



Yearly Status Report - 2017-2018

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@citech.edu.in
Alternate Email		registrar@citech.edu.in
Address		Basavanapura 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@citech.edu.in
Alternate Email	hod.ise@citech.edu.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://engg.cambridge.edu.in/iqac/
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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-17-18.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
Bloom's Taxonomy process was changed to Revised Bloom's Taxonomy (RBT).	07-Feb-2018 1	18

RBT levels and various CO's were incorporated in internal assessment question papers.	07-Feb-2018 1	18
IA exams to be conducted in centralized manner.	09-Feb-2018 1	18
First level scrutiny of IA test question papers at department level followed by second level scrutiny of corrected question papers at IQAC examination cell under the office of COE.	09-Feb-2018 1	18
Discussion on printing Vision and Mission statements of the Institute on the last cover sheet of every blue book and laboratory practical records.	16-Feb-2018 1	18
Discussion on constructing an auditorium in 5th floor of Sir MV Block.	16-Feb-2018 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 ME	Science and Engineering Research Board	DST	2018 1095	2990000
CiTech ME	FDP	AICTE	2018 730	700000
CiTech CSE	SPP	KSCST	2018 180	4000
CiTech Civil	SPP	KSCST	2018 180	6000
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

3

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)

1. Implementation of Revised Blooms Taxonomy 2. RBT levels and COs incorporated in IA question papers 3. Scrutiny of IA question paper at two levels viz. Department and Central level 4. Centralized conduction of IA tests 5. Construction of Auditorium with seating capacity of 1500 on 5th floor

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

Plan of Action	Achivements/Outcomes
Auditorium	Plan was made and 20 percent of the work was completed.
Inclusion of COs in IA question paper	The process was explained to entire faculty members in the FDP and sample questions were displayed by senior faculty members (dept. wise). This FDP was conducted by Dr. Indumathi G (HOD, ECE). The process of scheme preparation for the question papers and evaluation methodology were explained in detail. The process was implemented by every department.
Scrutiny of IA question paper	Scrutiny of question papers were incorporated into dept. level by the committee established by the department and suggested corrections were incorporated in to the question papers as per the prescribed format. Print outs of these question papers were then submitted to the central scrutiny team formed by IQAC Cell. Final corrections were incorporated in to the question papers. Corrected versions of the question papers were finally submitted to the office of Controller of Examinations.

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14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Name of Statutory Body</td> <td style="width: 50%; text-align: center;">Meeting Date</td> </tr> <tr> <td style="text-align: center;">Governing Council</td> <td style="text-align: center;">23-Jun-2018</td> </tr> </table>		Name of Statutory Body	Meeting Date	Governing Council	23-Jun-2018
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	28-Feb-2018				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2018				
Date of Submission	20-Aug-2018				
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)	<p>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</p>				

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 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 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. Concept of Rubrics is 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 of the students is regularly communicated to their parents through SMS and the same 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 employ ability/entrepreneurship	Skill Development
Infosys Campus Connect Program	NIL	04/09/2017	180	Employability/ Skill Development	Industry Readiness
Oracle India Pvt Ltd	NIL	04/10/2017	180	Employability/ Skill Development	Java on IOT
IOT Analytics	NIL	01/02/2018	2	Employability/ Skill Development	Industry Readiness
Web Analytics	NIL	21/04/2018	1	Employability/ Skill Development	Industry Readiness
Industry Oriented IOT	nil	24/04/2018	1	Employability/ Skill Development	Industry Readiness
Web Analytics	NIL	28/04/2017	1	Employability/ Skill Development	Industry Readiness
Big Data Applications	NIL	15/05/2018	1	Employability/ Skill Development	Industry Readiness
C and C plus plus workshop by Cranes Varsity	NIL	15/08/2017	15	software training	Enhance the knowledge on C C plus Workshop
Workshop on Advanced Digital Analog VLSI Design using Mentor Graphics	NIL	22/09/2017	1	VLSI Skills	Enhance the knowledge on VLSI Skills
Workshop on Embedded Systems	NIL	14/10/2017	1	Embedded Systems product development	Enhance the knowledge on Embedded Systems product development
Workshop on ARM 7	NIL	31/08/2017	1	Embedded Systems product development	Enhance the knowledge on Embedded Systems product development
PLC and	NIL	16/03/2017	2	Skill	

SCADA Automation Tools				Development	Opportunity to learn new language which is used in industries (ladder)
Skill development program on Sub-station and Transmission Lines at PSTI Bangalore.	NIL	11/04/2017	3	Skill Development	Enhance the knowledge on sub station and transmission lines
CNC Machine Design Workshop	NIL	04/04/2018	3	Skill Development	CNC Programming
Hardware component of a Personal Computer	NIL	12/08/2017	1	Employability	Industry Readiness
Data Science Big Data Analytics Training cum Certification Programme.	NIL	03/10/2017	3	Employability	Industry Readiness
Oracle Workforce Development Program	NIL	03/10/2017	30	Java IoT Developer	Enhancing of Java Skills
Integrated Solid Waste Management	NIL	01/05/2017	1	Skill Development	Building awareness on technologies involved in waste management
Perceptive Insight of Transportation System for Smart Cities	NIL	06/05/2017	1	Skill Development	Building awareness on technologies involved in waste management

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	14/09/2017
BE	ISE	14/09/2017
BE	ME	14/09/2017
BE	EEE	14/09/2017
BE	Civil	14/09/2017
BE	ECE	14/09/2017
MCA	PG	23/09/2017

