



Yearly Status Report - 2018-2019

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. Suneel Kumar Kulkarni
Phone no/Alternate Phone no.	08025618799
Mobile no.	9844203368
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/2021/04/AQAR-17-18.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-18-19.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

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
Decided to scrutinize the IA test question papers	02-Jul-2018 1	18

at the department level and then corrected question papers were sent for next level of scrutiny to IQAC Cell under the office of COE, by a central scrutiny team established by the office of Principal.		
Vision and Mission statements were revisited as the institutional vision and missions were corrected which necessitated the change in individual departments Vision & Mission.	23-Nov-2018 1	18
Process primer was developed; draft copy was reviewed rigorously and published. Printed Copies of the process primer were circulated to every department for their reference.	05-Jan-2019 1	18
It was decided by the council of HODs to encourage student projects from first year.	16-Apr-2019 1	18
View File		

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 ME	FDP	DSIR	2018 600	800000
CiTech CSE	FDP	VTU	2018 15	25000
CiTech ECE	FDP	VTU	2018 15	25000
CiTech CSE	Project	MICRO EXPRESSIONS	2019 180	18000
CiTech EEE	Student Project	KSCST	2019 180	8000
CiTech ME	MODROBS	AICTE	2019 730	1156000
CiTech ME	PROJECT	AICTE	2019 1095	1253000
View File				

9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	4
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
12. Significant contributions made by IQAC during the current year(maximum five bullets)	
Vision and Mission statements of the departments were revisited.	
Development of Process Primer.	
Student Project Exhibition - INTUIT.	
Scrutiny of IA question papers.	
Submission of IA question papers to COE.	
<div style="text-align: center;">View File</div>	
13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year	
Plan of Action	Achivements/Outcomes
Vision and Mission statements of the departments were revisited	Vision and Mission statements of the departments were revisited in line with the Vision and Mission of the Institution. Brainstorming sessions were carried out at the department level and Vision and Mission statements were suitably modified and finalized.
Project Exhibition - INTUIT	INTUIT was successfully conducted and students from the first year to final year exhibited the projects which they carried out during the semester. Awards were given under various criteria such

as best innovation, best project of social relevance under each theme. About 700 projects were exhibited.

IA process

Three sets of question papers for each subject were prepared and scrutinized first at department level. After incorporating the suggestions/corrections department level the Question Paper in three sets were presented to the central scrutiny team. The Central scrutiny and IQAC team meticulously carried out scrutiny and the corrections were suggested. After all the question papers were scrutinized, the question papers (in 3 sets) for a semester were put in a zipped folder and these zipped folders were communicated to the COE through e-mail from the HOD of respective department.

[View File](#)

14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing Council	23-Jun-2018

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

Yes

Date of Visit

13-Feb-2019

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2019

Date of Submission

01-Mar-2019

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

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 fee management system, financial accounting

for complete maintenance of college account which includes all financial transactions. The IMS module is a student information management system for maintaining complete student database. The software also contains admission management system for maintaining the records of first year students. Payroll is separately used for salary, PF, TDS etc. The College library is also automated and the information regarding availability of books, issue details, etc., is available to the students and staff. An online public access catalogue OPAC is implemented to enable the students for speedy and convenient access to the library catalogue. All the academic and administrative issues are discussed in the appropriate Committee meetings. The suggestions are incorporated for the 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 the 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, setting up institutional awards, fixing criteria for admission and research, recruitment of faculty based on new syllabus requirement. 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 Head of the department and senior faculty. As academic head of the institution, 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 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, the class time table for each semester is prepared after the subject allotment process. Bridge courses are planned and conducted for the students at the beginning of each and every semester. For each class, a class teacher is assigned to take care of requirements of students of that class. Course teachers prepare lesson plans well in advance which includes flipped class details. In accordance with the course objectives and course outcomes specified

by VTU, CO-PO and CO-PSO matrix is framed along with necessary justifications and the same is updated in lesson plan. In each department, student counselling is initiated by assigning 15 - 20 students to each faculty. Faculty counsellors 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 the 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 are used. In the teaching-learning process 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, blue books (answer books) are evaluated by the faculty as per scheme of evaluation. Rubrics are used for the evaluation process to bring in uniformity in evaluation towards continuous internal evaluation. Students are given an opportunity to verify IA marks and get clarification from concerned faculty, after each IA test. Performance is communicated to parents through SMS and Progress report is posted to their permanent address.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
Infosys Campus Connect	Nil	06/08/2018	180	Focus on Employability	DBMS, JAVA
Applications of Networks Security Issues	Nil	14/08/2018	1	Focus on Employability	Networking
Research Methodology	Nil	22/08/2018	1	Focus on Employability	Research Concepts and Analysis
Startup Engineering	Nil	28/08/2018	1	Focus on Entrepreneurship	Entrepreneurship
Cyber Security Ethical Hacking	Nil	25/09/2018	3	Focus on Employability	Cyber Security
Android App Development	Nil	28/09/2018	2	Focus on Employability	Android
Circuit prototyping	Nil	04/10/2018	1	Focus on Employability	Circuit Debugging
Embedded system	Nil	22/10/2018	1	Focus on Employability	Embedded systems
Web development	Nil	26/10/2018	1	Focus on Employability	Web Technology
Arduino	Nil	17/11/2018	1	Focus on E	Arduino

programming					employability	
Matlab for beginners	Nil	17/12/2018	1	Focus on E	employability	Matlab
Internet of Things	Nil	02/02/2019	1	Focus on E	employability	IoT
Circuit Prototyping	Nil	06/02/2019	1	Focus on E	employability	Circuit Debugging
Enterprenu rship Awareness Camp	Nil	18/02/2019	1	Focus on E	ntrepreneurs hip	Entreprene urship
Recent Advancement in Solar Energy Applications	Nil	20/03/2019	1	Focus on E	employability	Renewable Energy
A workshop on "Stock Mind" by ICICI Direct	Nil	19/11/2018	1	Focus on E	employability	Investment and Trading Skills
Workshop Big Data and analytics for management p rofessionals	Nil	04/04/2019	1	Focus on E	employability	Data Analytics
Android Application Development	Nil	25/03/2019	1	Focus on E	employability	Android

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Mtech	Digital Electronics	10/04/2018
View File		

