

Annual Quality Assurance Report (AQAR) of Internal Quality Assurance Cell (IQAC)

Academic Year 2017-18
(August 1, 2017 – July 31, 2018)

Submitted to



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P.O. Box No. 1075, Nagarbhavi, Bangalore – 560 072



Partnering in Academic Excellence

Channabasaveshwara Institute of Technology

(NAAC Accredited & ISO 9001:2015 Certified Institution)

(Affiliated to Visvesvaraya Technological University, Belgaum, Karnataka & Recognized by AICTE, New Delhi)

N.H. 206, (B.H. Road), Gubbi, Tumkur-572216, Karnataka

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The Annual Quality Assurance Report (AQAR) of the IQAC
Academic Year 2017-18 (August 1, 2017 – July 31, 2018)

Part – A

1. Details of the Institution

1.1 Name of the Institution

Channabasaveshwara Institute of Technology

1.2 Address Line 1

N.H 206, B.H Road

Address Line 2

Gubbi

City/Town

Tumkur

State

Karnataka

Pin Code

572216

Institution e-mail address

info@cittumkur.org, hr@cittumkur.org

Contact Nos.

08131-223818/ 223365 / 223144

Name of the Head of the Institution:

Dr. Suresh D S

Tel. No. with STD Code:

08131-223818/ 223365 / 223144

Mobile:

9686550488

Name of the IQAC Co-ordinator:

Prof. Pradeep V

Mobile:

7406057060

IQAC e-mail address:

iqac@cittumkur.org

1.3 NAAC Track ID (For ex. MHCOGN 18879)

KACOGN 27592

1.4 NAAC Executive Committee No. & Date:

EC(SC)/28/A&A/215.1 dated 30-10-2017

(For Example EC/32/A&A/143 dated 3-5-2004.

This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)

1.5 Website address:

www.cittumkur.org

Web-link of the AQAR:

www.cittumkur.org/iqac/AQAR-2017-18.docx

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B+	2.53	2017	30.10.2017 to 29.10.2022

1.7 Date of Establishment of IQAC : DD/MM/YYYY

15/11/2017

1.8 AQAR for the year (for example 2010-11)

2017-18

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

Nil

1.10 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

1.12 Name of the Affiliating University (*for the Colleges*)

Visvesvaraya Technological
University, Belagavi

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence UGC-CPE

DST Star Scheme UGC-CE

UGC-Special Assistance Programme DST-FIST

UGC-Innovative PG programmes Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers	17
2.2 No. of Administrative/Technical staff	5
2.3 No. of students	7
2.4 No. of Management representatives	1
2.5 No. of Alumni	4
2.6 No. of any other stakeholder and community representatives	-
2.7 No. of Employers/ Industrialists	3
2.8 No. of other External Experts	3
2.9 Total No. of members	24

2.10 No. of IQAC meetings held:

2.11 No. of meetings with various stakeholders: No. Faculty
 Non-Teaching Staff Students Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution Level

(ii) Title/Theme

S.No.	Title/Theme	Date(s)	(International / National / State / Institution Level)
1.	Mathematics for Machine Learning and Introduction to Deep Learning	23/04/2018 & 24/04/2018	National Level
2.	Go Programming	17-07-2018 & 18-07-2018	National Level

3.	31 st CSI Karnataka State Students Convention - KNEW 2017 (Theme: Digital Transformation: Challenges and Opportunities)	13/10/2017 & 14/10/2017	State Level
4.	Linear Algebra and Statistics	19-07-2018 & 21-07-2018	State Level
5.	Alternate Building Materials in Construction	21-07-2018	State Level
6.	Management Skills for Teachers	01-08-2017	Institution Level
7.	Python Programming	02-08-2017	Institution Level
8.	Software Version Management	03-08-2017	Institution Level
9.	Andriod Application Development	05-08-2017	Institution Level
10.	Introduction to Dockers	11-08-2017	Institution Level
11.	Quality Assurance of Construction Materials through Testing	30-08-2017	Institution Level
12.	Carrier Opportunities in Mechanical Engineering and Skill Enrichment Programs	20/09/2017	Institution Level
13.	Precast Concrete Construction – Global Scenario	16-10-2017	Institution Level
14.	PC Based Automation	10.11.2017	Institution Level
15.	Overseas Education	20-11-2017	Institution Level
16.	Start-Up Incubation and Funding Opportunities	17.01.2018	Institution Level
17.	Mathematics In GPS	18-01-2018	Institution Level
18.	Google Page Rank Algorithm	18.01.2018	Institution Level
19.	Finite Field and Its Applications	19.01.2018	Institution Level
20.	Geometry In Nature	19.01.2018	Institution Level
21.	Broad Problem of Current Research	20.01.2018	Institution Level
22.	JPEG Compression	20.01.2018	Institution Level
23.	CAD/CAM and Analysis of Composite Materials By Using Abaqus	24.01.2018 to 29.01.2018	Institution Level
24.	Computer Awareness Program for Government High School Students	31.01.2018	Institution Level