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

	Certificate	Diploma Course
Number of Students	1247	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
Python	01/03/2017	50
IOT	06/03/2017	60
Design Thinking	14/10/2017	26
Python Programming	27/10/2017	60
Web analytics	28/04/2018	74
Big Data and Application	15/05/2018	137
C and C plus plus workshop	21/08/2017	35
PLC and SCADA Automation tools	28/08/2017	40
Data converter using 8051	11/04/2017	33
workshop on Arduino	28/03/2018	59
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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, ECE, ISE, EEE, CV, ME	211
MCA	MCA	43
MBA	Marketing, Finance, HRM	104
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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 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. 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 implementation in 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	Engineering	108	13	13
MCA	MCA	120	33	33
MBA	Management	120	111	111
BE	engineering	600	590	590

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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	Number of students enrolled	Number of fulltime teachers	Number of fulltime teachers	Number of teachers
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	in the institution (UG)	in the institution (PG)	available in the institution teaching only UG courses	available in the institution teaching only PG courses	teaching both UG and PG courses
2017	590	157	160	26	10

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	105	13	37	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
2593	196	1:13

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
203	182	7	14	2

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
2017	NA	Nil	NA
2018	NA	Nil	NA

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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-	Date of declaration of results of semester-
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			end examination	end/ year- end examination
MBA	MBA	II,IV	18/06/2018	31/08/2018
MBA	MBA	I,III	02/01/2018	03/03/2018
Mtech	CSE, SP, MD, CNE	II, IV	27/06/2018	18/08/2018
Mtech	CSE, SP, MD, CNE	I,III	07/02/2018	31/03/2018
MCA	MCA	II,IV,VI	27/06/2018	31/07/2018
MCA	MCA	I,III,V	21/12/2017	14/02/2018
BE	CV, CSE, EEE, ECE, ISE, ME	II,IV,VI,VIII	05/07/2018	23/08/2018
BE	CV, CSE, EEE, ECE, ISE, ME	I,III,V,VII	30/01/2018	03/03/2018

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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 given 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 question paper pattern for the internal examinations has been standardized by the institute, similar to the pattern 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 Examination cell, wherein the COE selects one question paper from the given sets and forwards it for printing and it is distributed to the students at the time of the IA test. 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 publishes the Academic Calendar in advance with the 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/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
CV	BE	Civil Engineering	55	54	98.18
CSE	BE	Computer Engineering	163	159	97.54
ECE	BE	Electronics and Communications Engineering	100	98	98
EEE	BE	electrical and Electronics Engineering	40	32	80
ISE	BE	Information Science and Science Engineering	49	49	100
ME	BE	Mechanical Engineering	118	118	100
MBA	MBA	Management	112	95	84.82
MCA	MCA	MCA	43	43	100
CSE	Mtech	CSE	15	15	100
MD	Mtech	ME	6	6	100

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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/2021/04/SSS-Sample-and-Analysis.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	730	AICTE	7	3.5
Major Projects	1095	SERB	29.9	5
Minor Projects	180	KSCST	0.04	0.04
Minor Projects	180	KSCST	0.06	0.06
Any Other (Specify)	180	CiTech	0.8	0.8
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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Workshop on Java on IoT, ORACLE Workforce Development Program	CSE	06/03/2017
FDP - Java SE 8 Programming with JDBC and Networking	CSE	28/07/2017
Workshop on Design thinking	CSE	14/10/2017
Workshop on Python Programming	CSE	28/10/2017
Workshop on Artificial Intelligence	CSE	15/12/2017
Workshop on Web analytics	CSE, ISE	28/04/2018
CNC Machine design workshop	ME	04/04/2018
Workshop on FEA and Stress Analysis	ME	22/01/2018
Workshop on Modelling of Analog Digital system using PSPICE XILINX	EEE	21/09/2017
Guest lecture on Overview of Industrial Automation	EEE	08/07/2017
Workshop on ROBOTICS	EEE	22/04/2017
Workshop on PLC SCADA Automation Tools	EEE	16/03/2017
Guest lecture on Career Guidance	EEE	27/04/2017

Skill development program on Sub-station and Transmission Lines at PSTI Bangalore.	EEE	04/11/2017
Guest lecture on Energy and Environment problem and their probable solution for sustainable development	EEE	24/04/2018
Seminar on Arduino and its applications	EEE	13/02/2018
Two days workshop on ARDUINO	EEE	28/03/2018
Technical talk on Latest trends in Mobile Communication	ECE	02/02/2018
Seminar on Emerging Trends in Digital Broadcasting	ECE	03/02/2018
WORKSHOP ON IOT and analytics	ECE	01/02/2018
Ethical Hacking Android Development Workshop	ECE	02/02/2018
Two day workshop on Big Data Hadoop	ECE	24/02/2018
WORKSHOP ON ARM Cortex M3	ECE	05/02/2018
Web Analytics	ISE	21/04/2018
Industry Oriented IOT	ISE	24/04/2018
Three Day Workshop on Python Programming	ISE	22/01/2018
Technical Talk on Internet of Things, Mr Sunil PO, Director, SPO Consultancy, Bangalore	MCA	11/10/2017
SAP and its uses in the todays real world, Mr. Mohan, Product Solutions Engineer, SAP Ariba and Mr. Chandan, Product Solutions Engineer, Senior Software Engineer, IMPEL LLC, SAP Ariba.	MCA	11/11/2017
Software Testing and Practices, Mr.Kumar, Technical Test Manager, Customer Testing Team, Global Services Center, Nokia Software, Bangalore	MCA	24/02/2018
Entrepreneur and Employee Mindset, Mrs. Hema Anand, NLP Trainer and Coach,	MCA	04/04/2018

