



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		CAMBRIDGE INSTITUTE OF TECHNOLOGY
Name of the head of the Institution		Dr. Suresh L
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		08025618799
Mobile no.		9686001199
Registered Email		principal@cambridge.edu.in
Alternate Email		registrar@cambridge.edu.in
Address		Basavanpura Main Road, K R Puram
City/Town		Bangalore
State/UT		Karnataka
Pincode		560036
2. Institutional Status		

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr. K. Satyanarayan Reddy
Phone no/Alternate Phone no.	08025618799
Mobile no.	9986422972
Registered Email	iqac@cambridge.edu.in
Alternate Email	naac@cambridge.edu.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://engg.cambridge.edu.in/wp-content/uploads/2021/05/AQAR-Report-Submitted-18-19.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://engg.cambridge.edu.in/wp-content/uploads/2021/04/Calender-of-Events-19-20.pdf

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	B++	2.85	2017	22-Feb-2017	21-Feb-2022

6. Date of Establishment of IQAC	28-Jan-2016
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7. Internal Quality Assurance System

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
For video editing and	24-Apr-2020	18

sound recording a workshop was conducted for two days. Short and quick methods for video editing with hands on training were conducted by Dr K Satyanarayan Reddy, HoD, Dept of ISE.	1	
It was decided to upload the video lectures of various subjects on You Tube platform by creating department wise channels. It was decided that the entire faculty were to upgrade their skills and knowledge by attending as many webinars/ FDPs.	23-Apr-2020 1	18
It was decided to conduct online classes through zoom platform due to imposition of strict lockdown measures introduced by the government (COVID-19).	31-Mar-2020 1	18
It was decided to start the NBA document updating process for uploading compliance report for extension/ renewal of NBA accredited departments (ECE, EEE, ISE, Mechanical).	12-Dec-2019 1	18
Zero Waste Campus initiative was introduced in the campus.	05-Nov-2019 1	18
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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
CiTech ECE	MODROBS	AICTE	2020 730	325000
CiTech ECE	STTP	AICTE	2020 6	230000
CiTech ECE	FDP	AICTE	2020 15	534000
CiTech ME	Student Project	KSCST	2020 180	6000
CiTech CSE	Student Project	KSCST	2020	5000

			180	
CiTech ECE	TEQIP (Avishkar)	VTU	2020 90	10000
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
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Upload latest notification of formation of IQAC	View File
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10. Number of IQAC meetings held during the year :	5
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The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
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Upload the minutes of meeting and action taken report	View File
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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)

Zero Waste Campus

NBA renewal process undertaken

Decision taken to apply for a new course in the contemporary area (AI & ML) with a proposed intake of 60 students

Online conduction of classes

Uploading of subject wise, semester wise videos on YouTube channels.

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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
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Plan of Action	Achivements/Outcomes
Conduction of counselling for students and family members	Counselling sessions were undertaken for students and family members on various health related issues. Team of medical doctors were invited to present webinars during such pandemic situation.

Introduction of new branch	New branch AI ML was approved by AICTE with an intake of 60.
Conduction of Online Classes	Due to the pandemic situation conduction of classes were moved to online mode using ZOOM platform. Faculty were able to learn more techniques to make the online classes effective. Video recordings of theory and lab sessions were also uploaded in the You Tube Channels of respective departments.
Zero Waste Campus	Awareness was created among faculty, staff and students about the Zero Waste Campus. Separate dustbins are placed in class rooms, faculty rooms etc., for dry and wet waste. Segregation is also done and waste papers are collected separately. Awareness is also created about the sanitary disposal and machines are installed in ladies rest rooms for burning the sanitary pads.
NBA Renewal Process	The four department namely ECE , EEE , ISE and ME were granted the extension of accreditation for 3 years by NBA.
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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 ?	Yes
Date of Visit	15-Feb-2020
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	04-Mar-2020
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)	The College has a fullfledged Management information system for the Academic and administrative functioning of the college. The administrative system in the college is fully automated with Lyceum and Libsoft software and this consists of a fee

management system, financial accounting for complete maintenance of the college account which includes all financial transactions. The IMS module is a student information management system for maintaining a complete student database. The software also contains an admission management system for maintaining the records of firstyear students. Payroll is separately used for salary, PF, TDS, etc. The College library is also automated and the information regarding the availability of books, issue details, etc., is available to the students and staff. An online public access catalog OPAC is implemented to enable the students for speedy and convenient access to the library catalog. All the academic and administrative issues are discussed in the appropriate Committee meetings. The suggestions are incorporated for smooth execution. The above MIS helps in the complete Financial, Administrative and Academic implementations.

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

Cambridge Institute of Technology is affiliated to VTU, Belgaum and incorporates the Curriculum prescribed by VTU from time to time. Currently Choice Based Credit System (CBCS) is followed. Adhering to the norms of VTU, the governing council of college is constituted. Governing council provides necessary guidance in all aspects of Institutional development like infrastructure, starting of new courses, fixing criteria for admission and research, recruitment of faculty etc. Academic team consisting of Principal and Head of various departments, prepare the action plan well in advance for effective implementation of the curriculum. The action plan is ratified by the department level academic council consisting of the HOD, senior faculty members, industry experts, and academia experts from premier institutes, parents, student representatives and Alumni. As academic head, the principal conducts meetings with HODs of all departments to collect inputs and develop strategy for effective implementation of the curriculum. Based on the VTU academic calendar, the calendar of events is prepared both at institutional and departmental level. In Institutional calendar of events, internal test dates are clearly specified to help faculty to cover syllabus well in advance and for students to prepare for IA tests. Bridge courses are planned and conducted at the beginning of each and every semester. For each class, a class teacher is assigned to take care of requirements of students. In accordance with the course objectives and course outcomes specified by VTU, CO-PO and CO-PEO matrix is framed along with necessary justifications and the same is updated in lesson plan. In each department 15 to 20 students are assigned to each faculty for counseling purposes. Faculty counselors interact with students and identify

slow learners. For slow learners special remedial classes are conducted to enhance their learning process. Each faculty will maintain a diary which clearly indicates his/her academic contribution, non-academic workload etc. In academics, highest priority is given to teaching-learning process and lecture sessions are delivered through Chalk and Talk, Powerpoint presentations, Quiz, Mini Projects, Case studies, Guest lecture, Seminars and Internships in collaboration with Industries. ICT based tools and technologies like Google classrooms, Zoom meetings are used. In TLP student centric approach is followed where other than normal classroom teaching, other forms of learning are promoted which include conduct of workshops and seminars. Three IA tests are conducted and after each IA test, answer books are evaluated as per scheme of evaluation. Rubrics are used for the evaluation process to bring in uniformity in evaluation. Students are given opportunity to verify IA marks and get clarification from concerned faculty. Performance of the students is regularly communicated to their parents through SMS and the same is posted to their permanent address. Class teachers in consultation with department HOD, conduct parent-teacher meetings. The centralized examination cell is responsible for conducting IA test and external VTU examination. Due to COVID-19, the conduct of classes was shifted to Online/ Blended mode during the Even Semester 2019-2020. The IA tests were conducted and evaluated online using Learning Management Software and Platforms.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Hands on Training on Brick Laying and Foundation Marking	NIL	01/10/2019	1	Skill Development	Training on practical work
Workshop on Recent Trends in Civil Engineering	NIL	29/08/2020	2	Skill Development	Knowhow of recent advancements
Infosys Campus Connect	NIL	01/03/2020	180	Employability/ Skill Development	Employability/ Industry Readiness
Workshop on IOT System Design for Embedded System	NIL	27/08/2019	2	Employability/ Skill Development	Employability/ Skill Development
Big Data with Hadoop Perspective	NIL	30/08/2019	2	Employability/ Skill Development	Employability/ Skill Development
Code Optimization in JAVA SE9	NIL	19/09/2019	3	Employability/ Skill Development	Employability/ Skill Development
Innovation Entrepreneur	NIL	25/10/2019	1	Employability/ Skill	Employability/ Skill

ship					Development	Development
Workshop on Advanced C programming	NIL	02/04/2020	1		Employability/ Skill Development	Knowledge of C programming
Workshop on JAVA automation	NIL	04/02/2020	1		Employability/ Skill Development	Knowledge of JAVA programming
Workshop on IOT	NIL	30/08/2019	1		Employability/ Skill Development	Knowledge of C programming
Workshop on Embedded Product development	NIL	30/08/2019	1		Employability/ Skill Development	Knowledge of C programming
Workshop on PCB Design	NIL	28/08/2019	1		Employability/ Skill Development	Knowledge of C programming
Workshop on Electronics Circuit simulation using Multi-sim software	NIL	17/12/2019	1		Employability/ Skill Development	Knowledge of C programming
EMBEDDED SYSTEMS ROBOTICS	NIL	19/09/2019	2		Employability/ Skill Development	Knowledge about embedded systems
PLC SCADA	NIL	17/09/2019	2		Employability/ Skill Development	Able to learn Ladder program
Solar Energy Applications	NIL	26/09/2019	2		Employability/ Skill Development	Employability/ Skill Development
Workshop - Certification course on Data Analytics (II IV sem) by Dr.Deepak	NIL	13/04/2020	1		Employability	Skill Development
Webinar on Fin excel: Using MS Excel in Financial Management byMr. Chandan L.	NIL	22/05/2020	1		Employability	Skill Development