25.	Drupal Global Training Program	17.03.2018	Institution Level
26.	Quantity Surveying Using Excel	07-04-2018	Institution Level
27.	FESTO Mobile Expotainer	12/04/2018	Institution Level
28.	INFO TEQNIX 2018 - Intra College Technical Symposium	21.04.2018	Institution Level
29.	Awareness Talk on Japanese Language as an Additional Skillset for Better Career Prospects	23.03.2018	Institution Level
30.	Seminar on Industrial Automation and Robotics	24/04/2018	Institution Level
31.	NIRMAAN 2K18 - Intra College Technical Symposium	03.05.2018	Institution Level
32.	Workshop on Bio-Fuel	04/05/2018	Institution Level
33.	Accelerated Learning / Quantum Accelerated Learning	16.07.2018	Institution Level
34.	NBA Accreditation	16.07.2018	Institution Level
35.	Participative Classrooms	24-07-2018	Institution Level
36.	Smart Grid	25-07-2018	Institution Level
37.	Computational Methods and Technologies, Theory of Failures and Turbo Machine	25.07.2018 to 27.07. 2018	Institution Level
38.	Microwave Applications In Satellite Communication, Remote Sensing And Navigation	27.07.2018	Institution Level
39.	Library Resources	28.07.2018	Institution Level

2.14 Significant Activities and contributions made by IQAC

- The Institution has implemented Moodle, as a Learning Management System that enables faculty to create their own site filled with dynamic courses that extend learning, anytime, anywhere. The Moodle tool helps faculty to keep track of academic calendar, course deadlines, and other personal events.
- Internal Academic audit is conducted twice in a semester to monitor the record of attendance, internal assessment process, lesson plan execution, lab conduction, proctor system, remedial classes, and other teaching-learning process.
- Faculty development programmes are organized regularly.
- The Institute has implemented the Proctorial system through which the progress of the students is monitored closely. Every teaching faculty is assigned a group of students and the concerned faculty is responsible for guiding and mentoring their respective students.
- The institute is exploring and using ICT for its various practices. A new initiative 'CSE for CIT' was launched to increase the IT prevalence in the campus. Faculty members are encouraged to develop IT tools which finds application within the campus.
- Peer Learning - Faculty learning from other Faculty: An Initiative where two faculty members will deliver a talk on their interested topics every Saturday.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
Recognition of the College under section 2(f) of UGC	Included in the list of colleges prepared under section 2(f) of the UGC Act 1956. Ref: F.No. 8-491/2017(CPP-I/C) dated 28.3.2018
Adding the course 'Domestic data entry operator' under AICTE-PMKVY	Received approval from AICTE and 25 students had enrolled for the course.
Establishing the Department of Mathematics as Research Centre under Visvesvaraya Technological University	The Department of Mathematics is recognized as Research Centres under Visvesvaraya Technological University. University Notification Ref. No. VTU/Aca-Res.-Cen./A4/2017-18/6954/180
Organizing the CSI Karnataka State Students Convention	Organized the 31 st CSI Karnataka State Students Convention - KNEW 2017 under the Theme: Digital Transformation: Challenges and Opportunities on 13/10/2017 & 14/10/2017

Academic Calendar of the year 2017-18 is attached (Annexure-1).

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

AQAR report for 2017-18 was placed, discussed and ratified in the Governing Council Meeting No. 28 dated 23.6.2018.