Panacea Valley Consulting, Bangalore.		
One Day Workshop on "Integrated Solid Waste Management"	CIVIL	31/10/2017

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
Matlab Coding	Venkata Saikrishna P and Ajay Datta AS	Cambridge Institute of Technology	27/04/2018	ISTE Students chapter
Circuit debugging	Poornesh.L and Linkesh.S	Cambridge Institute of Technology	27/04/2018	ISTE Students chapter
Best social relevance	Nisarga priya, Pranothi Aich, Vinutha.N .,Nabin kanti das	Cambridge Institute of Technology	17/05/2018	Intuit-2018
Best Design	D.S.Harish, Gaurav Raju, Karthick. R, Mouna.G.S	Cambridge Institute of Technology	07/05/2018	Intuit-2018
Best innovation	Maazuddin Ahmed, Sagar Ghoshal, Gulshan kumar sharma,Rahul kumar	Cambridge Institute of Technology	17/05/2018	Intuit-2018
General quiz	Venkaatesh vishwamitra, Shreyas H.R., Goutham kumar.V	Cambridge Institute of Technology	04/11/2017	ISTE Students chapter
Technical crossword-AXIOM 2018	Sachin.R, Mithun Naik	Cambridge Institute of Technology	27/04/2018	ISTE Students chapter
Inspire Faculty Partnership Level 2017	Prof. Sowmya G H	Team Campus Connect, Infosys, Bangalore	25/09/2017	Inspire DC Finals - Bronze
Inspire Faculty Partnership Level 2017	Prof. Sonia Maria Dsouza	Team Campus Connect, Infosys, Bangalore	25/09/2017	Inspire DC Finals - Silver
Inspire Faculty Partnership Level 2017	Prof. Sonia Devi	Team Campus Connect, Infosys, Bangalore	25/09/2017	Inspire DC Finals - Bronze

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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nil	Nil	Software Development Cell	Developing Web and Mobile Application	24/02/2018
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	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
Electronics and Communication Department	2

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	CV	2	Nil
International	ECE	3	0.34
International	CSE	2	3.05
International	ISE	4	7.17
International	BS	6	1.61
International	ME	8	1.2
International	EEE	2	5.6
International	CV	3	Nil
International	MBA	2	Nil
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
ME	2
ISE	3
CSE	5
ECE	5
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
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Design of Architecture for Ladder diagram based Programmable Controller	Shobha S.	International Journal of Engineering and Technology IJET	2017	5	CITECH, Bengaluru	5
Performance analysis of Image compression using Kalman DWT	Dr.Indumathi.G	Journal of Advanced Research in Dynamical Control systems	2018	3	CITECH, Bengaluru	3
Leaf Disease Segmentation From Agricultural Images via Hybridization of Active Contour Model and OFA	M.G.Jayanthi, Dr. D.R.Shashikumar	Journal of Intelligent Systems	2017	2	CITECH, Bengaluru	2
Data Mining in Higher Education System and the Quality of Faculty Affecting Students Academic Performance : A Systematic Review	Dr. Suresh L	International Journal of Innovations and Advancement in Computer Science	2018	2	CITECH, Bengaluru	2
A Systematic Approach Towards Classification and Description of Cyber Crime Incidents	Dr. K. S atyanarayana Reddy Ms. Dulam Bhavya Sree	International Journal of Engineering Development and Research (IJEDR)	2017	7.3	CITECH, Bengaluru	8
Taguchi's Approach:	Dr. Shankar S	Science Direct	2018	1	CITECH, Bengaluru	1

Design optimization of process parameters in selective inhibition sintering.						
Study of Wear characteristics of Heat Treated Ultra High Carbon Steel	Dr. Halesh Koti	International Journal of ChemTech Research.	2017	1	CITECH, Bengaluru	1
DTMF Controlled Enemy Detecting Robot For Border Security With Live Video Transmission	Aruna.Y.V	International Journal of Engineering Science and Computing	2017	1	CITECH, Bengaluru	1
Combining Wavelet Texture Features and Deep Neural Network for Tumor Detection and Segmentation over MRI	Ms. Preethi S Ms. Aishwarya P	De Gruyter, DOI 10.1515/jisys	2017	5	CITECH, Bengaluru	6
Survey on Physical Resource Management in Clouds	Janardhan Singh K	International Journal of Advance Research, Ideas and Innovations in Technology	2017	1	CITECH, Bengaluru	1
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
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Experimental Study on utilization of GGBS as partial substitute in ferrocement	Shwetha R A	International Research Journal of Engineering and Technology	2018	1	1	CITECH, Bengaluru
Non-Linear Dynamic Analysis of 3D Infilled Frames	Shwetha R A	International Journal of Engineering Research Technology	2017	1	1	CITECH, Bengaluru
Wireless Communication Based Multipurpose Agriculture Robot	Aruna.Y.V	International Journal of Engineering Science and Computing	2017	1	30	CITECH, Bengaluru
DTMF Controlled Enemy Detecting Robot For Border Security With Live Video Transmission	Aruna.Y.V	International Journal of Engineering Science and Computing	2017	1	30	CITECH, Bengaluru
Study of Wear characteristics of Heat Treated Ultra High Carbon Steel	Dr. Halesh Koti	International Journal of ChemTech Research.	2017	1	Nil	CITECH, Bengaluru
RSM Optimization of Parameters influencing Mechanical properties in Selective Inhibition Sintering	Dr. Shankar S	Science Direct	2018	3	Nil	CITECH, Bengaluru
Taguchi's	Dr. Shankar S	Science Direct	2018	3	Nil	CITECH, Bengaluru