Mr. Chikke
Gowda

Android

NIL

08/08/2019

14

Employabil
ity

Skill
Development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	NA	Nil
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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
BE	CSE, ISE, ECE, EEE, CV, ME	01/01/2019
MBA	HRM, Finance, Marketing	01/01/2019
MCA	Computer Applications	01/01/2019
Mtech	CSE, MD, DE	01/01/2019

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

	Certificate	Diploma Course
Number of Students	1455	Nil

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
Gate Sessions	23/04/2020	52
Career oppportunities for Engineers and Architects	02/03/2020	30
Co-cubes	13/09/2019	27
C Programming Fundamentals	17/09/2019	120
Code Optimization in JAVA SE9	19/09/2019	34
Advances in Python Programming and Selenium Automation	10/04/2019	69
IOT with Embedded Technology	18/11/2019	120
DataScience using R Programming.	18/11/2019	38
Syntax Directed translation in compiler design	26/05/2020	120
BlockChain	17/06/2020	120

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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	CSE, ISE, ECE, EEE, ME, CV	552
MBA	Finance, HRM, Marketing	188
MCA	Computer Applications	90

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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

The institution collects the feedback on curriculum aspects and courses from different stakeholders such as the students, alumni, Faculty and Employers. Institution established an Academic Council in order to ensure and analyze academic excellence at student and faculty levels. Periodical analysis is made by Academic Council from the following: student performance, faculty performance in every semester, utilization of infrastructure and requirements for quality enrichment. The college maintains an IQAC as a quality assurance and quality enhancement measure. Under the supervision of IQAC, various departments and committees like Career Guidance, Anti-Ragging and Anti-Sexual Harassment Committee, etc reinforce the curriculum by incorporating updated information and relevant social issues. Institute collects the feedback physically from stakeholders viz. Students, Parents and Teachers on Curriculum which is prescribed by the university. The college conducts an annual Alumni Meet, in which suggestions and feedback is received from Alumni students. The provided feedback data is presented to the Academic Council Meeting for necessary implementation in curriculum. Alumni surveys are conducted during alumni interaction at the alumni association meeting held every year. Whenever any alumni visits the college, feedback is taken. Several webinars have been conducted and also feedback was taken from stakeholders. SWACCH BHARAT was carried out based on the feedback collected from faculty, students and other stakeholders. Workshop on Human Values and Seminars were conducted on Conservation of Environment and Protection of Biodiversity. Skill development and software training was introduced based on the feedback from stakeholders. Feedback was taken from students and parents about online classes and suitable modifications were incorporated. Feedback from teachers was also taken to understand the comfort level of faculty members in conducting online classes.

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
BE	CSE, ISE, ECE, EEE, ME, CV	720	636	636
MBA	MBA	120	83	83
MCA	MCA	60	6	6
Mtech	CSE, MD, DE	54	25	25
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	636	114	163	24	9

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
196	196	14	47	11	11

[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)

The concept of designing mentorship in the institute is to build better understanding between faculty members and students. It aims at solving students' personal and academic issues during their program. At the beginning of the first semester, a mentor is allotted with 20 students and an in-house designed mentor booklet that captures all academic and non-academic details of the students during their engineering program is maintained by the mentor. The mentor booklet is a document that serves as a ready reference to monitor and guide the students in both curricular and extracurricular activities. Through mentoring slow learners are identified for better monitoring. Students having personal problems for attending classes need to contact their HOD to discuss how to handle the problem. In case any personal issues are identified, then the mentor will bring to the notice of HOD and in turn to parents, if needed, parents are informed to meet HOD to address the issue and resolve it at the earliest. In the second term first mentoring was conducted offline but the consequent meetings were conducted online by the mentors due to Pandemic and the lockdown announced thereafter. During the lockdown, webinars were organized on awareness of "COVID-19 and SOP to be followed" by eminent speakers and doctors, for well being of students. A special counseling team comprising of senior faculty members of the institute was formed and their contact list was uploaded on the website. The mentors were in continuous communication with the students to keep them at mental peace. All the learning material was uploaded to the college LMS. Besides the mentor-mentee system, the college has a system of appointing class teachers. Class teachers pay special attention to advanced learners and slow learners. Students can always approach class teachers for any academic help. The outcome of the mentoring system has yielded a positive result for the student community at large.

Number of students enrolled in the	Number of fulltime teachers	Mentor : Mentee Ratio
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institution		
2816	196	1:14

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
210	196	14	18	4

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
2019	Dr. K Satyanarayan Reddy	Professor	Uttam Acharya Puraskar
2019	Mr. Krishna Kumar P R	Associate Professor	Doctor of Letters (D.LITT)
2019	Dr Basavaraju C	Professor	Best Branch Counsellor, IEEE
2019	Mr. Sagar K G	Assistant Professor	Research Ratna Award by Rula Awards

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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	CV, CSE,ECE, EEE,ISE, ME	I III V VII	06/01/2020	02/03/2020
MBA	MBA	I III	30/12/2019	01/04/2020
MCA	MCA	I III V	19/12/2019	01/04/2020
Mtech	CSE,DE,MD	I III	04/01/2020	01/05/2020
BE	CV, CSE,ECE, EEE,ISE, ME	II IV VI VIII	24/07/2020	24/09/2020
MBA	MBA	II IV	24/07/2020	30/09/2020
MCA	MCA	II IV VI	24/07/2020	01/10/2020
Mtech	CSE,DE,MD	II IV	24/07/2020	01/10/2020

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

As the Institute is affiliated to Visvesvaraya Technological University, the internal evaluation system is guided by university regulations. The evaluation weightage for continuous assessment tests and for the semester end examination

is taken as per the scheme of syllabus prescribed by the university. The academic calendar for each semester is prepared in line with the University schedule of events, which provides the information on the scheduled time table for internal assessments and the tentative schedule of University practical examinations. The students can plan for preparation accordingly. The question paper pattern for the internal examinations has been standardized by the institution, which is on par with that of the University question paper. The Blooms taxonomy is strictly followed in setting the question papers for Internal Assessment. With regard to the tests, faculty members need to prepare 3 sets of question papers and submit to IQAC for scrutiny. After scrutiny from the IQAC committee the question papers are submitted to the exam cell, wherein the COE selects one question paper from the sets given and forwarded it for printing and it is distributed to the students at the time of the IA test. CIE comprises of both direct and indirect assessment. Direct assessment is through internal test conducted at institute, indirect assessment is through activities like quiz, seminar, mini projects, power point presentations. Rubrics are well defined for both direct and indirect assessment. Test marks are intimated to the students after evaluation and the same is communicated to their parents through posts/e-mail. The academic performance and attendance of the student are maintained and recorded in each department.

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

The academic year starts as prescribed by the University. The University in advance publishes the Academic Calendar containing plans for curricular and co-curricular activities based on the available working days as per their norms. Principal of the college is responsible for preparing the Academic Calendar in concurrence with the University Calendar. Department Calendar of events is prepared by the respective HOD in line with the college calendar of events. Approval for the same is given by the Principal after minor changes if required. The academic calendar provides the date of commencement of the academic session, duration of semester, period of internal assessment tests, final semester examinations dates etc. The time table is prepared well before starting of every semester to avoid any shortfall in syllabus coverage. The Lesson Plan is prepared by the faculty members individually which includes the details of module wise topics, number of teaching classes allocated for each unit. During the interaction with the students the objectives of each course is explained by the respective faculty. Syllabus completion is tracked through periodic verification of lesson plan, class committee meetings, record of class work and Department meetings. The laboratory Schedule is prepared by the concerned Time Table in charge of each department and batch wise details are specified in laboratory schedule. Time Table of regular lectures for the semester is prepared and displayed on the notice board.