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes
PhD	4	1	5
PG	4	-	4
UG	6	-	6
Total	10	-	10

- 1.2 (i) Flexibility of the Curriculum: CBCS Core Elective Open
(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	10
Trimester	-
Annual	-

- 1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

Mode of feedback : Online Manual Co-operating schools (for PEI)

- 1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

The Institution is affiliated to Visvesvaraya Technological University, Belgaum and follows the curriculum and syllabi prescribed by the University.

Dr. Suresh D S, Principal and Professor in the Department of Electronics and Communication Engineering holds the following responsibilities in Visvesvaraya Technological University, Belgaum:

- Member - Executive Council
- Member - 6th Academic Senate
- Special Invitee – Joint Board of Studies

- 1.5 Any new Department/Centre introduced during the year. If yes, give details.

The Department of Mathematics is recognized as Research Centre under Visvesvaraya Technological University.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	126	105	4	15	2

2.2 No. of permanent faculty with Ph.D. 17

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year	Asst. Professors		Associate Professors		Professors		Others		Total	
	R	V	R	V	R	V	R	V	R	V
	12	0	0	17	0	4	0	0	0	21

2.4 No. of Guest and Visiting faculty and Temporary faculty - - -

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	35	30	3
Presented papers	29	24	1
Resource Persons	-	2	-

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- The Institution implemented Moodle, as a Learning Management System that enables faculty to create their own site filled with dynamic courses that extend learning, anytime, anywhere.
- Question & Answers based Learning: Creating huge repository of Questions and Answers for all the subjects where all the students will contribute question and answers on their subjects studying currently by collecting information from the experts' discussion in the social websites.

2.7 Total No. of actual teaching days during this academic year 169

2.8 Examination/ Evaluation Reforms initiated by the Institution:

- The Institution is affiliated to Visvesvaraya Technological University, Belgaum and follows Examination/ Evaluation Regulations as prescribed by the University.
- The Institution has implemented centralized IA (Internal Assessment) evaluation system, where submission of question papers, photocopying question papers, allocation of invigilation duty, rooms' allotment, submission of answer books by the invigilators and evaluating the test papers are centralized.
- Moderation of the IA Papers from outside experts.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop:

Member of Curriculum Development workshop

9

2.10 Average percentage of attendance of students

89%

2.11 Course/Programme wise distribution of pass percentage (2017-18):

Title of the Programme: B.E. Computer Science & Engineering

Semester	No. of students appeared	No. of students Passed	Pass %	No. of Distinction	No. of First Division	No. of Second Division
I	116	64	55.17	42	20	2
II	116	64	55.17	56	7	1
III	128	68	53.12	4	39	25
IV	126	63	50.40	26	31	6
V	114	96	84.21	15	43	38
VI	114	73	64.03	15	51	7
VII	113	102	90.26	26	57	19
VIII	123	115	93.49	84	30	1

Title of the Programme: B.E. Information Science & Engineering

Semester	No. of students appeared	No. of students Passed	Pass %	No. of Distinction	No. of First Division	No. of Second Division
I	42	21	50	7	14	0
II	42	20	47	15	5	0
III	65	38	58	15	15	8
IV	64	17	26	3	13	1
V	42	39	92	3	16	20
VI	42	30	71	7	16	7
VII	45	40	88	14	21	5
VIII	50	47	94	35	12	-

Title of the Programme: B.E. Electronics & Communication Engineering

Semester	No. of students appeared	No. of students Passed	Pass %	No. of Distinction	No. of First Division	No. of Second Division
I	101	55	54.46	40	14	1
II	101	55	54.46	33	20	2
III	146	64	43.83	25	29	10
IV	143	60	41.95	12	28	20
V	115	110	91.3	25	44	41
VI	115	86	74.78	19	31	36
VII	128	92	71.87	19	49	24
VIII	134	127	94.77	91	36	0

Title of the Programme: B.E. Electrical & Electronics Engineering

Semester	No. of students appeared	No. of students Passed	Pass %	No. of Distinction	No. of First Division	No. of Second Division
I	45	23	71.92	18	5	0
II	43	34	79.06	20	13	1
III	62	11	17.74	3	6	2
IV	62	11	40	3	6	2
V	59	37	62.71	8	19	10
VI	58	30	48.27	5	16	9
VII	44	32	72.72	10	18	4
VIII	44	43	97.72	23	19	1