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	20/06/2018
BE	ISE	20/06/2018
BE	ECE	20/06/2018
BE	EEE	20/06/2018
BE	CV	20/06/2018
BE	ME	20/06/2018
MBA	Finance, Marketing and HRM	27/06/2018
MCA	MCA	27/06/2018

Mtech	Digital Electronics	10/04/2018
Mtech	Machine Design	20/06/2018
Mtech	Computer Networks Engineering	20/06/2018

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

	Certificate	Diploma Course
Number of Students	1673	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
Three day Entrepreneurship Awareness Camp (EAC)	02/02/2019	30
Cyber Security	28/08/2018	26
Startup Engineering	25/09/2018	170
Cyber Security and Ethical hacking	28/09/2018	20
Applications of Networks Security Issues	06/08/2018	57
Research Methodology	28/08/2018	162
Android App Development	17/12/2018	71
Live Surgery of IC Engine	18/08/2018	200
3D Printing Workshop	28/09/2018	53
Workshop on Arduino	14/08/2018	50
View File		

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, ME, CV, EEE, ECE	446
MCA	MCA	51
MBA	Finance, HRM, Marketing	231
View File		

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 has established an Academic Council/Academic Monitoring Committee in order to ensure and analyze academic excellence at student and faculty levels. Periodical analysis is made by Academic Council about student performance, faculty performance in every semester, utilization of infrastructure and requirements for quality enrichment. The college maintains IQAC as a quality assurance and quality enhancement measure. Under supervision of IQAC, various departments and committees like Career Guidance, Anti-ragging and Sexual Harassment Committee, etc reinforce the curriculum by incorporating updated information and diurnal social issues. Institute also interacts with stakeholders viz. Students, Parents and Teachers and discuss about Curriculum which is prescribed by the university. Parents meeting is conducted two times in each semester and their feedback is taken and incorporated for betterment of Institute. The college conducts an annual Alumni Meet, in which suggestions and feedback is received from Alumni students. The received feedback data is presented to the Academic Council Meeting for necessary enrichment program as add-on to curriculum. Alumni surveys are conducted during Alumni interaction at the Alumni Association meeting held every year. The feedback from Alumni is collected whenever they visit the campus. Based on the feedback the necessary corrective actions are initiated such as enhancing the existing labs to the state of Art Labs., Many sophisticated equipment were added to support active research, extension activities were incorporated as a part of curriculum to benefit student, faculty and all stakeholders. Workshops related to human values, seminar on conservation of environment and protection of bio diversity were inducted. The Alumni feedback helped the Institute to introduce skill development and software training to stakeholders.

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
Mtech	CSE, DE, MD	54	31	31
MCA	MCA	60	21	21
MBA	HRM, Finance, Marketing	120	120	120
BE	CSE, ECE, ISE, CV, ME, EEE	720	660	660

[View File](#)

2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses

2018	660	172	155	23	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
187	154	13	44	1	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 through the in-house designed mentor booklet, all academic and non-academic details of the students are collected and maintained by the mentor during the course of completed program. 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. Through mentoring, Students who have problems with respect to attending classes, can approach the Head of Department for guidance. If any personal issues are identified, then it is brought to the notice of HOD by mentor. Parents are informed to meet HOD, if needed and issues are resolved amicably.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2826	187	1:15

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
207	187	20	37	6

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr. Suresh L	Principal	Sadhana Prakasha Award
View File			

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
Mtech	CSE, DE, MD, CNE	II IV	11/07/2019	01/09/2019

MCA	MCA	II IV VI	10/07/2019	01/08/2019
MBA	MBA	I III	15/02/2019	01/04/2019
BE	CV, CSE,ECE, EEE,ISE, ME	I III V VII	15/02/2019	01/03/2019
BE	CV, CSE,ECE, EEE,ISE, ME	II IV VI VIII	12/07/2019	01/08/2019
MBA	MBA	II IV	03/07/2019	01/09/2019
MCA	MCA	I III V	20/02/2019	01/04/2019
Mtech	CSE,DE,MD,CNE	I III	22/02/2019	01/04/2019
View File				

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 timetable 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, similar to that of the University question paper. The Revised 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 etc. Rubrics is well defined for both direct and indirect assessments. 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 checking of lesson plan sheets, 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/igac/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
MD	Mtech	Engineering	2	2	100
CSE	Mtech	Engineering	7	7	100
MCA	MCA	MCA	52	51	98.07
MBA	MBA	MBA	102	85	83.33
ME	BE	Engineering	112	95	84.82
ISE	BE	Engineering	50	49	98
EEE	BE	Engineering	33	31	93.93
ECE	BE	Engineering	102	100	98.03
CSE	BE	Engineering	134	130	97.01
CV	BE	Engineering	51	44	86.27

[View File](#)

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-18-19.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
Major Projects	600	DSIR	8	0
Major Projects	15	VTU	0.25	0.25

Major Projects	15	VTU	0.25	0.25
Minor Projects	730	AICTE	11.56	0
Minor Projects	180	MICRO EXPRESSIONS	0.18	0.17
Minor Projects	180	KSCST	0.08	0.08
Interdisciplinary Projects	1095	AICTE	12.53	0
Any Other (Specify)	180	CiTech	0.82	0.82
View File				

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 - Machine Learning	CSE, ISE	09/07/2018
Cyber Security Compliance Awareness Workshop	CSE	28/08/2018
Workshop on Cyber Security and Ethical hacking	CSE, ISE	28/09/2018
Technical Talk on Cloud Computing - Industry Perspective	CSE	26/10/2018
Live Surgery of IC Engines Workshop	ME	18/09/2018
3D Printing Workshop	ME	28/09/2018
Recent advancement in solar energy applications	ME	04/10/2018
Entrepreneurship awareness camp	ME	18/02/2019
Seminar on Application of power Electronics in RADAR	EEE	02/11/2018
Guest lecture on Entrepreneurship awareness program for women	EEE	06/10/2018
Workshop on Printed Circuit boards	EEE	29/08/2018
Workshop on Electrical System Design	EEE	30/08/2018
Workshop on Embedded systems and Robotics	EEE	19/09/2018
Technical talk on	ECE	06/02/2019

wireless cellular and evaluation and features		
Workshop on Circuit prototyping	ECE	25/03/2019
Workshop on Web development	ECE	02/02/2019
Workshop on Arduino	ECE	14/08/2018
Five day FDP on IoT and Python	ECE	28/01/2019
Android App Development	ISE	17/12/2018
Object Oriented Programming Concepts In JAVA, Mr.Abhay Srivastav, Besan Tech.	MCA	22/03/2019
Fostering India For Industry 4.0, ICT Academy, Bangalore.	MCA	26/09/2018
Talk on Industry Opportunities and Internship, Mr.Ravi Kumar, who is the manager at LiveWire Pvt Ltd, Chennai,	MCA	06/08/2018
Technical Talk on Disaster Management	CV	28/02/2019
Technical Talk on Mars Orbit Mission	CV	19/03/2019
Two Day Workshop on CIVIL Simplified	CV	01/03/2019
"Motivational talk"	CV	09/03/2019
Leadership enhancement skills	CV	29/01/2019