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://engg.cambridge.edu.in/iqac/learning-outcomes/>

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
Mtech	Mtech	DE	8	8	100

Mtech	Mtech	CSE	15	15	100
MCA	MCA	MCA	90	89	98.88
MBA	MBA	MBA	107	102	95.32
ME	BE	Engineering	113	112	99.11
ISE	BE	Engineering	49	49	100
EEE	BE	Engineering	44	41	93.18
ECE	BE	Engineering	114	114	100
CSE	BE	Engineering	170	166	97.64
CV	BE	Engineering	52	44	85
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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://engg.cambridge.edu.in/wp-content/uploads/2021/05/SSS-19-20.pdf>

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
Students Research Projects (Other than compulsory by the University)	180	IEEE	0.05	0.05
Projects sponsored by the University	180	VTU - TEQIP (Avishkar)	0.1	0.1
Interdisciplinary Projects	1095	AICTE	0	6.27
Minor Projects	180	KSCST	0.05	0.05
Minor Projects	180	KSCST	0.06	0.06
Minor Projects	730	AICTE (MODROBS)	0	9.26
Major Projects	600	DSIR	0	4
Major Projects	15	AICTE (FDP)	5.34	5.34

Major Projects	6	AICTE (STP)	2.3	2.3
Major Projects	730	AICTE (MODROBS)	3.25	2.6
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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
FDP - TLP NLP	CITECH - CSE	22/07/2019
Workshop on Advances in Python Programming and Selenium Automation	CITECH - CSE	04/10/2019
Techninal Talk on IoT with Embedded Technology	CITECH - CSE	18/11/2019
Workshop on Data Science using R Programming	CITECH - CSE	19/11/2019
FDP - IoT and Cyber Security - an Industry Perspective	CITECH - CSE	23/05/2020
Webinar - "IOT STACK-END TO END SECURITY CONSIDERATIONS"	CITECH - CSE	26/05/2020
Webinar on "Fundamentals of Intellectual Property and Patent Search"	CITECH - CSE	06/06/2020
Webinar on "Blockchain"	CITECH - CSE	17/06/2020
FDP on R Language and R Studio	CITECH - CSE	22/06/2020
Solar energy applications workshop	CITECH - ME	26/09/2019
Webinar on latest Technologies in Automotive Industries (EEE)	CITECH - EEE	12/06/2020
Webinar on Smart grid in Distribution systems	CITECH - EEE	11/06/2020
Workshop on Embedded systems and Robotics	CITECH - EEE	20/09/2019
Workshop on Advanced C programming	CITECH - ECE	04/02/2020
Workshop on JAVA automation	CITECH - ECE	02/04/2020
Technical talk on opportunities in ECE	CITECH - ECE	31/07/2019
Workshop on IOT	CITECH - ECE	30/08/2019
Workshop on PCB Design	CITECH - ECE	28/08/2019

Two Week AICTE sponsored FDP on Advances and Applications of Smart System Engineering	CITECH - ECE	28/12/2019
Workshop on Electronics Circuit simulation using Multi-sim software	CITECH - ECE	17/12/2019
Power Generation and Indian Energy Scenario	CITECH - ECE	16/05/2020
Product Development and Challenges	CITECH - ECE	22/05/2020
Introduction to Design Verification Using System Verilog	CITECH - ECE	30/05/2020
Network Concepts and Configurations	CITECH - ECE	12/06/2020
Effective presentation using Microsoft PowerPoint	CITECH - ECE	22/06/2020
AWS Workshop	CITECH - MCA	24/09/2019
Workshop on Software Testing	CITECH - MCA	17/10/2019
Seminar on cloud infrastructure and internship opportunities,	CITECH - MCA	14/11/2019
Seminar on cloud operating systems and networking	CITECH - MCA	25/10/2019
Seminar on Artificial Intelligence,	CITECH - MCA	17/09/2019
Seminar On Effective Communication And Competitive Exams	CITECH - MCA	16/08/2019
Seminar On Internet Of Things (Iot)	CITECH - MCA	29/07/2019
Seminar On Internship And Placement Opportunities	CITECH - MCA	07/08/2019
Talk on Intellectual Property Rights	CITECH - CV	05/03/2020
Technical Talk on " Water Conservation"	CITECH - CV	19/10/2019
Webinar on Geo-ICT application for smart cities	CITECH - CV	06/01/2020
National seminar on AICTE Quality Initiatives Sensitization of Technical Teachers Training	CITECH - CV	16/12/2019

Webinar on IT interventions in Civil Engineering	CITECH - CV	16/05/2020
Workshop on IOT System Design for Embedded System	CITECH - ISE	28/08/2019
Big Data with Hadoop Perspective	CITECH - ISE	30/08/2019
Webinar on Indovation talk1 - Transformation processes in the financial world by Dr. Nico Lassing	CITECH - MBA	18/02/2020
Webinar on Indovation talk 2 - Transition leadership transformation process	CITECH - MBA	13/03/2020
VYAVAHARA TANTRA 2.0	CITECH - MBA	10/05/2020
Webinar on-Tap nurture inner talent- To help students to introspect their skills and sustain as a successful adult.	CITECH - MBA	11/05/2020
Webinar on Entrepreneurship - An Overview-Interactive webinar with case study solving regarding entrepreneur Jack Ma, Alibaba.	CITECH - MBA	15/06/2020

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
Avant Garde Bplan Event	Satyam Raj	IIM Indore	06/09/2019	First Position
IEEE Student Branch chair	Vishnu Srinivas	IEEE	02/02/2020	First Position
Effect of Beryl Reinforcement in Aluminum 2024 on Mechanical Properties	Sagar K G	I2OR	01/06/2020	Young Researcher award
Best Paper Presentation Award,	Manjunatha S	ICECAT -2020	11/03/2020	Best Paper Award
Best Paper Presentation Award,	Yashaswini S	ICECAT -2020	11/03/2020	Best Paper Presentation award
NPTEL Online Certification -	Dr. Josephine Prem Kumar	NPTEL	02/09/2019	Course - Advanced

Advanced Computer Architecture - 5th Topper				Computer Architecture
SmartCom 2020 in modern Techno Era	Sonia Maria DSouza Dr.K.Satyanarayan Reddy	SmartCom 2020, Bangkok, Thailand	25/01/2020	Best Paper Award
Smart HRMS	Gunjan	Cambridge Institute of Technology	30/05/2020	Best Innovation
EMARA PROP (Marketing Officer Module)	Kamakya Singh	Cambridge Institute of Technology	30/05/2020	Best Design
Design of Link Development and download	Prathiba Priya	Cambridge Institute of Technology	30/05/2020	Best Social Relevance
View File				

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
Nil	Nil	Nil	Infinity X innovations private limited	Projects	04/10/2019
Nil	Nil	Nil	Embiot Technologies	Embedded and IoT platform	24/02/2020
Nil	Nil	Nil	Party-In	Event Management	01/04/2020
View File					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
3000	6000	12000

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

Name of the Department	Number of PhD's Awarded
CSE	1
BS	2
MBA	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)
National	MBA	9	Nil
International	ECE	5	2.08

International	CSE	20	5.46
International	ISE	3	6.81
International	BS	9	2.1
International	MCA	2	2.5
International	ME	4	2.2
International	EEE	1	3.5
International	CV	3	7.34
International	MBA	1	Nill
View File			

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
ECE	6
CSE	7
EEE	2
BS	2
ISE	13
ME	4
View File	

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 Survey on Techniques to Detect Malicious Activities on Web	Dr. Arunadevi M	International Journal of Advanced Computer Science and Applications (SCOPUS)	2019	6	CITECH	6
Gadget based cloud utilization for smart lighting system using IoT and Bluetooth	Mr. Krishna Kumar P R, Dr. Chandra Mouli Mr. Udaya Kumar	IJESC	2020	5.6	CITECH	1
A Comprehensive Survey on	Dr. Satyanarayan Reddy K Ms	Scopus Indexed Journal	2020	3	CITECH	1