Approach: Design optimization of process parameters in selective inhibition sintering.						
Replacement Based Fault Tolerance in Wireless Sensor Networks	Mr. GANESH D R, Dr. L SURESH	ELSEVIER - Journal of Advanced Research in Dynamical and Control Systems	2017	1	9	CITECH, Bengaluru
Design of Architecture for Ladder diagram based Programmable Controller	Shobha S.	International Journal of Engineering and Technology IJET	2017	2	Nil	CITECH, Bengaluru
Performance analysis of Image compression using Kalman DWT	Dr. Indumathi.G	Journal of Advanced Research in Dynamical Control systems	2018	2	Nil	CITECH, Bengaluru
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	Nil	12	45	88
Presented papers	13	Nil	Nil	Nil
Resource persons	Nil	1	5	3
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 activities	Number of students participated in such activities

Helping Hand for the Needy	NGO - Mother Theresa Orphanage, KR Puram	5	240
Diabetes Awareness Camp	NSS Wing - CiTech	4	80
Awareness Programme on Rally for Rivers	NSS Wing - CiTech	8	400
Blood Donation Camp	Red Cross	15	750
Stem Cell Donation Drive	Datri Foundation	10	252
Run For Nature	NSS Wing - CiTech	2	50
Engineers day and Teachers Day	NSS Wing - CiTech	10	150
Kannada Rajyotsava	NSS Wing - CiTech	10	975
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
Diabetes Awareness Camp	NA	CITech - NSS	80
Awareness Programme on Rally for Rivers	NA	CITech - NSS	400
Blood Donation Camp	Highest units of Blood collected	Red Cross Society	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
Induction Programme (BS)	Citech	Swacha Bharath abhiyan	17	575
Health awareness and Know Yourself	Vedan NGO	Self Awareness Program	2	60
Akshaya Patra foundation	Basic Science department - Citech	Mid Day Meals Scheme	20	580
Helping Hand for Needy	NGO - Mother Theresa Orphanage, KR Puram	Helping Hand for the Needy	17	540
CITECH_NSS	Lions Club of	A CLIMATE FOR	1	10

	Bangalore East	SELFLESS SERVICE TO HUMANITY (Blood Donation Camp) - CSR ACTIVITY		
CITECH_NSS	Aadhya Foundation for Collective Thoughts	Anveshane	2	12
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
Industrial visit (KAVIKA)	45	Cambridge Institute Of Technology	1
Visit to Diesel loco shed	37	Cambridge Institute Of Technology	1
Visit to Nelamangala power station	33	Cambridge Institute Of Technology	1
Visit to Bharuka power plant	33	Cambridge Institute Of Technology	1
Collaborative Publications	21	Cambridge Institute Of Technology	180
Industrial Visit - ISRO	442	Cambridge Institute Of Technology	3
Industry Visit - Scania	56	Cambridge Institute Of Technology	1
Industry Visit - Ducom	38	Cambridge Institute Of Technology	1
Industry Visit - BSNL DTTC Center Jaynagar	80	Cambridge Institute Of Technology	1
Industry Visit - CMTI	101	Cambridge Institute Of Technology	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/	Duration From	Duration To	Participant
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		industry /research lab with contact details			
Project Work	Project	Moog India Technology Center Pvt. Ltd. - CANOpen-PDO Monitor	23/01/2017	25/05/2017	4
Project Work	Project	HP Computing Printing Systems Private Limited	02/01/2017	31/05/2017	3
Project Work	Project	GTRE-DRDO - Remote Monitoring of LAN for Large Enterprises	18/01/2017	31/05/2017	4
Project Work	Project	SASMOS HET Technologies Limited	01/02/2017	15/05/2017	2
Project Work	Project	Diesel loco shed, south western railway	01/02/2017	20/05/2017	4
Project Work	Project	ISRO (LEDS)	01/02/2017	20/05/2017	4
Project Work	Project	LRDE	01/02/2017	20/05/2017	4
Project Work	Project	ISRO	01/02/2017	20/05/2017	4
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
Cranes Software International Limited	03/01/2018	Skill Enhancement Training	35
Fortune Electronics	07/07/2017	8051 microcontroller	30
Infosys	06/12/2017	Infosys Campus Connect Training	102
Primo Incorporated	07/03/2017	HR Training	400

Ludus Educom	07/05/2017	HR Training	400
Study metro	07/05/2017	HR Training	400
DHAKA International University	16/05/2017	Offering Certificate programe and other allied services	600
MTC Global	10/05/2017	Offering Certificate programe and other allied services	600
EBW Services	02/08/2017	Offering Certificate programe and other allied services	600
Ascensive Consulating Firm	07/01/2017	Offering Certificate programe and other allied services	600
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
450	407.87

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	Newly Added
Classrooms with LCD facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Newly Added
Video Centre	Nil
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
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
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LIBSOFT	Fully	11	2014
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4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
	Weeding (hard & soft)	84	21000	Nil	Nil	84
Text Books	3459	1287000	765	299000	4224	1586000
Reference Books	391	156000	215	85000	606	241000
e-Books	10000	Nil	Nil	Nil	10000	Nil
Journals	119	238000	75	170000	194	408000
e-Journals	11	1912000	8	1108000	19	3020000
Digital Database	2	Nil	Nil	Nil	2	Nil
CD & Video	139	Nil	57	Nil	196	Nil
Library Automation	1	10000	Nil	Nil	1	10000

[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
Geetha P	Data Structure and Algorithms	Google Classroom	16/08/2017
Dr. Indumathi G	Multimedia Communication	Whatsapp	05/08/2017
J Vimala Devi	FLAT notes	Google Classroom	16/08/2017
Dr. Suma S P	Engineering Mathematics-I	Whatsapp	16/08/2017
Hema A	Electrical Distribution System - Text Book	Google Classroom	05/02/2018

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existin	754	653	752	30	0	13	51	50	7

g									
Added	100	95	100	0	0	3	2	50	0
Total	854	748	852	30	0	16	53	100	7

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
Data structures and Applications	https://classroom.google.com/c/NzE5NzE2OTMlOVpa
Design and Analysis of Algorithms	https://classroom.google.com/c/ODk4MTM1MjE4

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
149	127.6	643.5	570.8

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 done 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 health care center with in-house doctor facility.