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
Excellent Researcher	Prof. Sagar K.G.	UMC	01/04/2019	Excellent Researcher
Poster Presentation	S. Yeshodamma	VTU	12/09/2018	Poster Presentation
Technical crossword competition on Electrical sciences	Suraj, Prabhu Tejas	CiTech	26/04/2019	ISTE Students chapter
Micro Controllers	Satyam Raj	Texas instruments	19/10/2018	Online Design contest
Shark Tank	Satyam Raj	New Horizon College of Engineering	28/09/2018	Best Design

Research Excellence Award 2019	Varalatchoumy M	Institute of Scholars	10/06/2019	Research Excellence
Emergency Traffic Control System	Aash Parashar, Abdul Kayes, Adwithi, Ashwini S Kumar	CiTech - Intuit	16/05/2019	Best Project Award on Social Relevance
Mind Controlled Wheel Chair	Krishna Pradeep, Dilip, Binoy Raj, Deepesh	CiTech - Intuit	16/05/2019	Best Project Award on Innovation
Web Based Bus Tracking System	Mohammed Azam, K Satyan, Kruthika S, Swathi V K	CiTech - Intuit	16/05/2019	Best Project Award on Design
Brain Controlled Home Automation	Pranav Kathiyar, Sneha Lal, Purshotham Kumar, Himanshu Kumar	CiTech - Intuit	16/05/2019	Best Project Award on Overall Excellence

[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
Nill	Nill	Nill	RPL Techno Services Pvt Ltd	Web Development and Projects	01/03/2019

[View File](#)

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
2500	5000	10000

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

Name of the Department	Number of PhD's Awarded
ECE	1
MCA	1
ME	1
BS	2
CSE	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	MBA	2	5.5
International	ECE	5	2.16
International	CSE	7	1.06

International	ISE	2	5.87
International	BS	10	1.81
International	MCA	1	2.50
International	ME	18	Nil
International	EEE	1	1.8
International	CV	2	7.2
International	MBA	1	3.70
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	7
MBA	2
ME	6
EEE	1
BS	4
ISE	1
CSE	3
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
Study on Design and FE Static Analysis of Cabin Structure	Dr. Arun L R	IJSRD-International Journal for Scientific Research Development Vol. 6, Issue 06, 2018	2018	1	CITECH, Bengaluru	1
Intravenous Flow Monitoring System	Archana.K.	International Journal of Advanced in Management Technology and Engineering Sciences	2019	1	CITECH, Bengaluru	2
Optimization of	Dr. Arunadevi	Journal of	2018	6	CITECH, Bengaluru	6

Fuzzy Multi-Product, Multi-Period Model to Select Supplier for Deteriorating Products While Considering Uncertainty As Well As Backorder	M	advanced research in dynamical and control system (SCOPUS)				
A Survey on Railway Freight Wagon	Dr. Shankar S	Springer-Lecture Notes on Multidisciplinary Industrial Engineering	2018	1	CITECH, Bengaluru	1
Traffic management with emergency services using SmartIoT	Mr. Krishna Kumar P R, Dr. Chandra Mouli Dr. Udaya Kumar	International Journal of Engineering Science and Computing	2019	5	CITECH, Bengaluru	6
Empirical Survey on BYOD Security and Usage	Dr. K. Satyanarayan Reddy Ms. P. Subhagyalakshmi	International Journal of Recent Technology and Engineering (IJRTE)	2019	1	CITECH, Bengaluru	1
Assessing Trends of Existing Research Contribution Towards Internet-of-Things	Bhagyashree Ambore	International Journal of Advanced Computer Science and Applications-Web of Science Indexed	2018	7	CITECH, Bengaluru	7
Power Optimization using Label Switching Router and	Dr. Indumathi. G	Indian Journal of Science and Technology	2019	7	CITECH, Bengaluru	7

Predictor Technique in two Dimensional Network on Chip						
Comparative Study and Survey on the Techniques Employed for Noise Cancellation in CT Images	Prof. Jenita Subash	IJRECE	2019	0	School of Electronics Engineering, VIT University, Vellore	Nil
PAOD: A Predictive Approach for Optimization of Design in FINFET/SRAM	Prof. Girish.H,	International Journal of Electrical and Computer Engineering (IJECE)	2019	10	CITECH, Bengaluru	10

[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
Optimization of Fuzzy Multi-Product, Multi-Period Model to Select Supplier for Deteriorating Products While Considering Uncertainty As Well As Backorder	Dr. Arunadevi M	Journal of advanced research in dynamical and control system (SCOPUS)	2018	1	6	CITECH, Bangalore
Intravenous Flow Monitoring System	Archana.K.	International Journal of Advanced in Management Technology and Engine	2019	1	2	CITECH, Bangalore

		ering Sciences				
RSM Opti mization of Parameters influencin g Mechanical properties in Selective Inhibition Sintering	Dr. Shankar S	Science Direct	2018	3	3	CITECH, Bangalore
Study on Design and FE Static Analysis if Cabin Structure	Dr. Arun L R	IJSRD-In ternationa l Journal for Scientific Research D evelopment Vol. 6, Issue 06, 2018	2018	1	1	CITECH, Bangalore
FQ- DSNRP: Fau lt- Resilient and QoS Centric Dynamic Network Sensitive Routing Protocol for Mobile WSNs	D.R.Gane sh, Dr. L. Suresh	Internat ional Journal of Pure and Applied Ma thematics	2019	1	9	CITECH, Bangalore
A Conceptual Framework For Securing Privacy And Optimi zation Of Personally Identifiab le Informa tion	Raghaven dra T S	Internat ional Journal of Pure and Applied Ma thematics	2018	1	12	CITECH, Bangalore
Power Op timization using Label Switching Router and Predictor	Dr.Indum athi. G	Indian Journal of Science and Technology	2019	2	14	CITECH, Bangalore