Energy Efficient Routing Techniques and Various Attacks in Wireless Sensor Networks	.Priyanka. R	(Unpaid) International Journal on Emerging Technologies (IJET)				
Identification of Factors Causing Breast Cancer using Factor Analysis	Dr. Josephine Prem Kumar	International Journal of Engineering Research Technology (IJERT)	2020	4	CITECH	4
Balancing Privacy Vs Efficiency in Data Analytics using Nearest Neighbour Randomization	Geetha P, Chandrakant Naikodi, Suresh L	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	5	CITECH	5
The Rise of the Social Business in Emerging Economies: A New Paradigm of Development	S Akter, N Jamal, MM Ashraf, G McCarthy, PS Varsha	Journal of Social Entrepreneurship (ABDC-B Scopus Indexed)	2020	8	CITECH	8
A novel Semifolded Parallel Successive Cancellation based polar decoder for optimal register allocation	Dr. Indumathi G.	The Journal of Supercomputing	2019	2	CITECH	2
A novel optimization	Girish.H	International Journal of	2019	2	CITECH	2

framework for controlling stabilisation issue in design principle of FinFET based SRAM		Electrical and Computer Engineering (IJECE)				
An Efficient Design Implementation Of OFDM Based Transmission System.	RaviKumar M	RaviKumar M	2019	0	CITECH	Nil
Adaptive resource allocation using various smart antenna techniques to maintain better performance	Shivapan chakshari T G	International Journal of Engineering and Advanced technology (IJEAT)	2019	4	CITECH	4
View File						

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
Cucumber disease detection using adaptively regularised kernel-based fuzzy C-means and probabilistic neural network	Jayanthi M.G, Dr. S hashikumar D.R.	International Journal Computational Vision and Robotics	2020	1	2	CITECH
A Novel System for Early Detection of Breast Cancer using Area and	Varalathoumy	Int. J. of Advanced Intelligence Paradigms	2020	1	2	CITECH

Entropy Features of Malignant Tumor						
The Rise of the Social Business in Emerging Economies: A New Paradigm of Development	S Akter, N Jamal, MM Ashraf, G McCarthy, PS Varsha	Journal of Social Entrepreneurship (ABDC-B Scopus Indexed)	2020	8	8	CITECH
Novel model for boosting security strength and energy efficiency in internet-of-things using multi-staged game	Bhagyashree Ambore, Dr. Suresh L.	International Journal of Electrical and Computer Engineering(IJECE)	2019	2	7	CITECH
A Multicast Transmission Routing Protocol for Low Power Lossy Network Based IoT Ecosystem	D. R. Ganesh, L. Suresh	Intelligent Data Communication Technologies and Internet of Things ICICI 2019	2020	1	9	CITECH
Grid Synchronisation of Photovoltaic Distributed Generation Using hybrid Fuzzy-PI Controller	B.G.Sujatha	International Journal of Innovative Technology and Exploring Engineering	2019	1	12	CITECH
A novel Semifolded Parallel Successive Cancellation based	Dr. Indumathi G.	The Journal of Supercomputing	2019	2	Nil	CITECH

polar decoder for optimal register allocation						
Overview of Toxicity in PEEK Biomaterials	Mr. Naveen Kumar A	International Journal of Management , Technology and Engineering, Volume 9, Issue 4 PP 5353	2019	1	1	CITECH
Survey on Adaptive Particle Swarm Optimization based Watermarking of Digital Images for High Security	Dr. K. Satyanarayan Reddy Mr. Mahesha A.M Dr. Ganashree T.S	International Journal of Research and Analytical Reviews (IJRAR),	2019	1	1	CITECH
Revisiting security aspects of Internet of things for self-managed devices	Ms. Sapna	IRJET	2019	1	1	CITECH
View File						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	7	90	58	91
Presented papers	12	3	Nil	Nil
Resource persons	1	2	3	11
View File				

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/	Number of teachers	Number of students
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	collaborating agency	participated in such activities	participated in such activities
Educating orphans on Fundamentals of Computer, and Entertainments	NGO - Mother Theresa Orphanage, KR Puram	5	20
Donation to Kodugu Floods	MCA CiTech	5	60
Helping Hand for the Needy	NGO - Mother Theresa Orphanage, KR Puram	5	300
Health Awareness Program	NSS WING - CiTech	10	350
Waste Management	Vedan NGO	2	30
Go Green awareness Program	NSS WING - CiTech	10	380
Health Awareness Program	Vedan NGO	2	50
Go Green - Plantations World environment Day	NSS WING - CiTech	15	40
View File			

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
NA	NA	NA	Nil
View File			

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
Helping Hand for the Needy	NGO - Mother Theresa Orphanage, KR Puram	Helping Hand for the Needy	5	300
Educating orphans on Fundamentals of Computer, and Entertainments	NGO - Mother Theresa Orphanage, KR Puram	Computer Awareness Program	2	20
Aadhya Foundation for Collective Thoughts	CITECH_NSS	Anveshane	3	15
Donation to Kodagu During Floods	CITECH - MCA	Donation	2	40

Waste Management	Vedan NGO	Go Green	2	45
Health Awareness Program	Vedan NGO	Go Green	2	23
LOKAHITA- CSI activity	Lets Tag-On	CSI (Community Social Impact Program)	4	82
View File				

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
Collaborative Publications	44	CITECH	365
Global Case Study Challenge	46	CITECH	70
Kaynes Technology, Mysore	110	CITECH	2
Akshaya Patra, Bangalore	100	CITECH	1
Shell Echo Marathon	5	CITECH	180
Industrial visit (Bharuka power plant)	33	CITECH	1
Industrial visit KMF limited	600	CITECH	1
Job training programme	4	Capgemini Bangalore	4
Industrial Visit - ITI Limited	20	CITECH	1
Industrial Visit - TCS	42	CITECH	1
View File			

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	Practical training	DRDO, Bangalore	01/01/2020	29/02/2020	Pranav PM, Preetham. H.N., Ranjitha.H.M

Internship	Substation and its equipments Survey	KPTCL Bangalore	06/01/2020	06/02/2020	Natraj.N, Rohith. M, Soundarya. H.S, Suraj
Internship	Internship	Maruthi Suzuki	16/01/2020	15/02/2020	Amaranatha A, Vasu S V, Rajashekhara S N, Saqlain Pasha
Internship	Web Development	Microsoft Dynamics	01/01/2020	29/02/2020	Tejaswini G
Internship	Study on structure and function of 400/220 Kv substation	KPTCL Bangalore	08/01/2020	08/02/2020	Anusha. V. Gopal, R. Gouthami, P. Madhumitha. Shameem
Internship	Internship training	Carriage workshop, Hubli	18/01/2020	20/02/2020	Abdesh kumar Yadav
Internship	Intern Java Developer	Elixir Software	15/01/2020	30/06/2020	ANUSHA A
Internship	Internship	JSW	03/01/2020	01/02/2020	Kobbaji Kotresh
Internship	Internship	Robotics Pvt Ltd	16/01/2020	15/02/2020	Fidha Hussain
Internship	SOFTWARE INTEREN DEVELOPER	Ebix.Biz	15/01/2020	30/06/2020	Y VINITH SAI

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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
TCPL	09/09/2019	Internships, Industrial Visits, Inplant training, Mini and Major Project, Research development, Problem Solving, Placements	90
Sharpmind	09/09/2019	Internships, Industrial Visits, Inplant training, Mini and Major Project, Research development, Problem Solving, Placements	90

Samsung RD Institute	13/03/2019	Research Projects Implementation Industrial Visit	14
Gowri Software Solutions	10/10/2019	Internships, Industrial Visits, Inplant training, Mini and Major Project, Research development, Problem Solving, Placements	90
Rakya Ltd	19/09/2019	Internship	13
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
600	529.9

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Newly Added
Laboratories	Newly Added
Seminar halls with ICT facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
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
LIBSOFT	Fully	11	2014

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	6537	255300	1755	725000	8292	980300
Reference Books	968	358000	157	41000	1125	399000
e-Books	20677	Nil	Nil	Nil	20677	Nil
Journals	240	487000	45	90000	285	577000
e-Journals	32	312000	10	100000	42	412000

Digital Database	2	Nil	Nil	Nil	2	Nil
CD & Video	264	Nil	62	Nil	326	Nil
Library Automation	1	10000	Nil	Nil	1	10000
Weeding (hard & soft)	84	21000	Nil	Nil	84	21000
View File						

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
Dr.Varalatchoumy M	Machine learning	Google Class room	20/05/2020
Prof. Janardhan Singh K	Design and Analysis of Algorithms	Google Class room	10/06/2020
Chikkegowda K.G	Solving Problem on Equity Multiples	You tube video	20/06/2020
Dr Arunadevi M	Data Structures using C	You tube video and Zoom	29/04/2020
Dr.Shanthi S R	Calculus and Linear algebra	Google Classroom	14/10/2019
Geetha P.	Design and Analysis of Algorithms	Google Class room	18/03/2020
View File			

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	1055	930	1052	30	0	19	68	130	8
Added	40	33	0	0	0	0	7	0	0
Total	1095	963	1052	30	0	19	75	130	8