<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 under Meritorious	12	304000
Financial Support from Other Sources			
a) National	Govt. of Karnataka OBC-(Under Fees Concession), SC/ST, AICTE/PMSSS, Zindal	1422	27173555
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
Bridge Courses	06/02/2017	955	Internal Faculty, CiTech
Aspiring Minds Session	14/03/2017	238	AMCAT
Capability Enhancement Programs	16/03/2017	570	Experts from Various Industries
Technical Training	20/03/2017	232	CL Educate
Pre-Placement Training	28/07/2017	982	Vista Mind
CFD application and opportunities for career.	09/09/2017	57	Dr Shekar Pandian. N
Mphasis Pre-placement Training	07/10/2017	206	CoCubes
Design Thinking	14/10/2017	26	Bites
Soft skills	01/02/2018	773	Skill Co, Primo

Training			Incorporated
Design and Fabrication of OFF ROAD Vehicles from Team Helios	22/02/2018	58	Dr. Nataraj J R
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	soft skill training	564	564	16	258
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 Mindtree Ranstad LOWES NTT Data Infosys Westline Shipping QUEST INFORMATICS FTD AUTOMATION Mphasis First American HP INC SASMOS CL EDUCATE PRIME NUMBERS SCII SOLID TEAM CONSULTING SONICWALL TOP RANKERS PROFECTUM	1741	186	Kevin Electricals Fokker Elmo Sasmos GBB Consulting Services Pvt Ltd HP INC NTT DATA PROFECTUM REVIVE THINK LEARN Indian Army Preac Accenture Cognizant Forbes Marshall Global6, Indiranagar Gruha Laxmi Group of Industries, Belgaum HCL HDFC Infosys	351	72

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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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	3	BE	ECE	Technische University ,Germany	MS
2018	2	BE	Civil	Politechnico di Milano	MS
2018	1	BE	Civil	Motion Institute of Management Studies	MBA
2018	1	BE	Civil	REVA University	MBA
2018	1	BE	Civil	SKSSJIT, KRCircle, Bengaluru	M.Tech
2018	1	BE	Civil	Vijaya Vittala Institute of Technology	M.Tech
2018	1	BE	Civil	REVA University	M.Tech
2018	2	BE	ISE	BMSIT	M.Tech,CSE
2018	1	BE	ISE	New Horizon	M.Tech,CSE
2018	1	BE	ISE	Cambridge Institute of Technology	M.Tech,CSE

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

Items	Number of students selected/ qualifying
NET	1
GATE	1
GRE	3
TOFEL	2
Any Other	9

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

Activity	Level	Number of Participants
Foot Ball	Chiguru, College Fest	90
Throw ball	Chiguru, College Fest	75
Shotput	Chiguru, College Fest	35
Running Race	Chiguru, College Fest	86
Tug of war	Chiguru, College Fest	40
Cricket	Chiguru, College Fest	150
Volley ball	College Level	60
Ethnic Day	College Level	650
Kannada Rajyotsava	College Level	550
Chiguru- Cultural Fest	National Level Cultural Fest	1450
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
2018	Second Prize	National	Nil	1	1CD17ME095	Shri Hari R S
2018	Second Prize	National	Nil	1	1CD17ME052	Lohit U Vaddi
2018	First Place	National	Nil	1	1CD14EC071	Parithiban N
2018	Second Prize	National	1	Nil	1CD14EC091	Rujutha S
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-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 a strong 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 the 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 into 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 02/08/18 to know their needs which were fulfilled by issuing all the children a pair of sandals for their everyday use. They also offered stock of biscuits for a month. The 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, 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. We believe that with greater support we can achieve many more milestones and bring laurels to the Association and their Alma Mater. We are thankful to alumni for their presence, their valuable time, and participation in the activities of our institution.

5.4.2 – No. of enrolled Alumni:

700

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

350000

5.4.4 – Meetings/activities organized by Alumni Association :

The 5th Annual Alumni Meet - 2018 To walk down the memory lane and cherish the wonderful moments spent on the campus, Citech organized an alumni meet on 19/05/2018. The message spread far and wide and more than 250 alumni members attended the meet. The office bearers of the Alumni Association, under the able guidance of the Chief Faculty Coordinator Prof. Pankaja K, assisted by Prof. Sapna, ISE dept, Prof ShyamSundar, ECE dept, Prof Suresh, Mech dept, Prof Sujatha, EEE dept, Prof Diwakar, MCA dept and Prof Raghu from MBA dept, hosted a wonderful evening for the members. The event was graced by the presence of the Chief Guest, our beloved Chairman Shri. D K Mohan, our dynamic Principal Dr. Suresh L, Mr. Preetham M, President of the Alumni association from ME dept and the heads of various departments and faculty members. The MC of the program was Ms. Harini, an Alumna from CSE dept. The detailed report about CiTech Alumni Association was presented by Ms. Pankaja K, Assoc Prof, CSE dept. The event witnessed active involvement from alumni and a number of commendable suggestions were put forth for strengthening the bond between Alumni and their