Technique in two Dimensional Network on Chip						
Indian Journal of Science and Technology	Prof. Girish.H	International Journal of Electrical and Computer Engineering (IJECE)	2019	3	19	CITECH, Bangalore
Assessing Trends of Existing Research Contribution Towards Internet-of-Things	Bhagyashree Ambore	International Journal of Advanced Computer Science and Applications-Web of Science Indexed	2018	2	7	CITECH, Bangalore
A Hybrid Approach combining CUR matrix decomposition and weighted kernel sparse representation for plant leaf recognition	Pankaja K	International journal of computers and applications	2019	2	11	CITECH, Bangalore
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	10	40	11	94
Presented papers	10	1	Nil	Nil
Resource persons	1	4	2	12
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/ collaborating agency	Number of teachers participated in such	Number of students participated in such
-------------------------	--	---	---

		activities	activities
Helping Hand for the Needy	NGO - Seva Sumangali Orphanage, Hebbal	5	300
Blood donation camp	NSS WING - CiTech	14	403
Stem Cell Donation Drive	Datri Foundation	18	127
MY Heart Your Heart	NSS WING - CiTech	2	50
Swachh Bharath Abhiyan At K R Puram Railway Station	NSS WING - CiTech	3	80
Blood Donation Camp at K R Puram	NSS WING - CiTech	4	100
Engineers day and Teachers Day	NSS WING - CiTech	10	150
Kannada Rajyotsava	NSS WING - CiTech	10	975
startup Engineering	NSS WING - CiTech	10	240
Go Green day - Seed ball making	NSS WING - CiTech	4	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
For rendering services for higher education in student community	Sadana Prakasha Award-2018	Nagamma Foundation	1
Statewide TCS TECHBYTES	Fifth Place	TCS	1
Best Poster Presentation in 32nd CSI Karnataka Students Convention	Nil	CSI	1
Blood Donation Camp	Highest number of units donated.	Red cross	750
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
PGCET	MCA - CiTech	CRASH COURSE	4	42

ASPIRANT				
Go Green Day-Seed Ball Making	NSS Wing - CiTech	Go Green Day-Seed Ball Making	4	30
Community help	Sri Krishnadevaraya trust	Helping orphanage childrens	2	10
Swacch Abhiyana	CITECH (BS)	Swacch Bharath	10	300
Helping Hand for the Needy	NGO - Seva Sumangali Orphanage, Hebbal	Helping Hand for the Needy	5	300
LOKAHITA- CSI activity	Lets Tag-On	CSI (Community Social Impact Program)	2	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
Indusrial visit SUPA Hydro electric power station	40	Cambridge Institute Of Technology	3
Industrial Visit - CMTI	102	Cambridge Institute Of Technology	2
Industrial Visit - BAIL	37	Cambridge Institute Of Technology	1
Industrial Visit - ETA	102	Cambridge Institute Of Technology	2
Industrial Visit - SCANIA	102	Cambridge Institute Of Technology	1
Industrial Visit - TRINITY NDT	102	Cambridge Institute Of Technology	1
Collaborative Publications	21	Cambridge Institute Of Technology	180
BSNL DTTC Center Jaynagar	80	Cambridge Institute Of Technology	1
Indusrial visit Bharuka power plant	110	Cambridge Institute Of Technology	1
Industrial Visit	77	Cambridge	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
Project work	Smart Intravenous flow monitoring system	II.Sc, bangalore	01/03/2019	29/05/2019	Venkatesh viswamithra, Shreyas. H.R., Goutham kumar .V
Project work	Automatic train track switching and safe road croissing bt PLC, SCADA and HMI	Prolific Technologies private Ltd, Bangalore	04/03/2019	29/05/2019	Karthik. R.K, Vinayak. M. Naik, M. Shivnath, Namratha Mahendrakar.
Internship training	Study of transformer losses and reduction	BESCOM, Kolar	21/01/2019	05/03/2019	Deepika B.S, Ravikumar
Internship training	A Study on energy environment and economy by Renewable energy and energy conservation for sustainable development	KPTCL Bangalore	10/01/2019	16/02/2019	Abhilash. R, Arvind singh Gusain, Dennis. S, Lakshminarayana Gowda . T.S., Narayana Gwda .K, Pavithra. S., Veeresh. B.C., Prajwal. K.R., Karthik. R.K, Pallavi. C.V ,Prathap.S.
Internship	.NET C#,HT ML,MVC,MS SQL SERVER	SHRL Technosoft Pvt LTD	07/01/2019	05/02/2019	Ganesh S Nadiger
Internship	Summer Internship	Wipro	06/07/2018	15/08/2018	45

Internship	Study of substation and its maintenance	KPTCL Hubli	10/07/2018	10/08/2018	Pradeep mohte
View File					

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
D Y Patil Education Society	15/10/2018	Interdisciplinary studies	1
Trividtrans Private Limited	02/03/2019	Technical training product development	50
PRAYOJANA CONSTRUCTION MANAGEMENT TRAINING INSTITUTE	21/08/2018	PRAYOJANA CONSTRUCTION MANAGEMENT TRAINING INSTITUTE	40
Blockchain University	20/12/2018	Internships, Industrial Visits, Inplant training, Mini and Major Project, Research development, Problem Soling, Placements	60
Hellosign	21/12/2018	Internships, Industrial Visits, Inplant training, Mini and Major Project, Research development, Problem Soling, Placements	30
Trinity NDT Engineers	06/10/2018	Technical training Placement assistance	102
NAFEMS	06/09/2018	Conferences, Webinars on Simulation practices, 3D printing, Students project competition.	32
IPrime	01/08/2018	Placement Training	204
Cocubes	17/08/2018	Placement Training	204
AISIRI Ventures	02/04/2019	Offering Certificate programe and other allied services	89