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

100 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
Electromagnetic Waves	

<https://www.youtube.com/channel/UC9dLYXLh4EwTWLqCJJeff-gA>

Data Communication

<https://www.youtube.com/channel/UCMfPEPgtbz9nexhrAOzzmFw>

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
147	122.7	711.8	650.5

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)

Facilities maintenance and management is carried out through the campus maintenance department by a Resident Engineer with support of Plumbers, Electricians, Carpenters and Mechanics. The department carries out all maintenance activities of the campus and buildings and includes all activities necessary to operate, maintain, and provide services for campus buildings, mechanical equipment, and utilities to keep them in good operating condition. The Campus Maintenance Committee review the work progress every quarter and submit its recommendations to the management. A budget is annually allocated for maintenance of the physical facilities of the institute. Purchase committee of the college will review and approve the purchase of equipment's/facilities requirements submitted by various departments. Servicing and Maintenance of laboratory equipments/instruments are initiated by the respective departments as and when required. The departments will periodically calibrate and service the laboratory equipments to ensure proper functioning. Some of Laboratory equipments are maintained by entering Annual Maintenance Contracts (AMC) with the supplying / servicing agencies. The classrooms, laboratories, seminar halls, and library facilities are utilized regularly by the students for the learning process and logbooks indicate the regular utilization of the respective facilities. Electrical power back up to the majority of equipments, computers, and laboratories is supplied through 210KVA UPS. Power backup to the entire campus is taken care of by three Diesel generators with a total capacity of 450KVA. UPS and DG are maintained by entering Annual Maintenance Contracts (AMC) with the supplying / servicing agencies. The institute has separate staff for House Keeping and Security Services. The sports facility of the institute is supervised by a Physical Education Director and these facilities are made available to all the students of the institute all the time. The sports facility includes indoor and outdoor facilities. The institute has large open grounds for cricket, football, volleyball, and basketball and a gymnasium utilized by the students. Purified drinking water is provided on the campus. RO water purifying systems installed in all places. The maintenance of water purifiers and coolers is carried by external agencies through an Annual Maintenance Contract. The Campus garden is maintained by the gardener appointed by the college. Fire extinguishers are installed on the campus and their maintenance is carried out by third-party agencies by entering Annual Maintenance Contracts (AMC). Surveillance cameras are installed for security and monitoring purposes at all prominent places. The campus has medical facility with in-house doctor. Centralized Examination Cell is provided with connectivity to all classrooms for live monitoring and smooth conduct of examination process. Fumigation tunnel for sanitization is constructed at the entrance. Manual thermal scanning facility and hand sanitizers are provided in

the campus.

<https://engg.cambridge.edu.in/wp-content/uploads/2021/05/Procedures-and-Policies-19-20.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	Fee Concession	10	260000
Financial Support from Other Sources			
a) National	OBC-(Under Fees Concession), SC/ST, AICTE/PMSSS, Zindal	936	23723741
b)International	0	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
Soft Skill Training	08/08/2019	1121	Bizotic
Aptitude and Technical Skills	17/02/2020	634	Bizotic
Resume Building, GD, Dos and Donts during Interview, HR Questions	13/08/2019	528	Deepa Udasi (Senior Manager - Training)
Product Development and Challenges	22/05/2020	339	Lokesh Siddaramanna, Engineer - Satellite Communication Honeywell Ottawa, Canada.
Capability Enhancement Programs (Includes Induction Program)	11/06/2020	617	Experts from Various Industries
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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
2020	Placement	602	743	13	490

Training

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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
3	3	5

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
CAPGEMINI CEASEFIRE FEENIXTECH FREENKART SQUARE YARDS INFOSYS TCS WIPRO AMAZON CINIF TECHNOLOGIES NTT DATA SMART BRAINS Infosys InfyTQ TCS TNQT TargetHR Sasken Paletro Solutions Edupolis PRDC Sasmos Abyeti Technologies Qspider (5617	344	WISTRON MOLEX INDIA PVT. LTD ADOBE ATHMIN TECHNOLOGIES FEENIXTECH FREENKART HARMAN HASHEDIN ICE CREAM LABS INFYTQ (INFOSYS) ITC PENTAGON SPACE RAKUTEN SACHA ENGINEERING SUBEX TCS TECH MAHINDRA UGAM UNCANNY VISION VERZO WIPRO Mindtree Ltd TATA Consult	1397	146

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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
2020	2	BE	ME	RAMAIAH UNIVERSITY	MBA
2020	1	BE	Civil	Cambridge Institute of Technology	MBA
2020	1	BE	Civil	MVJ	MBA

2020	1	BE	Civil	Ghousia College of Engineering	M.Tech
2020	1	BE	Civil	MVJ	M.Tech
2020	1	BE	ECE	Indian Institute of Engineering science and Technology	M.Tech
View File					

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

Items	Number of students selected/ qualifying
GATE	1
CAT	1
Any Other	11
View File	

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

Activity	Level	Number of Participants
Football (Men)	Kannada Rajyosthava-College Level	165
Throwball Tournament (Women)	Kannada Rajyosthava-College Level	60
Cricket	Kannada Rajyosthava-College Level	75
Volleyball Tournament	State Level Inter Collegiate men Women	178
Carrom (Men)	College level Sports Day	45
Cricket	College level Sports Day	225
Throwball (Women)	College level Sports Day	65
100m Run Women (Athletics)	College level Sports Day	50
View File		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2020	Gold Place	National	1	Nil	1CD16MCA32	Wilfried Bertrand wetta

2020	First prize	National	1	Nil	1CD18MCA17	Satyajit palita
2020	Bronze Place	National	1	Nil	1CD16MCA32	Wilfried Bertrand wetta
2020	Second Prize	National	1	Nil	1CD18MCA17	Satyajit palita
2020	Runner up	National	1	Nil	1CD18MCA17	Satyajit palita
2020	Runner up	National	1	Nil	1CD17CV003	Chandan N Swaraj
2020	First Place	National	1	Nil	1CD16EC046	Kusuma C J

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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)

The College creates a platform for the active participation of the students in the various academic and administrative bodies including other activities. The students are involved in various committees such as Alumni Committee, Anti Ragging Committee, Cultural Committee, Sports NSS Committee, Entrepreneurship Development Committee, Institutional Social Responsibility Committee, Public Relation, etc. Class representatives will be selected from each section from 1st year to the Final year. The Class representative brings forward the views and suggestions of the entire class with respect to the subjects, syllabus, and other nonacademic issues. The class representatives share ideas and interact with lecturers and principal. The class representatives also help to raise funds for activities including social events, community projects, helping people in need. The Class Representatives also take the lead in organizing programs like paper presentations, workshops, and seminars every year. Regardless of the Covid-19 pandemic, the Student Council remained active and organized several activities online with great enthusiasm and success.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes -(Registration Number DRB-3/SOR/510/2016-17) : Cambridge Institute of Technology takes immense pride in students getting graduated from the portals of the Institute. Institution strongly believes that alumni are the brand ambassadors of Cambridge institute of Technology. We have a strong and well-connected network with alumni which have greatly benefitted current students. Alumni Association is the channel through which our Alumni have contributed their valuable time in sharing their knowledge in workshops and seminars to our students. The hands-on-sessions delivered by our alumni on the latest technologies have motivated students to articulate their professional career. The alumni have conducted and participated in several activities, to name a few: 1. Mentoring the current students in their area of study, specialization, and also career path. 2. Social service. Following our legacy, various social service activities were carried out to help the needy since 2017. The members of the association identified an Orphanage called 'Vidyaranya' near K R Puram which is a non-profit, non-political and secular development organization established in 1991. The Alumni visited the place to understand their needs of food and study materials which were fulfilled. The alumni associations took steps to help the needy, especially street vendors and school kids. The

initiative started simultaneously at five different localities (K R Puram, Hebbal, Silkboard, Sevanagar, Indiranagar). Blankets were distributed to the poor on the street and school kids were given essential supplies like bags, lunch boxes, stationery kits, etc. This activity is a continuous process every six months conducted by our Alumni. This effort of reaching out to society and a noble gesture by our alumni has inspired our students at CiTech.