Alma Mater. The Principal addressed the Alumni about the growth of college. The Chief guest of the Meet, Shri D. K. Mohan addressed all the Alumni and appreciated their suggestions for improvement of the college. CITECHAA President Mr. Preetham Raj requested in his address to all alumni to show active and mass participation in all the work carried by Citech Alumni Association. The meet was concluded with a happy note by Mr. Pushpanathan, an Alumnus from ISE dept followed by sumptuous Dinner, arranged at serene and green lawn of college campus Lawn. The Office bearers pledged to work selflessly for the growth of the association. Following the Footsteps of the yesteryears, various social service activities were carried out to help the needy. Members of the Alumni association took steps to help the needy especially street vendors and school kids. So our volunteers under the able leadership of Mr. Sumanth, identified 5 Localities. The work started on 19-05-2018 by 11:00am simultaneously at different localities mentioned below 1. K R Puram 2. Hebbal 3. Silkboard 4. Sevanagar 5. Indiranagar To help them through winter by providing warm blankets and providing school kids with essential supplies like bags, lunch boxes, stationary kits etc. The event was a continued effort at reaching out to the society and a noble gesture by our fellow alumni. We at CiTech believe that with greater support we can achieve many more milestones and bring laurels to the Association and our Alma Mater. Suggestions by Alumnus: To focus more on industry-oriented education To include latest Technologies in the education system irrespective of the university syllabus To change teaching learning process, which helps students to face the outside world. <https://www.cambridge.edu.in/alumni/report/2018.html>

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 is incorporated in the administrative functioning of the institute. Participative management is an open form of management where the employees are actively involved in the conceptualization as well as 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 technical staff who help in the conduct 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 after getting approval from management. The HoD of each department in consultation with faculty members prepare the academic calendar in line with the college calendar. The time table coordinator of the department prepares the time table for academics which includes theories, labs, forum activities and project in tune with the VTU calendar of events. The absentees list of students is prepared on every day after the 2nd hour of the day and the parents are informed through SMS by the respective class teachers. All Departments organize invited talk from Industry and Academia for all students. All Departments take a proactive role in augmenting the knowledge of students beyond curriculum with hands on experience on current technologies. All Departments regularly conduct

faculty meetings to take cognizance of the coverage of syllabus (theory, labs and other academic related activities). Regular student counselling 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)?

Partial

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>There are different strategies planned to improve admissions and quality admissions like - 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 Meritorious students are provided with fee concessions. 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 based on duration of the course and syllabus coverage.</p>
Human Resource Management	<p>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 as per the process defined by the Citech Primer.</p>
Research and Development	<p>Departments are continuously applying for Research Funding from VGST, DST, ISRO, DRDO, VTU and other funding agencies. The departments of ME, CSE, ECE, Maths, Physics and Chemistry have Research Centers approved by VTU. The college management extends financial support for paper publication to both students and faculty. Faculty pursuing</p>

Ph.D are supported with vacations and special leaves for research publications, experimentations, presentations, comprehensive/Doctoral Committee meeting/open seminars/colloquiums etc,. R and D centers in every department encourage students to carry out in-house projects, well supported by faculty in their respective areas of interest. Some of the projects are funded by the college.

Teaching and Learning

ICT enabled teaching is adopted. 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 some courses in the curriculum. Seminars, SDPs and workshops are conducted for the students by subject experts. 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.

Examination and Evaluation

The Controller of Examinations (COE) is in charge of coordination and conduct 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. Students are evaluated after each internal assessment and an articulation matrix is used to assesses student performance level. 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. A well-scrutinized question paper is finally approved.

Library, ICT and Physical
Infrastructure / Instrumentation

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 stake holders. 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.

Industry Interaction / Collaboration

The college has provided Industry interaction/incubation cell facility. Each department has established their own collaboration and industry interaction with faculty initiatives.

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
2017	Manasa G P	Two days workshop on DSP lab	RNSIT	400
2017	Shivamurthy K P	Two days workshop on DSP lab	RNSIT	400
2018	Dr. Puspalaatha H L	Solid State Physics	NPTEL	600

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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)
2018	FDP on Revised Blooms Taxonomy	Nill	01/01/2018	01/01/2018	174	Nill
2018	FDP on Process and	Nill	05/01/2018	05/01/2018	179	Nill

	efficacy of Autonomy in an Engi neering Colleges					
2018	FDP on Research M ethodology for Engine ering	Nil	31/01/2018	31/01/2018	163	Nil
2018	Two Weeks AICTE Sponsored FDP on Finite Element Analysis on Finite Element Methods Stress Analysis	Nil	22/01/2018	03/02/2018	65	Nil
2018	Nil	Basic Skill Deve lopment in Computing	05/02/2018	07/02/2018	Nil	35
2017	Workshop on Integrated Solid Waste Mana gementWork shop on Integrated Solid Waste Management	Workshop on Integrated Solid Waste Management	31/10/2017	31/10/2017	22	4
2018	Technical talk on Basic Geot echnical I nvestigati on	Nil	12/04/2018	12/04/2018	16	Nil
2018	Three day faculty induction program sponsored by AICTE	Nil	17/06/2018	19/06/2018	25	Nil
2018	ARM Cortex M3	ARM Cortex M3	05/02/2018	06/02/2018	20	6