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
860	775.31

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
LIBSOFT	Fully	11	2014

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Reference Books	4224	1587000	2313	966000	6537	2553000
Reference Books	606	242000	362	116000	968	358000
e-Books	10000	Nill	10677	Nill	20677	Nill
Journals	194	408000	46	79000	240	487000
e-Journals	19	302000	13	1	32	302001
Digital Database	2	Nill	Nill	Nill	2	Nill
CD & Video	196	Nill	68	Nill	264	Nill
Library	1	1000	Nill	Nill	1	1000

Automation						
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
Madhushree R	High Voltage Engineering : Module 2 3 - Notes and Question Bank	Google class room	12/10/2018
Jenita Subhash	Digital Image Processing	Google class room	09/04/2019
Janardhan Singh K	Design and Analysis of Algorithms	Google class room	20/02/2019
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	854	748	852	30	0	16	53	130	7
Added	201	182	200	0	0	3	15	0	1
Total	1055	930	1052	30	0	19	68	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
Object Oriented Concepts	https://classroom.google.com/u/0/c/Mjc5NTA5NzE3Mjda

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
169	152.7	651.8	600.8

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 undertaken through the campus maintenance department by a Resident Engineer and his support staff such as Plumbers, Electricians, Carpenters, mechanics, etc. 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 reviews 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 for majority of equipments, computers and laboratories is supplied through 210KVA UPS. Power backup to the entire campus is taken care by three Diesel generators with 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 facility is provided in campus. There are 6 RO water purifying systems installed in the campus. The maintenance of water purifiers and coolers is carried out by external agencies through Annual Maintenance Contract. The Garden in the campus is maintained by the gardener appointed by the institute. Fire extinguishers are installed in the campus and their maintenance is carried out by third-party agencies by entering Annual Maintenance Contracts (AMC). Surveillance camera is installed at the entrance to support the security for effective monitoring. The Campus has Medical facilities with in-house doctor.

<https://engg.cambridge.edu.in/wp-content/uploads/2021/04/Procedures-and-Policies-17-18-1.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	22	737000
Financial Support from Other Sources			
a) National	OBC-(Under Fees Concession), SC/ST, AICTE/PMSSS, Zindal	1044	32029640
b) International	0	Nil	0

[View File](#)

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Soft Skills Training	13/03/2019	1102	Bizotic, Primo Incorporated
Aptitude Training	13/03/2019	223	Bizotic
Capgemini Company Specific Training	06/09/2018	183	I-PRIME, Vista Mind
Capability Enhancement Programs (includes induction program)	25/09/2018	659	Experts from Various Industries
Guest Lecture on Role of Entrepreneurs in Nation Building	22/10/2018	50	Prof. Lakshmi
ISR Activity through visit to a hospice trust for community skill development	10/01/2019	83	Karunashreeya
Workshop on Stock Mind	19/11/2018	102	ICICI Direct
Cyber Security and Ethical Hacking	28/09/2018	20	K-Tech, Dept of IT, BT ST, Govt of Karnataka

[View File](#)

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Placement Training	492	833	12	359

[View File](#)

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nil	Nil	Nil

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
CAPGEMINI JMR INFOTECH FTD AUTOMATION UST GLOBAL METHODS INDIA MUSIGMA SIPDERVELLA STRATOAGENT MERCHANT NAVY TCS CL EDUCATE INFOSYS NTT DATA SONATA SOFTWARE AMAZON AMPHISOFT CALVIN KLEIN COGNIZANT FINTECH HASHEDIN HEXAWARE HP HSBC IBM LOWES MPHISIS MU	2789	277	MINDTREE MICROPACK LTD PETRONET MhB DELSTAR ELECTROMOTIV E INDUSTRIES OBANOTO TECHNOLOGIES PVT. LTD WILSTRON INTEL ADOBE AMAZON INFOSYS TCS Legato Health Technologies Storage and backup admin at IBM Terralogic inc 27/7 Aditya Birla Capital ADVITH MOTO	429	107
View File					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	BE	ECE	Canada	M.S
2019	1	BE	EEE	St. Josephs College	M.A in Literature
2019	1	BE	EEE	St. Josephs College	MBA
2019	2	BE	Civil	UVCE	ME
2019	1	BE	Civil	Sri Venkateshwara College of Engineering	M.Tech
2019	1	BE	CSE	Dublin Business School	MSc
2019	1	BE	CSE	Steven's	MSc

				Institute of Technology	
2019	1	BE	ISE	Ganga V-LANCASTER University	Msc in Applied Science and Engineering
2019	1	BE	ISE	Chandhan Kumar V-Cambridge Institute of Technology	M.Tech,CSE
2019	1	BE	ISE	Dhamodhar Reddy- VRIJE University BRUSSEL	M.Sc in Applied Science and Engineering
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
TOFEL	1
CAT	1
GRE	3
Any Other	7
View File	

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

Activity	Level	Number of Participants
Cricket	College level	250
Chiguru - college Fest	College Level	650
Kannada Rajyotosava	College Level	225
Kabaddi	College Level	200
Kho-Kho	College level	89
Throw ball	College level	75
Foot ball	College level	180
Carom	College level	45
Tug of War	College level	38
Volley Ball	College level	125
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
2019	Second place	National	Nil	1	1CD17ME095	Shri Hari R S

2019	Second Place (Team)	National	Nil	1	1CD16ME010	Andrew Saji
View File						

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 and many more. Class representatives will be selected from each section from 1st year to 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 faculty 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. The funding for various activities of the college is provided by the College Management.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes (Alumni Registration number DRB-3/SOR/510/2016-17) Cambridge Institute of Technology takes immense pride in seeing our students getting graduated from the portals of our institute. We strongly believe that our alumni are the brand-ambassadors of Cambridge institute of Technology. We have strong a social network and a positive relationship with alumni which have greatly benefitted our students. Cambridge Institute of Technology 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 latest technologies has motivated our students to articulate their professional career. The alumni have conducted and participated in many activities to name a few: 1. Mentoring the present students in their area of study, expertise and also career path. This would certainly train the students for their first step in to the career. 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 on 02/08/2018 to know their needs which were fulfilled by issuing all the children a pair of sandals for their everyday use. They also offered a stock of biscuits for a month. Alumni association took steps to help the needy, especially street vendors and school kids. The work started on 19-05-2018 by 11:00 am simultaneously at five different localities (K R Puram, Hebbal, Silkboard, Sevanagar, Indiranagar). Warm blankets were issued to the poor on street and school kids were given essential supplies like bags, lunch boxes, stationary kits etc. This activity is a continuous process in every six months conducted by our Alumni. This effort of reaching out to the society and a noble gesture by our alumni has inspired our students at CiTech.

