the previous semester looking into the faculty specialization, experience and workload. 3.It is ensured that the minimum contact hours for theory laboratory as per university scheme is maintained in spite of unforeseen unscheduled holidays. 4.Faculty members who are new to teaching undergo training on pedagogical methods of teaching in addition to in-house Faculty Development Programs. Faculty members are trained to effectively to utilize the lecture duration of 50 minutes. 5.In addition to traditional teaching-learning methodologies, the Faculty members adopt group discussions, relevant videos, seminars, mini projects, case studies, PPTs, real time examples, simulations, Quizzes, depending on the course and the situation create the best learning environment for the students to make them think critically. 6. Difficult subjects are identified based on previous results for which tutorial classes are conducted. An innovative teaching-learning club is initiated in the college to facilitate to explore creative teaching-learning techniques. 7. Each class room is designed maintained as per AICTE norms with respect to carpet area, lighting, ventilation, LCD projectors, furniture to have a conducive ambiance. There are six seminar halls and an auditorium with state-of-the-art facilities. 8. The Imparts lecture capture solution facilitates record of every lecture delivered by the faculty which can be viewed by the students any number of times at a later time. This helps slow learners to understand the difficult concepts at their own pace. A flipped classroom concept is being introduced from the current academic year. 9. Adequate facilities are available to cater to the needs of physically challenged people in line with the recommendation of the AICTE/UGC norms. 10.An excellent library, digital library and laptop borrowing facility are made available. 11.An internet connectivity of bandwidth 50 Mbps to provide Wi-Fi facility all over the campus. 12.Career Guidance training programs are conducted for students to help them explore various career options.

Provide the weblink of the institution

<http://www.cbit.edu.in/page.php?menu=igac&slug=igac-naac>

### **8.Future Plans of Actions for Next Academic Year**

- To develop real time projects satisfying societal needs and promoting quality life for every class of human beings in cost effective way.
- To create Employability of weak and slow learners.
- To Support Programme specific and Interdisciplinary Consultancy work by Faculty.
- In future to get Research grants from National and International Agencies.
- To adopt Innovative pedagogies are adopted for practicing OBE in all disciplines of Engineering.
- To create Opportunity to start up Industry relevant courses such as Internet of Things (IoT) and Mechatronics to accommodate Interdisciplinary approach.
- To Promote the students and faculty for participation in Co-Curricular and Extra-Curricular Activities at International Level.