5.4.2 – No. of enrolled Alumni:

771

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

231300

5.4.4 – Meetings/activities organized by Alumni Association :

The 7th alumni meet conducted on 29th Aug 2020 was a grand reunion on ZOOM. The occasion was graced by the presence of the chief guest Dr. B. V. Ravishankar, BMSCE Principal, Chairman Shri. D. K. Mohan, Principal Dr. Suresh L, Prof. Pankaja K, CSE Dept, Head Alumni Engagement, Mr. Preetham M, President of the Alumni association, heads of various departments and faculty members. The alumni refreshed their memories about the college and shared their views. The first virtual Meet on ZOOM was exciting for all the alumni of 2011, 2012 and 2013 graduates. The event witnessed active involvement from the alumni and a number of commendable suggestions were put forth for strengthening the bond between the Alumni and current students. Two rooms were created, one for CSE ISE and the other for ECE EEE to have communication with their classmates, teachers and HOD. Alumni expressed their happiness towards virtual Meet.
(<https://www.cambridge.edu.in/alumni/>)

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)

Decentralization and participative management are ingrained in the administrative functioning of the institute. 1. Participative management is an open form of management where the employees have actively involved in the conceptualization as well as the implementation of various academic and administrative responsibilities. The institute and its stakeholders participate in collective decision making which involves the Director, Deans, Heads of the Departments, Registrar, the faculty members, laboratory assistants and student representatives. The faculty and staff act as facilitators who deal directly with the students to cater their needs. There is a structured delegation of authority that encourages the leadership among the faculty members who are equally empowered to put up suggestions on academic/administrative/co-curricular/extra-curricular activities. Decentralization is the mantra of the Institute: ? The departments comprise of HODs, Professors, Associate Professors, and Assistant Professors who act as backbone for academics. The department is also supported by the Technical Support Staff to help the faculty in the conduction of labs, projects, and other activities. ? HODs will submit the requirements of the departments to the Principal at the beginning of every semester. After going through the formal process, the Principal places the order for procurement. ? The timetable coordinator of the department prepares the timetable for academics which includes theoretical subjects, laboratories, forum activities, and projects in line with the VTU calendar of events and the Institute Calendar. ? The absenteeism of the students is closely monitored and the parents are informed through SMS by the respective class teachers. ? All Departments organize invited talks, Webinars and Seminars for the students by

inviting experts from Industry and Academia. ? All Departments take a proactive role in augmenting the knowledge of students beyond the curriculum with hands-on experience on current technologies through theme-based Workshops and Student Development Programmes. ? All Departments regularly conduct faculty meetings to take cognizance of the coverage of the syllabus (theory, labs, and other academic-related activities). ? Regular student counseling is conducted by mentors of the department to identify and solve the student's problems. ? The feedback will be taken from the students to evaluate and improve the teaching-learning process. 2. During Covid-19 Pandemic and subsequent complete Lockdown, the Institute immediately took decision to conduct classes through ONLINE mode and effectively completed the Syllabi well within the stipulated time and this measure was well appreciated received by the students and parents across all the Branches and Semesters.

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
Curriculum Development	The scope is limited as the college is affiliated to Visvesvaraya Technological University. We adhere to the syllabus prescribed by the university. Currently Choice Based Credit System (CBCS) is followed. Based on the inputs, calendar of events is prepared both at institutional level and at department level. In Institutional academic calendar of events, internal test dates are clearly specified to help faculty to cover syllabus well in advance and for students to prepare for IA tests. For the smooth conduct of classes, class time table for each semester is prepared after subject allotment process. Bridge courses are planned and conducted for the students.
Teaching and Learning	Smart panels, LCD projectors and other ICT tools are provided. Online lectures were conducted using the licensed zoom platform due to the pandemic and course materials, assignments and assessments were carried out through the Google Apps. Project based learning introduced for every course in the curriculum. INTUIT project exhibition is organized every year and the best project is awarded. Seminars, SDPs and workshops are conducted for the students by subject experts. The students are encouraged to participate in various technical events and MOOCs to empower their skills. The college library provides resources like

various textbooks, journals and university question papers. In addition to this, the library facility is also extended to the students at department level.

Examination and Evaluation

The office of Controller of Examinations (COE) is in charge of conducting and coordinating Continuous Internal Evaluation (CIE) and the Semester End Examination (SEE). Three IA tests are conducted and after each IA test, blue books (answer books) are evaluated by the faculty as per scheme of evaluation. Concept of Rubrics is used for evaluation process to bring in uniformity in evaluation. Students are given an opportunity to verify IA marks and get clarification from concerned faculty, after each IA test. Question bank for each subject is prepared based on course outcome and RBT levels. This will be scrutinized at the department level and then sent to IQAC cell for further scrutiny. Due to the rise in pandemic, the internal assessment tests are conducted through the licensed zoom platform and Google Classroom.

Research and Development

Departments are continuously applying for Research Funding from VGST, DST, ISRO, DRDO, VTU and others. The departments of Mech, CSE, ECE, MBA, Maths, Physics and Chemistry have Research Centres approved by VTU. The publication and presentation charges of Staff and Students papers are sponsored by the management. Faculty pursuing Ph.D and supported with vacations and special leaves for research publications, experimentations, presentations, comprehensive/Doctoral Committee meeting/open seminars/colloquiums etc,. All the Departments Research and Development centers involve students and faculty for executing in house projects which are funded by the college. Special Interest Groups(SIG) projects carried out by the students and faculty are encouraged and funded by the college management.

Library, ICT and Physical Infrastructure / Instrumentation

Library at CITech provides the access even beyond the college hours and provides study sections available for the students. The total seating capacity is 250 students. The library is open for all the students and staff on all the days including holiday's.

There are more than 30203 books, 81 journals and 8 e-resources. The library uses ICT tools like OPAC, VTU Consortium and Knimbus. Library is fully automated using library management software - LIBSOFT and can be accessed using the link <https://engg.cambridge.edu.in/library/>. ICT like Smart panels, LCD projectors based teaching is adopted. Licensed zoom platform is used to carry out the remote teaching-learning. There are 1092 computers in the Institution are stand alone, but are networked. Wi-Fi facility is available with 130 Mbps 1:1 connectivity (30 Mbps BSNL 100 Mbps Tata tele services) accessible to all the stake holders. The institute has lecture halls equipped with LCD projectors and LAN facility. Building maintenance pertaining to cracks and physical damages will be attended by in house maintenance team. Painting for the entire building is carried out once in two years. Lawn and garden are maintained on a regular basis. Individual departments will play a key role in calibrating the equipment and instruments. The departments will periodically calibrate the equipment and instruments to ensure proper functioning. Power to the majority of equipment/instruments is supplied through UPS and hence there are minimal chances of power fluctuations. Meters and gauges are calibrated once in two years.

Human Resource Management

The college has separate departments such as housekeeping, Library staff, Administrative staff, hostel staff, security, Placement cell, department level faculty and staff. Every recruitment is carried out with the strict process as defined by the College Primer. The department level heads take care of the management of Human Resources as defined the college Guidelines.

Industry Interaction / Collaboration

The college has well established Industry interaction/incubation cell. Each department has established their own collaboration and industry interaction with faculty initiatives. The collaborations are with Samsung R D- Bangalore, Elvero Netherland, Saint Gobin- Bangalore, Rakya Technologies, SCII-Tumkur.

Admission of Students	<p>Actions supported in consistent and quality admissions</p> <ul style="list-style-type: none"> •Advertisement in News Papers and TV News Channels •Creating awareness about courses and market trends •Counseling before and during admission process •Enhancing Training and Placement activities. •Offering Value Added programs in consultation with Industry experts <p>Admissions to all UG and PG Programmes are done according to Govt. of Karnataka, Director of Technical Education (DTE) and VTU regulations. Admissions are as per the regulation of Government of Karnataka through CET and COMED-K for UG, PG CET for PG and management quota for both UG and PG. The fee structure for CET/COMED-K/PGCET QUOTA is as per Govt. of Karnataka norms.</p>
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6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Finance and Accounts	LYCEUM
Student Admission and Support	LYCEUM and LIBSOFT(Library Management System)
Examination	VTU QPDS and Web Portal

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
2020	Prof. Bharani R	Big Data Computing	NPTEL Online Course	600
2020	Prof. Sapna	Introduction to Internet of Things	NPTEL Online Course	500
2020	Dr. Satyanarayan Reddy	innovation by Design	NPTEL Online Course	500
2020	Dr. Satyanarayan Reddy	Design Thinking	NPTEL Online Course	500
2020	Prof Bhagya Shree	IJACSA	International Journal	12700
2020	Prof Geetha P	Introduction to machine learning	NPTEL Online Course	550
2020	Dr. Josephine Prem Kumar	Advanced Computer	NPTEL Online Course	600