5.4.2 – No. of enrolled Alumni:

--

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

317000

5.4.4 – Meetings/activities organized by Alumni Association :

On 1st June 2019, Alumni of Cambridge Institute of Technology had planned to spend their day serving at Nightingales Sandhya Kirana- a Non Profit Organization that serves for the well being of the elderly people. Prof. Pankaja K, Dept of CSE and Prof Sapna, Dept of ISE have taken initiative for this charity drive with the support of alumni. The drive began at 10.00am and continued till 4.00 p.m. Mr. Preetham Association President from Mechanical Dept and Mr. Sumanth, Association member from ECE dept coordinated in registering more than 25 alumni and showed interest to takepart in the drive. The activities planned were: i) Preparing sumptuous lunch on spot for 65 elderly people and serving them. ii) Assisting them in their routine activity of making paper bags. iii) To have candid and intimate conversation with them. A Team of alumni was divided into 3 teams to execute the fore mentioned activities and engaged themselves cheerfully at the fullest with the elders. The feel of showing unconditional love and helping the needy was indeed a overwhelming experience. Director Dr. D. H. Rao, Dr. Shashikumar D. R., HoD of CSE and Dr. Sridhar HoD of EEE dept have actively participated and served the elders. principal Dr. Suresh L. Could not attend the charity drive due to some unavoidable situation, but he is always encouraging and gives new ideas to conduct such events. The 6th alumni meet conducted on 8th June 2019 was a grand reunion. The occasion was graced by the presence of Chairman Shri. D. K. Mohan, director Dr. D. H. Rao, Principal Dr. Suresh L, Director H R Ms. Usha Rani Ramanathan, prof. Pankaja K, CSE Dept, chief Alumni coordinator, 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. Various games were organized and winners were given goodies as a token of remembrance. The event concluded with dinner at 7.30 pm followed by distribution of souvenir. The event witnessed active involvement from the alumnus and a number of commendable suggestions were put forth for strengthening the bond between the Alumnae and their Alma Mater. The Office bearers pledged to work selflessly for the growth of the association.

<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. 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. Hence, this form of management represents collective decision making which involves the Director, Deans, Heads of the Departments, Registrar, and the faculty members, and laboratory assistants. The faculty and staff are treated as facilitators who deal directly with the students and meet their needs. There is a structured delegation of authority that encourages the academic leadership among the faculty members who are also empowered to put up suggestions on academic/administrative/co-curricular/extra-curricular activities in the departmental academic meetings. Decentralization is the mantra of the Institute: ? The departments consist of HODs, Professors, Associate Professors, and Assistant Professors who act as teaching backbone.

The department is also supported by the Technical Staff to support 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 HoD of each department in consultation with faculty members prepares the academic calendar in line with the college calendar. ? The timetable coordinator of the department prepares the timetable for academics which includes theories, labs, forum activities, and projects in tune with the VTU calendar of events. ? The absentees list of students is prepared every day after the 1st hour of the day and the parents are informed through SMS by the respective class teachers. ? All Departments organize invited talks from Industry and Academia for all students. ? All Departments take a proactive role in augmenting the knowledge of students beyond the curriculum with hands-on experience on current technologies. ? 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.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	<p>Actions supported in consistent and quality admissions: •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> <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. Fee structure for management quota varies for different programmes. The fee structure for Certificate course offered by Cambridge Institute of technology is fixed on duration of the course and syllabus coverage.</p>
Industry Interaction / Collaboration	<p>The college has well-established Industry interaction/incubation cell. Each department has established their own collaboration and industry</p>

interaction with faculty initiatives. The Institute has collaborations with Samsung RD, Bangalore.

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 Citech Primer. The department level heads take care of the management of Human Resources as defined in the college Guidelines.

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 holidays. There are more than 980 books, 80 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. There are 852 computers in the Institution, and appropriate networking is provided. Wi-Fi facility is available with 130 Mbps 1:1 connectivity (30 Mbps BSNL 100 Mbps Tata Tele-services) accessible to all the stakeholders. The Campus has four academic blocks and three hostel blocks, in which one hostel block is allocated exclusively for first year students. The campus also has cafeteria, canteen, coffee café day outlet and convenience store. The institute has lecture halls equipped with LCD projectors and LAN facility. There are ICT enabled seminar halls with a seating capacity of 250 each with audio visual resources. 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 lab equipment and instruments. Regular maintenance is

carried out to ensure proper functioning of the equipment. 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.

Research and Development

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

Examination and Evaluation

The Controller of Examinations (COE) is in charge of conducting and coordination of the 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.

Teaching and Learning

ICT like Google Apps, LCD projectors based teaching is adopted. Online lectures, course materials, assignments and assessments are carried out through the Google Apps. Access for course material is given through the college website. Project based learning is 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.

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 to bridge the gap in the fundamentals.

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

E-governance area	Details
Finance and Accounts	LYCEUM
Student Admission and Support	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
2019	Ms. CHAITHRAS	CMOS DIGITAL VLSI DESIGN	NPTEL-AICTE FDP	600
2019	Mr. RAGHUNATH REDDY M.V	CMOS DIGITAL VLSI DESIGN	NPTEL-AICTE FDP	600
2019	Mr. VEERAPPAS C	CMOS DIGITAL VLSI DESIGN	NPTEL-AICTE FDP	600
2019	Mr. GIRISH H	CMOS DIGITAL VLSI DESIGN	NPTEL-AICTE FDP	600
2019	Dr. Puspallatha H L	Semiconductor Opto	NPTEL-AICTE FDP and online	600

		Electronics	course	
2019	Shashi Kumar G	Manufacturing of composite Online Certification Course and Rapid Manufacturing Online Certification Course	NPTEL	1100
2019	Manasa G P	one week FDP-IOT Python	VTU - Belgavi	1500
2019	Shivamurthy K P	one week FDP-IOT Python	VTU - Belgavi	1500
View File				

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Five days FDP on Teaching Learning Pedagogy	Nil	18/07/2018	28/07/2018	157	Nil
2018	Guest lecture on Entrepreneurship awareness program for women	Nil	06/10/2018	06/10/2018	72	Nil
2018	Meditation programme to improve focus	Nil	22/11/2018	22/11/2018	162	Nil
2019	one week FDP on IOT Python	Nil	28/01/2019	02/02/2019	107	Nil
2019	Workshop on Leadership skills enhancement	Nil	29/01/2019	30/01/2019	20	Nil
2019	A Two day FDP on	Nil	24/04/2019	24/04/2019	26	Nil