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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
Pedagogic Personal Effectiveness Capacity Building Workshop	1	18/12/2017	20/12/2017	3
Seminar on Emerging Trends in Digital Broadcasting	2	03/02/2018	03/02/2018	1
Workshop on Pedagogic Personal Effectiveness	1	18/12/2017	20/12/2017	3
Java SE8 Programming with JDBC Networking	3	28/07/2017	02/08/2017	6
A Survey on Big Data Stream Processing Technological	1	04/12/2017	04/12/2017	1
Python Programming	39	22/01/2018	24/01/2018	2
Faculty Enablement program on foundation Program 4.1	2	03/08/2017	07/08/2017	5
FDP on Artificial Intelligence/Machine Learning	3	15/12/2017	15/12/2017	1
ARM Cortex M3	25	05/02/2018	06/02/2018	2
FDP on Wireless Networks and IoT using NS3	2	04/01/2018	15/01/2018	8

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
14	14	2	2

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>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 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.</p>	<p>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.</p>	<p>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.</p>

6.4 – Financial Management and Resource Mobilization

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

6.4.1 Institution conducts internal and external financial audits regularly (with in 100 words each) Prior to the audit, 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 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	12000	Quadcoptor (Drone)0
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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Null	Yes	Internal Audit Committee
Administrative	No	Null	Yes	Internal Audit Committee

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

<p>The management arranges for a parent teacher meet twice in a semester. The parents are invited by 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, help regarding tutorial classes will be addressed. 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 teaching learning process and value additions are collected.</p>

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

<p>The staff were given training on Road safety, Swatch Bharath and disposal of waste as wet and dry. They were trained how to keep the campus and departments clean. Orientation programme, Computer and skill based training Improvement programme were conducted. The support staff are provided with health facilities and uniform.</p>

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

<p>Continuous assessments of POs, PSOs and course files are being conducted at department level by senior faculty. Assessments and attainments of POs, PSOs, targets and result analysis based on the results of every student in internal and external examination is being conducted as soon as the results are announced by Visveswaraya Technological University. Five-day FDP for teaching faculty is conducted every Semester during vacation where the experts from various Institutes and Corporates deliver talk on the topics like how to improve teaching and learning, counselling of students, yoga, healthier habits etc. All the faculty are supported to publish research papers in reputed Scopus indexed journals.</p>
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6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	A Five Day FDP on Accreditation Process of NBA	24/07/2018	24/07/2018	28/07/2018	174
2018	FDP on Revised Bloom's Taxonomy	01/01/2018	01/01/2018	01/01/2018	174

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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
Guest Lecture on Women Empowerment	25/01/2017	25/01/2017	290	Nil
Faculty Sport Meet	25/02/2017	25/02/2017	60	70
Women's day Celebration	08/03/2017	08/03/2017	80	70
Women's Health Awareness Programme	11/04/2017	11/04/2017	210	Nil

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 provides various means to educate or bring awareness amongst students on climate change and environmental education as a part of curriculum. In a move to opt alternate energy resources, Institute has installed a solar panel system. In addition solar wind hybrid power generation is being used LED lighting (5-6 Bulbs) is in place. Dustbins are installed at various locations and cleanliness is maintained. 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
2017	1	1	26/03/2017	1	NPTEL	NIL	1000
2017	1	1	08/04/2017	2	JEE	NIL	910
2017	1	1	24/05/2017	1	COMED-K	NIL	750
2017	1	1	28/05/2017	1	AIIMS-MBBS	NIL	910
2017	1	1	04/06/2017	1	JIPMER	NIL	1000
2017	1	1	16/07/2017	1	SSLR	NIL	1000
2017	1	1	20/07/2017	1	Police Constable Exam	NIL	980
2017	1	1	09/11/2017	1	AIIMS	NIL	365
2017	1	1	24/09/2017	1	NPTEL	NIL	1000
2017	1	1	12/10/2017	1	LIC	NIL	263

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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	01/09/2017	"The Code of Conduct"

was prepared to make the stakeholders aware of the rules and regulations and code of conduct that exist in the institute. All the teaching, non-teaching staff and students were informed to adhere to the rules and regulations mentioned in this document. Principal of the Institution informs the code of Conduct to the students and the parents in the first Year Inauguration Program every Year. The Discipline Committee supervises and looks in the overall conduct of the students.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Rally on Rivers	04/09/2017	04/09/2017	400
Motivational Talk - being Positive	09/09/2017	09/09/2017	250
Motivational Talk - Fulfilling one's dream	28/09/2017	28/09/2017	200
Swachh Bharat Abhiyana Social service	02/10/2017	02/10/2017	40
Workshop on Integrated solid waste management	31/10/2017	31/10/2017	45
Diabetes Awareness programme	15/11/2017	15/11/2017	80
Blood Donation Camp Social service	16/11/2017	16/11/2017	750
A Visit to a Jeevitha Ashram -Donation of daily needs such as Grocery, Buckets Mugs-	26/02/2018	26/02/2018	22
Awareness about waste segregation in making the city clean and devoid of diseases- Along with NGO VEDAN	29/04/2018	29/04/2018	118

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

The institute is a 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" ? Plantation Drive ? Conserve native species of plants and trees