		Architecture		
2020	Prof. Jayanthi M G	Machine Learning	NPTEL Online Course	550
2020	Prof. Jayanthi M G	Computer Vision	NPTEL Online Course	600
2020	Prof. Jayanthi M G	Data Science for engineering	NPTEL Online Course	550
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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)
2020	FDP on Contemporary tools and techniques for teachers and researchers in higher education: Experience of using virtual classrooms	Nil	09/05/2020	09/05/2020	112	Nil
2020	Power Generation and Indian Energy Scenario	Nil	16/05/2020	16/05/2020	236	Nil
2020	Physical Unclonable Functions -IOT Security for smartgrids	Nil	22/05/2020	22/05/2020	204	Nil
2020	Product Development and Challenges	Nil	22/05/2020	22/05/2020	339	Nil
2020	Workshop on recent trends in civil engineering	Workshop on recent trends in civil engineering	29/08/2019	30/08/2019	15	3

2020	Webinar on Machine Learning, Digital Twins and Self Organized Methods	Nil	29/05/2020	29/05/2020	37	Nil
2020	Webinar on Cyber Security	Nil	29/05/2020	29/05/2020	37	Nil
2020	Webinar on Funding Opportunities - Proposals and Research projects for faculty in association with NAFEMS	Nil	18/06/2020	20/06/2020	120	Nil
2020	"Prevention, Screening and Awareness about the cancer in Female" Under the aegis of IQAC	Nil	17/06/2020	17/06/2020	150	Nil

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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
Evolve-Faculty Development program	1	19/11/2019	25/11/2019	7
Big-Data Analytics and PYTHON Programming	2	01/08/2019	13/08/2019	13
FDP for Student induction	2	23/07/2019	29/07/2019	7

Artificial Intelligence and machine learning	2	01/07/2019	13/07/2019	13
Contemporary tools and techniques for teachers and researchers in higher education.	4	09/05/2020	09/05/2020	1
IoT Stack-End to End Security Consideration	5	26/05/2020	26/05/2020	1
webinar on IOT and Cyber Security- an Industry Perspective	2	23/05/2020	23/05/2020	1
Webinar Series on Satellite and Automation	2	11/05/2020	13/05/2020	2
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
18	18	3	3

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Employee Provident Fund (EPF), Casual Leave 12 days per year. Two weeks of vacation during Odd and Even semester end. Medical Insurance for Employee. Encouraging faculty for Ph.D., Faculty pursuing PhD in College Research centres are given concession in tuition fee. Partial registration fee for attending conference is extended to all faculty. Financial assistance for child education.	Employee Provident Fund (EPF), Casual Leave 12 days per annum, Medical Insurance, Free transport facility. The children of Non-teaching are provided with college fee waiver.	Sponsoring for various Workshops Conferences by compensating Registration Fees, TA DA, etc., Deputing students to various Value Added Training Programmes and in House training Programs to improve employability. Encouraging students to participate in Sports, NSS, NCC, Tech Fests, Youth fest activities. Providing Transport facility for Industry Tours, to attend Off Campus interviews, etc. Create awareness Regarding Govt. Scholarships, Loan to

minorities, loan facility for needy. The Placement and Training Cell provides Career Guidance to improve the students employability. Value Added Courses offered to the students beyond the syllabi.

6.4 – Financial Management and Resource Mobilization

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

Prior to the audit, the Auditor conducts a preliminary planning and information gathering phase. The assigned auditor defines the audit objectives and likely scope of the audit. The auditor starts to develop the audit program to define the audit testing procedures. Once the audit objectives have been defined, Auditor formally issues an audit engagement memo to the management of the area that will be audited. During the audit fieldwork, detailed testing of transactions is performed evaluate compliance with existing university policies and adherence to external regulations, and review system-related controls for data integrity and completeness. At the conclusion of the fieldwork, Auditor formally meets with management to discuss issues and audit recommendations that will be contained in the audit report. The auditor issues the formal audit report which is used to inform senior university administrators and client management about any identified concerns and control weaknesses, and where and how these areas should be addressed. All audit reports are summarized in a separate report to the Trustee Audit, Risk, and Compliance Committee.

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
Citech	80000	SIG Projects
View File		

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	Nill	Nill	Yes	Internal Audit Committee
Administrative	Nill	Nill	Yes	Internal Audit Committee

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

- Every department arranges for a parent-teacher meet twice a semester preferably during a weekend. The parents are invited by the faculty members. Parents are provided with details such as their ward's academic performance, university results, Class attendance, Behavioral issues (if any) and other related issues. If the students have some issues like irregularity, loss of concentration, who seek help from their mentors for such students the HOD

arrange tutorial classes and ensure that the student attends all such classes.

Some of the students are also counseled by considering the feedback from parents. • At the beginning of every academic year inaugural function of UG and PG is organized, the parents are invited and academic expectations from their wards are informed to the parents. The parents are informed about the rules and regulations, scholarships, value-added courses provided by the institution from time to time. Parents are part of IQAC and Grievance Cells. • Parents are invited during Graduation day and their valuable feedback to improve the teaching-learning process and value additions are collected and action is initiated for implementation of suggestions that are beneficial for the Institution and it's stakeholders

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

• The support staff were given training on Road safety, Swatch Bharath, and disposal of waste by segregating the wet and dry wastes. • They were trained on how to keep the campus and departments clean. • Orientation Programme, Computer, and skill-based training Improvement Programme were conducted on self-grooming. • The support staff is provided with health facilities and uniforms.

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

• Continuous assessments of POs, PSOs, and course files are being conducted at the department level by senior faculty members. Assessments and attainments of POs, PSOs, targets and result analysis based on the results of every student in the internal and external examination are being conducted as soon as the results are announced by Visveswaraya Technological University. • Five-day FDP for teaching faculty is conducted every Semester during the semester breaks where the experts from various Institutes and Corporate world are invited to deliver talk on the topics like how to improve teaching and learning, counseling of students, yoga, healthier habits, etc. All the faculty members are guided, encouraged and supported to publish research papers in reputed Scopus indexed journals. • Faculty members were trained on Video editing tools and were encouraged to produce quality videos on the subjects that they teach. They were also trained and encouraged to upload videos on the Platforms such as YouTube (Department wise YouTube channels)/ WhatsApp. As a result, 100s of videos were made and uploaded by each department faculty members in the aforementioned platforms. Such measure was well received and appreciated by our own students and the students of other Engineering colleges affiliated to VTU.

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
2020	Online FDP on Contemporary Tools Techniques for Teachers and Researches	09/05/2020	09/05/2020	09/05/2020	125

	in Higher Education				
2020	Machine Learning Digital twins and self organized Methods	29/05/2020	29/05/2020	29/05/2020	125
2020	Emotional Well Being by Dr. Surbhi	06/04/2020	06/04/2020	06/04/2020	122
2020	One day national Seminar on AICTE Quality Initiative and Sensitization of Technical Teachers Training	06/12/2019	06/12/2019	06/12/2019	123
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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
Women's day celebration	13/03/2020	13/03/2020	62	35
Health awareness and pollution control	11/10/2019	11/10/2019	42	Nil
Innovation and Entrepreneurship	25/10/2019	25/10/2019	45	30
Introduction to competitive programming IETE student Forum	17/09/2019	17/09/2019	27	25
Effective Communication & Competitive Examinations	16/08/2019	16/08/2019	12	35

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

The institute creates Environmental Consciousness and Sustainability amongst stakeholders through various interventions. With the help of Vedan NGO, a special session for students, faculty and staff was conducted to create awareness on environmental Consciousness and Sustainability. In a move to opt alternate energy resources institute has installed a solar panel system in hostel to facilitate hot water shower for students. The total power saved for this purpose is 120 Units/Day (Average). Close to 900 Hostel residents are using the Hot Water facility. In addition solar wind hybrid power generation is being used to light LEDs (5-6 Bulbs). Nearly 50 saplings of different plant varieties were planted by students of MBA on campus as a part of sustainability initiatives. Conscious efforts are made to switch off lights and fans when not in use, to save energy. Cleanliness drive is organized to create awareness and motivation among students to keep the environment clean.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1
Ramp/Rails	Yes	1
Braille Software/facilities	No	Nil
Rest Rooms	Yes	1
Scribes for examination	Yes	Nil
Special skill development for differently abled students	No	Nil
Any other similar facility	No	Nil

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
2020	1	1	30/07/2020	1	Police Constable Exam	NIL	420
2020	1	1	31/07/2020	1	Police Constable Exam	NIL	980
2019	1	1	03/11/2019	1	KVPY	NIL	1250
2019	2	2	01/12/2019	8	UGC NET	NIL	4800

2020	1	1	05/01/2020	1	XAT	NIL	500
2020	1	1	20/01/2020	1	NET	NIL	500
2020	1	1	05/01/2020	1	NEET PG	NIL	477
2020	2	2	06/01/2020	4	NTA JEE	NIL	3816
2020	2	2	01/02/2020	2	GATE	NIL	2250
2020	1	1	08/02/2020	1	GATE	NIL	850