	ERP Solutions					
2019	Faculty development program on Internet of things and data analytics	Nil	28/01/2019	02/02/2019	164	Nil
2018	Cyber Security Ethical Hacking	Nil	28/09/2018	30/09/2018	54	Nil
2018	FDP on Chemical Synthesis of thin films and their Applications	Nil	15/10/2018	15/10/2018	24	Nil
2018	Technical talk on "Disaster Management "	Technical talk on "Disaster Management "	12/04/2018	12/04/2018	28	4
View File						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Faculty development program on Machine Learning	1	09/07/2018	14/07/2018	6
Faculty development program on Internet of things and data analytics	164	28/01/2019	02/02/2019	4
Role of ranking Accreditation in creating Institutions of Eminence Excellence.	7	21/07/2018	21/07/2018	1
Seminar on	1	01/09/2018	01/09/2018	1

Free Open Source Software Solutions for Educational Institutions				
One week workshop on Research Methodology	1	28/05/2018	02/06/2018	5
One day training on Latest trends and modern practices in power sector and their inclusion in training courses	1	09/10/2018	09/10/2018	1
A 2 day FDP on Revising Teaching Practices	4	27/12/2018	28/12/2018	2
Two Days Workshop on Civil Simplified	8	17/12/2018	18/12/2018	2
Prayojana Construction Management Training Institute -Practical Aspects of Construction Management	7	24/10/2018	24/10/2018	1
Design and Detailing of RC and Steel Structures	2	13/08/2018	14/08/2018	2
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
37	37	5	5

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	Employee Provident Fund (EPF), Casual Leave 12 days per annum, Medical Insurance, Free transport	Sponsoring for various Workshops Conferences by compensating Registration Fees, TA DA, etc.,

and Even semester end. Medical Insurance for Employee. Encouraging faculty for Ph.D., Faculty pursuing PhD in College Research centers are given concession in tuition fee. Faculty are encouraged to attend conferences, seminars, workshops etc., for which registration fees is partially reimbursed. Financial assistance for child education.

facility. The children of Non-teaching are provided with college fee waiver.

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 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 for carrying out Auditing. 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. 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. Resource audit is conducted in discussion with the committee, and resource mobilization is finalized based on discussion.

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
Dr. APJ Abdul Kalam R and D Centre	45000	Smart Mop

[View File](#)

6.4.3 – Total corpus fund generated

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	Nil	Nil	Yes	Internal Audit Committee
Administrative	Nil	Nil	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. The parents are invited by the faculty of all the departments. Parents are provided with details such as students academic performance, university results, attendance, and other related issues. Students having issues like irregularity, loss of concentration requiring help are addressed through tutorial classes. Some of the students are also counselled by considering the feedback from parents. At the inaugural function of UG and PG, the parents are invited and academic expectations are informed to the parents. The parents are informed with respect to 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.

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

The staff was given training on Road safety, Swachh Bharath, and disposal of waste as wet and dry. They were trained to keep the campus and departments clean. Orientation program, Computer and skill-based training Improvement programs were organized. 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. Assessments and attainments of POs, PSOs, targets, and result analysis based on the results of every student in the internal and external examination are conducted as soon as the results are announced by Visveswaraya Technological University. Five-day FDP for teaching faculty is conducted during every semester break where the experts from various Institutes and Corporates deliver talk on the topics like how to improve teaching and learning, counseling of students, yoga, healthier habits, etc. All the faculty are supported to publish research papers in reputed Scopus indexed journals.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality	Date of	Duration From	Duration To	Number of
------	-----------------	---------	---------------	-------------	-----------

	initiative by IQAC	conducting IQAC			participants
2019	Workshop on Leadership skills enhancement	29/01/2019	29/01/2019	30/01/2019	20
2018	Two-day workshop on Revisiting Teaching Practices	27/12/2018	27/12/2018	28/12/2018	151
2018	Five days FDP on Teaching Learning Pedagogy	18/07/2018	18/07/2018	28/07/2018	157
2018	Guest lecture on Entrepreneurship awareness program for women	06/10/2018	06/10/2018	06/10/2018	72
2018	Meditation programme to improve focus	22/11/2018	22/11/2018	22/11/2018	162

[View File](#)

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
Woman's day celebration	08/03/2019	08/03/2019	73	40
Workshop on prevention of Sexual harassment	11/01/2019	11/01/2019	175	Nil
Motivational talk on 7 habits of highly effective people	15/12/2018	15/12/2018	25	32
Invited talk on Importance of IEEE student chapter	20/02/2019	20/02/2019	125	140

	ntages	local community					
2018	1	1	28/09/2018	1	Police Constable Exam	NIL	980
2018	1	1	22/07/2018	1	UPSC	NIL	570
2018	1	1	09/08/2018	25	RRB	NIL	4500
2018	1	1	28/07/2018	1	IIT MADRAS	NIL	250
2018	1	1	25/11/2018	1	CAT	NIL	1400
2019	1	1	09/02/2019	2	GATE	NIL	2500
2019	1	1	16/02/2019	1	GATE	NIL	968
2019	1	1	17/02/2019	1	JAM	NIL	1000
2019	1	1	15/03/2019	1	SSC	NIL	497
2019	1	1	31/03/2019	1	NPTEL	NIL	841
View File							

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	<p>“The Code of Conduct” has been prepared to make the stakeholders be aware of the rules and regulations and code of conduct that exist in the college. It is expected that all the teaching, non-teaching staff, and students should strictly adhere to the rules and regulations mentioned in this document. principal of the Institution disseminates the code of Conduct to the students and parents in the first Year Inauguration Program every Year. Dedicated Committee supervises and monitors the overall conduct of the students. (Code of Conduct Link - https://engg.cambridge.edu.in/code-of-conduct/)</p>