Title of the Programme: B.E. Civil Engineering

Semester	No. of students appeared	No. of students Passed	Pass %	No. of Distinction	No. of First Division	No. of Second Division
I	58	14	24.14	12	2	0
II	55	25	45.45	19	4	2
III	75	42	56	11	19	12
IV	73	33	45.20	11	16	06
V	56	50	89.29	24	18	8
VI	55	45	81.82	30	12	3
VII	71	57	80.28	30	20	7
VIII	73	67	91.78	55	11	1

Title of the Programme: B.E. Mechanical Engineering

Semester	No. of students appeared	No. of students Passed	Pass %	No. of Distinction	No. of First Division	No. of Second Division
I	119	49	41.17	12	35	02
II	119	26	21.84	15	10	01
III	147	69	46.83	17	42	10
IV	142	36	25.32	15	19	2
V	95	55	57.89	19	31	5
VI	95	48	50.52	17	26	5
VII	125	87	69.6	43	32	12
VIII	125	110	88	95	15	0

Title of the Programme: M.Tech. Computer Science & Engineering

Semester	No. of students appeared	No. of students Passed	Pass %	No. of Distinction	No. of First Division	No. of Second Division
I	3	3	100	3	0	0
II	3	2	66.66	2	0	0
III	3	3	100	3	0	0
IV	3	3	100	3	0	0

Title of the Programme: M.B.A. (Master of Business Administration)

Semester	No. of students appeared	No. of students Passed	Pass %	No. of Distinction	No. of First Division	No. of Second Division
I	60	54	90	4	35	15
II	60	54	90	5	22	27
III	57	46	80.70	12	29	05
IV	56	44	78.57	4	36	04

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- Preparing academic calendar for every semester in line with the University schedule
- Encouraging the departments to prepare departmental annual reports
- Encouraging the departments to organize workshops/seminars/guest lectures/industrial visits
- Academic audit of the departments twice in a semester
- Feedback from the students twice in a semester on teaching & learning processes
- Teaching-Learning process that complies with the requirements of ISO standard
- Teaching diary to record and monitor the day-wise teaching and learning process

- Organizing the faculty development programs regularly
- The procedures and policies developed from IQAC helps in meeting the requirements of the statutory bodies like AICTE and VTU ensuring the external quality assurance agencies like NAAC and NBA.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	98
UGC – Faculty Improvement Programme	-
HRD programmes	95
Orientation programmes	96
Faculty exchange programme	-
Staff training conducted by the university	9
Staff training conducted by other institutions	7
Summer / Winter schools, Workshops, etc.	12
Others	97

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	55	-	-	-
Technical Staff	28	-	-	-

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- Encouraging faculty members to pursue Ph.D programme
- Subscription of reputed journals including IEEE, Springer
- Digital Library with access to all journals
- Organizing workshops on Research methodology and academic writing
- Encouraging faculty and PG students to publish papers in International / National journals
- Encouraging faculty and students to submit project proposals
- IPR and Patent culture among the faculty and students
- Providing opportunities to work in association with Industries

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	6	2	4
Outlay in Rs. Lakhs	6.4	146	50	215.77

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	6	-	-	-
Outlay in Rs. Lakhs	0.34	-	-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	31	1	-
Non-Peer Review Journals	-	-	-
e-Journals	32	-	-
Conference proceedings	27	-	-

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned (Rs.)	Received (Rs.)
Major projects	2013-2018	VGST, Govt. of Karnataka	40,00,000	20,00,000
Projects sponsored by the University/ College	2017-2018	VTU	60,000	60,000
Students research projects <i>(other than compulsory by the University)</i>	2017-2018	KSCST	34,000	34,000
Total			1,13,34,000	63,34,000

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

Details: Amount of Rs.170,400/- received from Welingkar Institute of Management Development & Research, Bangalore towards expenses for facilitating Grass roots exploration in and around Tumkur during 20th – 23rd February, 2018.