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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)
Code of conduct v2	02/09/2019	The review committee suggested to include the roles and responsibilities of Principal, Faculty and students along with code of conduct. Accordingly the revised draft code of conduct was prepared and submitted for review. (https://engg.cambridge.edu.in/code-of-conduct/)

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
"A healthy mind in a healthy body"	11/02/2020	11/02/2020	600
Talk on Environmental Pollution	11/02/2020	11/02/2020	600
Traffic Awareness Program	11/02/2020	11/02/2020	600
Solid Waste And Its Management	13/02/2020	13/02/2020	600
Creative Arts And Human Values	15/02/2020	15/02/2020	600
Pranayama Session	14/02/2020	14/02/2020	600
Proficiency Module (Experiential Learning)	13/02/2020	13/02/2020	600
Health Checkup	10/02/2020	10/02/2020	250
Seminar on Health Awareness and	11/10/2019	11/10/2019	60

pollution control

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

1. Zero waste campus was one of the major initiatives taken to ban all one time use plastic items.
2. "One plant two students" drive was organized wherein two students adopted one plant and they would take care of it till they complete their studies and hand it over to their immediate juniors to be taken care after they graduate.
3. Wet waste management through compost pits: Compost pit was created to dump all wet waste generated on campus. The compost generated out of it is used for all the plants at trees at campus.
4. Dry waste management: MoU with ITC is signed to manage dry waste in the campus. All dry waste is stored in one place and the team from ITC comes on a regular basis and collects the dry waste for further processing from the campus.
5. Paperless Communication: In order to save paper, paperless communication was initiated and most of the communications including invitation cards etc. were predominantly done electronically.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Title of the practice: Quality Management Practices - Objectives: 1. To develop a system for conscious, consistent and catalytic programmed action to improve the academic performance of Cambridge Institute of Technology. 2. To promote measures for the functioning of the Institution towards quality enhancement through internalization of quality culture and institutionalization of best practices. 3. To ensure stakeholders connected with Engineering Education, namely parents, teachers, staff, prospective employers and society in general, of the accountability of the college for its own Quality and probity. Context: The change in dynamics of the students learning pattern and the growth of technologies arises the need for a transformative learning environment that assures quality. The motive behind setting up of this practice is to maintain the momentum of quality consciousness which is crucial in academics at various levels. It is meant for planning, guiding and monitoring Quality Assurance and Quality Enhancement activities of academics. The Practice: This system shall evolve mechanisms and procedures for: • Development and application of quality benchmarks and parameters for the various academic activities of CiTech. • Facilitating the creation of a learner-centric environment conducive for quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process. • Maintenance of quality standards in teaching, learning and evaluation. • Arrangement for feedback responses from students, parents and other stakeholders on quality-related institutional processes. • Dissemination of information on the various quality parameters of higher education. • Organization of inter and intra Institutional workshops, seminars on quality related themes and promotion of quality circles. • Development and maintenance of Institutional database through MIS (Management Information System) for the purpose of maintaining /enhancing the institutional quality. • The credibility of evaluation procedures. Evidence of success: The successful functioning and accomplishment of this practice is measured through: • Documentation of the various programmes /activities of CiTech leading to quality improvement. • Periodic assessment and auditing report to ensure admirable, commendable and well-defined Teaching - Learning process. • Preparation of Annual Quality Assurance that details tangible results in key areas of quality sustenance

activities, specially identified by the Institution. 2. Title of the practice: Institute Process Primer - Objectives: 1. To adopt and achieve Outcome Based Education (OBE), a powerful and appealing way of reforming the Education. 2. To build a student-centered instruction model that measures performance of students through outcomes. 3. To focus on the skills and results achieved by the students as the most important aspect of Education. 4. To facilitate Teaching-learning process that develops the requisite knowledge, skills, attitude and habits of students. 5. To mandate academic administration in order to achieve excellence and global standardization. Context: 1. Need for a process that assures continuous quality improvement and to promote excellence in academics, 2. To prove that an Institution has satisfied all requirements for satisfactory operation and maintenance of quality in academics. The Practice: Institute Process primer shall evolve mechanisms and procedures for: 1. Assessment of Institution's compliance with Accreditation standards. 2. Collection of data to attain program outcomes. 3. Attainment of Quality assurance. 4. Assuring confidence and quality to various stakeholders . 5. Setting up guidelines and standards to normalize the process across the departments. Evidence of success 1. Assessment reports of tests and assignments. 2. Assessment reports of teaching staff, lecture material and flow, results, student capabilities, lab interview, exit survey etc., 3. Self-assessment reports, based on instructions and guidelines for the conduction of workshops and training programs. 4. Feedback from alumni, Industry and other stakeholders. 5. Rubrics for conduction of labs, seminars and projects

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

<https://engg.cambridge.edu.in/wp-content/uploads/2021/05/BEST-PRACTICES-19-20-1.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

ENHANCED EXPERIENTIAL LEARNING: The primary objective of the institution is to impart quality Education and to evolve into a premier Institution. The Institution also aims at vitalizing the learning skills with a focus on futuristic demands, vitalizing teaching learning process, ICT and Human Values enabling students to become competent to face the challenges in the society. With an emphasis on experiential learning, the institution stands out from the other colleges by placing greater emphasis on producing professional students by providing outcome-based Education and enabling the students to face challenges in modern life. The institution adopts quality in every step of its way to accomplishment such as recruiting quality Teachers thereby ensuring quality teaching with modern tools and aids, assuring the quality of internal assessments and question papers through IQAC (Internal Quality Assurance Cell) and exposing the students to practical knowledge by giving hands on experience on latest technologies. Project Exhibition at Cambridge Institute of Technology is hosted every year, which aims at tapping the infinite potential of the young minds to generate an idea, which when given a proper platform, can transform into a path-breaking discovery. This platform has helped in providing good experiential learning to the students. The institution has provided the best possible infrastructure for teaching, learning and sports activities to make a student, complete in all dimensions. The Classrooms, Laboratories, Smart classrooms, Group discussion halls, Library, Solved Question bank for all the subjects and Administrative office are highly conducive to the overall academic environment. The Institution provides the best infrastructure and amenities required for students to enhance their Technical skills, Academics, and Extra-curricular activities and brings out the best in them. The college produces 90

percent results on an average consistently. To bring out the concealed talents of the students every year, the institution conducts "Chiguru", - a cultural extravaganza. This event throws light on various arts and thus pushes the students to excel in Co-Scholastic areas as well. CHIGURU witness a footfall of 15,000 students every time. Many events such as Battle of Bands, Fusion Dance, Specials, Fashion Show, Solo singing, Group singing, Counter Strike, Sketching Mime, Folk Dance and Indian Filmy Dance etc., are conducted every year. The Institution hosts fully equipped grounds for athletics, tennis, basketball, indoor badminton courts, and volleyball courts. As a result, students have performed well in state and national level sports events and secured many medals. A plethora of activities is hosted by every department from time to time. Public Relations Cell keeps all stakeholders informed of all these activities every month through college magazine "Cambridge Times". Cambridge offers students the best academic values in the campus. We focus on the wellness of students during their tenancy at Cambridge and even after graduation by joining them the strong alumni committee "CONVERGENZA".

Provide the weblink of the institution

<https://engg.cambridge.edu.in/wp-content/uploads/2021/05/Institute-Distinctiveness-19-20-1.pdf>

8.Future Plans of Actions for Next Academic Year

Introduction of Learning and Development programme for students: It was discussed in the meeting with the management and also suggested that the Technical and softskills for students can be provided by the faculty members and the assessments can be continued with the agencies with whom the Institution is already having MoUs. Only company specific training to be provided by external agencies. In this connection, a transformation hub will be setup leading to skill enhancement of students and make them Industry ready. A detailed plan will be prepared comprising of Technical and softskills inputs and also faculty members who will be interested to handle the sessions. ICT enabled teaching: The head of the Institution and the members discussed the importance of ICT enabled teaching and suggested to have a better utilization of ICT tools by all faculty. Online certification courses for faculty and students It was decided to encourage both students and faculty to work towards the online certification courses. It was suggested to inform the students about the different online course platform and also the list of courses offered for the benefit of students. Emphasis on enhanced teaching learning techniques: To move towards academic excellence the course planning to be done by the course instructors with more focus towards enhanced TLP and also work towards better accreditation points. Business Plan Initiatives: In order to align with Vision 2025 of Cambridge Institute of Technology, each department will be provided with necessary input and support mechanism to design Business Plan.