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Technical talk on Disaster management	02/02/2019	02/02/2019	100
India's first Leadership talk series	08/01/2019	08/01/2019	126
Outbound training program	03/12/2018	05/12/2018	118
Meditation by Heartfulness, meditation group	28/11/2018	01/12/2018	120
Blood donation camp with Rashtrothana, NIMHANS and Lion's club	16/11/2018	16/11/2018	400
Ewaste Management and Environmental Protection	26/09/2018	26/09/2018	254
Seed Ball Making	25/09/2018	25/09/2018	170
Medical Camp	24/08/2018	24/08/2018	500
Presentation and awareness about consequences of ragging by videos.	23/08/2018	23/08/2018	600
As a support and spreading awareness about Swachh Bharat Abhiyaan, the college in association with Lions Club Bangalore, organized a cleanliness drive within the campus.	18/08/2018	18/08/2018	476

[View File](#)

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

The institute has Green campus, serene atmosphere with more than 50 varieties of plants and trees. Tree plantation programs help in encouraging an eco-friendly environment, which provides pure oxygen within the institute. The students and faculty are encouraged to adopt cleanliness, making the campus garbage and plastic free zone. The Lighting and Ventilation in classrooms are adequate considering natural light and air velocity present. The installation of solar panels, paperless work systems, and composting practices are noteworthy. Tobacco products are strictly banned in and around the campus.

Except for documents like statutory approvals, agreements and account statements, electronic documentation is maintained. All communication regarding academics and administration are sent as emails. ? Cleanliness Drive ? Tobacco Free Campus ? Plantation Drive ? No Plastic Campus ? Green landscaping with trees and plants ? Students participate in campaigns like "Adopt a tree" ?

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Title of the Practice: Student Development Programme (SDP) - Objectives of the Practice • To train students on required critical skills to become successful professionals. • To help and guide students with respect to professional development. • To help students' competencies and skills. The Context: Students need transformation into industry-ready professional. There is a need to give holistic training to the students such that they become successful professionals. Every student has innate talent and ability, however they need a platform to unearth their hidden potential. Therefore, various activities under student development programmes were designed. The Practice: Mentoring process helped to identify hidden talents and competencies of students. The SDP's help unearth the talents and competencies. • The technical skills required for employability were identified and students were trained on the technical skills through the guidance of senior faculty members. • The students who desire to pursue higher studies abroad are given special training on GRE etc. • The students who are interested in appearing for competitive exams were also trained in technical areas which would help them to clear competitive exams. Evidence of Success: • Assessment reports of tests and assignments. • Assessment reports of teaching staff, lecture material, and flow, results, student capabilities, lab interview, exit survey etc.,. • Student placement records. • Feedback from students. Problems Encountered and Resources Required : The required faculty resource to train students may not be available immediately or as and when required. The number of active learning students in SDPs relatively low as it is not linked with any of the courses or internal marks. 2. Title of the Practice: Experiential Learning - Objectives of the Practice: ? To provide a platform for students to apply concepts learned in the classroom. ? To support students in developing products and services. ? To guide students in identifying solutions to real-time problems. The Context: This practice is an attempt to fill the industry-academia gap that exists. One of the ways to address the gap is to provide learning opportunities for students which are experiential-based. The Practice: The course instructor would identify one project suitable for the course and integrate the process where the students can apply the concepts learnt in the class to real time problem. This activity is driven through projects and case studies. In addition, the course outcome is also considered while designing the experiential learning activities. One of the projects which was based on providing experiential learning was "Intuit". All engineering students were expected to identify a problem and identify the technical solution. The students were divided into multiple teams with each team having a faculty mentor. The students were expected to create the solution and demonstrate it in the Intuit Exhibition. This exhibition was open for everyone. The students had a good experiential learning experience. Cash prizes were awarded to the winners for each engineering stream and each semester. Evidence of Success: Intuit 2019 was one of the successful events where 700 projects were displayed. The event provided a platform for all engineering students to display their projects which was a solution to real-world problems. Problems Encountered and Resources Required: Each project team had a faculty member assigned. The required infrastructure support was provided to exhibit projects. Close to Rs. 300000 was spent on providing the necessary infrastructure support for the exhibition

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->

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

STUDENT FORUM: As the Chinese proverb says "I hear I forget, I see I remember, I do I understand", it is imperative that we need to design our learning interventions where-in students will be engaged in activities aimed at providing experiential learning. Student forums are deemed to help overcome the problem by enabling interactions among the learners and facilitating their collaborative learning, thus Student forum indeed plays an important role in motivating learner continuance. The student forum was a platform for all the students to exhibit their competencies and talents. In addition, the activities were carefully identified in such a way that students will be able to apply certain skills learnt in the class while being part of the activities. The skills such as communication, team building, problem-solving, decision making are part of the curriculum and they learn the concepts in the classroom. The forum allows the students to apply these concepts learned in the classroom in activities. The forum also provided an opportunity for students to learn organizing skills and also teamwork and leading team which are highly critical in the current work environment. Every department has a student forum. The student forum activities are pre-scheduled and the details are shared with the students. A few of the activities are organized as a competition to make students more actively involved in the forum activities. A few of activities also focus on enhancing student technical skills. A faculty co-ordinator from each department will work with the faculty team and students to design the plan of forum activities. A list of activities under forum activities: Tower building activity, Public speaking, professional goal setting, pick and speak, power of positive thinking, introduction to mock stock, mythology and management, best out of waste, word puzzle, circuit debugging, technical Quiz, a Practice session for placement assessment, article writing, paper presentation etc..

Provide the weblink of the institution

<https://engq.cambridge.edu.in/wp-content/uploads/2021/05/Institute-Distinctiveness-18-19.pdf>

8.Future Plans of Actions for Next Academic Year

Preparation for extension of accreditation by NBA: The four departments ie, ECE, EEE, ISE and ME which were accredited by NBA up to June 2020 and hence it was decided that the four departments have to work and update all data focusing towards obtaining extension of accreditation. Institute NBA coordinator will provide the plan of action for all the departments to work towards the accreditation. Importance to be given to work upon the compliance report and guide all the accredited departments to prepare well for the extension of accreditation. It is of top priority. Zero waste campus: To make the campus as Green campus, Environmental friendly and moving towards the plastic free zone. Measure has to be taken in achieving the same. Committee will be formed comprising of active members from all departments including teaching, non-teaching and students to achieve the set goals. Creating E-Content: Teaching Learning Process adopted at the Institution is very important and the faculty should make use of the ICT tools for conducting classes. The faculty will be developing e-content and upload them on the suitable media.