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	-	-	-	-
Sponsoring agencies	-	-	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From Funding agency From Management of University/College
Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	5
	Granted	3
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist	College
3	-	2	1	-	-	-

3.18 No. of faculty from the Institution
who are Ph. D. Guides
and students registered under them

9

19

3.19 No. of Ph.D. awarded by faculty from the Institution

-

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
National level International level

3.22 No. of students participated in NCC events:

University level State level
National level International level

3.23 No. of Awards won in NSS:

University level State level
National level International level

3.24 No. of Awards won in NCC:

University level State level
National level International level

3.25 No. of Extension activities organized

University forum College forum
NCC NSS Any other

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- The Institute facilitated a Grass Roots Exploration undertaken by students of Welingkar Institute of Management Development and Research, Bangalore from 20th to 23rd February 2018. The basic objective of this study was to sensitize students with regard to grass roots issues which people in rural areas are confronted. As a part of the study, grass roots issues related to health, education, cooperative, local governance, skill India, Digital literacy, Start Ups, Swatch Bahrath, industry & agriculture are explored in and around Gubbi. This study helped students in understanding rural consumer mindset and creation of new business ecosystem.
- Following programmes were organized by the NSS (National Service Scheme) unit of CIT.

S. No	Programmes	Place	Date	No. of Volunteers
1	Orientation Class for Volunteers	CIT Campus	01-04-2017	85
2	Campus Cleaning	CIT Campus	09-04-2017	73
3	Campus Activities	CIT Campus	24-04-2017	92
4	Save Lives: Slow Down	CIT Campus	12-05-2017	80
5	Awareness of cleanliness	Benachigere	15-05-2017	73
6	Independence Day Celebration	CIT Campus	15-08-2017	38
7	Teachers Day	CIT Campus	05-09-2017	67
8	Orientation Class and Drug Abuse awareness.	CIT Campus	14-09-2017	45
9	NSS Day	CIT Campus	23-09-2017	76
10	Gandhi Jayanthi	CIT Campus	02-10-2017	78
11	Blood Donation Camp	CIT Campus	11-11-2017	160
12	Kannada Rajyotsva	CIT Campus	30-11-2017	91
13	National Youth Day	CIT Campus	12-01-2018	73
14	World Forest day	CIT Campus	21-02-2018	71
15	Ethnic Day and Cultural Activities	CIT Campus	29-02-2018	41

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of infrastructure facilities:

Campus Area: 1,03,195 sq.m

No. of Class Rooms: 47

No. of Laboratories: 45

No. of Seminar Halls: 45

Equipments purchased so far (in Lakhs): 726. 417

4.2 Computerization of administration and library

- Administration
 - Moodle as Learning Management System
 - Fully computerized Admission, Accounts, HR, Exam, Scholarship, Transport sections
 - Generating ID cards for Staff and Students
 - Online Student registration
 - Online feedback system
 - Online Grievance System
 - Video conferencing facility
 - On-premises Cloud Set-up
 - Surveillance of entire premises activity through CCTV facility
- Library
 - Completely automation of transactions of learning resources through Library Management Software with an aid of bar code tags
 - Subscription of e- journals from VTU consortium that provides online access to IEEE/IEL online, Springer, Science direct, ASCE, Pro-Quest Engineering & Management etc.
 - Digital Library equipped with higher end configuration computers with high speed Internet facility
 - Web based OPAC (Online Public Access Catalogue) search
 - NPTEL (National Program on Technology Enhanced Learning) video lectures and other e-resources available through by Wi-Fi connectivity

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value (in Rs. in Lakhs)	No.	Value (in Rs. in Lakhs)	No.	Value (in Rs. in Lakhs)
Text Books	64889	211.11	702	11.26	65591	222.37
Reference Books	8335	27.48	189	9.94	8524	37.42
e-Journals	IP enabled access to the following e-Journals: IEEE Xplore Digital Library, ASCE, Springer, Taylor & Francis, Proquest, Knimbus, Science Direct through VTU Consortium project of Visvesvaraya Technological University. Fee for 2017-18: Membership Fee: Rs. 1 Lakh Journal Fee: Rs. 8.285 Lakh					

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres
Existing	891	23	50 Mbps	1	1
Added	30	0	50 Mbps	0	0
Total	921	23	100 Mbps	1	1

4.5 Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.)