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Describe at least two institutional best practices : Title of the Practice - 1: Student counselling/Mentoring 1. Objectives of the Practice: a. To help students realize their full potential b. To support students in dealing with issues/concerns either related to studies or of personal nature. c. To guide students with academic progression and career planning 2. The Context: Students who are aware of their potential will be able to fulfill their professional challenges. They will be able to deal with uncertainties and challenges more effectively. Counselling allows the students who seek support, such students get guidance to overcome the problems. Counseling enables them to inquire without apprehension because mentor is eager to assist. Counselling sessions at an early stage opens the lines of communication making students familiarize with the importance of choosing the right career. A regular counselling session is about listening to the student and giving appropriate suggestions. Students become better human beings as a result of guidance and counselling, as they are advised on how to tackle different situations. Allowing a student to achieve and perform his/her best contributing to his/her overall development. Every student is unique and special in their own way. Productive counselling can assist the teacher in determining the potential of each student and also the ways in making them realize their potential. 3. The Practice: This is the second year of practice since its inception in 2015-16. The counsellor hands over a counselling book to each student and arranges three formal meetings with individual students each semester, during which students discuss their academic interests, priorities and goals, family history and academic performance. Students will discuss their academic and other issues in a congenial atmosphere provided by the counsellor. The mentor examines each students attendance and success and takes appropriate steps. Parents are informed about their ward's progress, and in continuing situations, separate parent meetings are held to report. Depending on their interests and abilities, students are also encouraged and guided to engage in literary, creative arts, performing arts, and athletics. 4. Evidence of Success: This is a continuous phase for the student during his or her four years (eight semesters) in college. The process results can be assessed subjectively. Most students exhibit academic success achieved through counselling, implying improved performance with each passing year. Students who have made phenomenal strides may be cited as examples. Students gain a greater understanding of the topics as well as their beliefs. • Documentation of the various issues -for quick reference • Periodic assessment/Counselling to ensure follow-up, quick review and response for improvement Title of the Practice -2: Project Based Learning 1. Objectives of the Practice: An ability to interact with a group of students who share a

common interest. Creates knowledge of potential opportunities and builds relationships with them. Compiles competitive information. 2. The Context: The aim of hosting a project exhibition is to provide a forum for final-year students to exhibit their ingenuity and perseverance over the course of the previous year in terms of their final-year project work. Furthermore, junior-senior interactions will expose them to a variety of potential areas and support them in identifying their areas of interest and project opportunities.

3. The Practice: An exhibition is one in which the presented model is demonstrated by the use of multimedia technologies such as PowerPoint presentations. Exhibitions provide a powerful forum for students to come together, exchange ideas, and create long-lasting bonds. The science exhibition necessitates careful consideration of every scenario, and students must weigh the benefits and drawbacks of each choice. Students arrive at the desired conclusion or solution after considering the problem from all possible perspectives and applying logical thinking skills. The models on display in an exhibition are saved for future use. A variety of solutions to a variety of problems are maintained in this way. 4. Evidence of Success: Many times, the talent is not recognized for a variety of reasons. The exhibition is a fantastic way to get your talent recognized and accepted. Students morale and self-esteem are boosted as a result of the words of affirmation, motivating them to aspire for more. Aside from the benefits mentioned above, students who participate in an exhibition receive additional benefits. ? Student involvement ? Significant Content Learning ? A Shared Instructional Vision ? Preference in Learning and Teaching 5. Problems Encountered and Resources Required: To complete the project tasks, you need resources. These may include staff, equipment, services, and finance, all of which are necessary to complete a project. Both quality and elements goal must be balanced in relation to the projects overall scope.

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/2021/04/BEST-PRACTICES-17-18-1.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

PROCESS DOCUMENTS: It is important to define the process to implement the strategies. Success of the strategy predominantly depends on how effectively it has been implemented. Two versions of the process were designed and released in the Institution. Version I - This version emphasized mere on Teaching Learning Process. Teaching learning process defines the framework to deliver sessions effectively in the classroom. The process of course allotment, identifying the curriculum gap and ways in which the identified gap is filled is defined. In addition, the process of conducting the assessments are also defined. Each of the activities pertaining to the teaching learning process is also mapped with PO attainment as applicable. This has helped to establish a standard process of teaching learning activity across the institution. Version II: - Version 2 was created to design the processes for all other activities carried out at the institution. The whole intent was to standardize the process across the institute. In addition to teaching learning, the version II covered the activities namely, Student Admission, Governance, Recruitment Process, Student Support System, Faculty Appraisal system, Placement and Training. The process document also helped in implementing OBE at the college level. All activities conducted at the institution were linked to the POs or COs as applicable. The process also helped in defining the vision, mission and objectives of the department. In addition the strategies and tactics to be adopted to implement

the vision, mission and objectives was also designed

Provide the weblink of the institution

<https://engg.cambridge.edu.in/wp-content/uploads/2021/04/Institute-Distinctiveness-17-18-1.pdf>

8.Future Plans of Actions for Next Academic Year

• **INTUIT: Strengthening project competition for students:** Project competition has been conducted every year for final year students. During 2017 - 2018 it was decided to make it more effective by conducting the project exhibition in the name of "INTUIT" by awarding students based on "Best Design ", "Best Project of Social relevance " and "Best Innovative Project". Based on these criteria, the project exhibition was finalized with better evaluation parameters. The evaluation parameters were also finalized for motivating students to work on implementing better projects. • **Centralized Internal Test:** The IQAC decided to have a centralized approach decided to have a centralized approach for conducting internal test for the next academic year. It was decided to have a controller of Examination supported by Dept. Coordinators and supporting staff to enhance the quality system in Internal Assessment. • It was decided at the Institute level to apply for NIRF and Q.S Ranking for better branding of the Institution. • **NBA Audit:** The Audit Schedule was discussed to meet the deficiency of NBA report. • **FDP:** As part of quality enhancement of faculty members, it was decided plan for more support to be extended to faculty to conduct and participate in FDP's in the subsequent years.