- State-of-the-art computer centers housing 921 computers with 100 mbps Internet connection
- 24x7 Wi-Fi Facility
- All the computers are connected to the 100 Mbps LAN network
- Private Cloud setup in the Campus
- Programs organized during 2017-18
 - Workshop on Go Programming on 17-07-2018 & 18-07-2018
 - Workshop on Python Programming on 02-08-2017
 - Workshop on Software Version Management on 03-08-2017
 - Workshop on Andriod Application Development on 05-08-2017
 - Workshop on PC Based Automation on 10.11.2017
 - FDP on Mathematics In GPS on 18-01-2018
 - FDP on Google Page Rank Algorithm on 18.01.2018
 - FDP on JPEG Compression on 20.01.2018
 - Workshop on Drupal Global Training Program on 17.03.2018
 - Workshop on Library e-Resources on 28.07.2018

4.6 Amount spent on maintenance in lakhs :

i) ICT	5.43
ii) Campus Infrastructure and facilities	18.46
iii) Equipments	24.69
iv) Others	1287.23
Total :	1335.81

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

IQAC enhances awareness about Student Support Services through

- Displays at all prominent places in the college
- Institute website: www.cittumkur.org
- Institution Brochure
- Newsletters
- Induction Programme

5.2 Efforts made by the institution for tracking the progression

- Internal Academic Audit by the members of Academic Audit Committee Members to monitor the record of attendance, internal assessment marks, lesson plan execution, remedial classes, etc.
- Internal Assessment tests to assess the performance of the students.
- Student's feedback to evaluate the teaching performance of the faculty members.
- Proctor Meeting to monitor the progress of the students at a closer level.

5.3 (a) Total Number of students

UG	PG	Ph.D.	Others
2264	123	15	-

(b) No. of students outside the state

101

(c) No. of international students

-

Men	No	%	Women	No	%
	1247	52.2		1140	47.7

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
308	188	87	1856	-	2439	237	197	84	1869	-	2387

Demand ratio Dropout %

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- Library is equipped with good number of books and CDs for competitive exams.
- Coaching classes for competitive exams are conducted by the faculty members in the department level.

No. of students beneficiaries

All the Students

5.5 No. of students qualified in these examinations

NET SET/SLET GATE CAT
IAS/IPS etc State PSC UPSC Others

5.6 Details of student counselling and career guidance

- The Institute counsels the students at a closer level by a system called Proctor system. Under this system about 20 to 25 students are assigned to a faculty who will call for a meeting of the students during assigned hours or at the convenience of both faculty and students and discuss on academic, personal, co-curricular and extracurricular issues.
- The department of Placement and Training was established in the year 2003. The department has an exclusive Training and Placement officer and scope the department includes:
 - o Counselling & Career Guidance
 - o Training-hard & soft skills
 - o Placement-campus & off-campus
 - o Performance monitoring
- External counsellors are invited to address academic and developmental needs of the students

No. of students benefitted

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
17	260	15	11

5.8 Details of gender sensitization programmes

- Women empowerment cell is established with the following objective:
- o To promote a culture of respect and equality for female gender
 - o To conduct seminar, workshop to impart knowledge of opportunities and tools available and train the women
 - o To create a conducive counselling environment for female gender to share their problems
 - o To uphold Women's right to protection against sexual harassment.

The cell had organized the following programmes during 2017-18:

- International Women's Day on 13th March 2018
- Women hygienic campaign-A sustainable Menstruation on 18th December 2018
- Essay Competition for " What I Can Do for Clean India" on 6th September 2017

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports:

State/ University level National level International level

Cultural:

State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	05	435650/-
Financial support from government	1373	33281260/-
Financial support from other sources	09	100200/-
Number of students who received International/ National recognitions		

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: Nil

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

OUR VISION

To create centres of excellence in education and to serve the society by enhancing the quality of life through value based professional leadership.

OUR MISSION

- To provide high quality technical and professionally relevant education in a diverse learning environment.
- To provide the values that prepare students to lead their lives with personal integrity, professional ethics and civic responsibility in a global society.
- To prepare the next generation of skilled professionals to successfully compete in the diverse global market.
- To promote a campus environment that welcomes and honors women and men of all races, creeds and cultures, values and intellectual curiosity, pursuit of knowledge and academic integrity and freedom.
- To offer a wide variety of off-campus education and training programmes to individuals and groups.
- To stimulate collaborative efforts with industry, universities, government and professional societies.
- To facilitate public understanding of technical issues and achieve excellence in the operations of the institute.

6.2 Does the Institution has a management Information System

The Institution implemented Moodle, as a Learning Management System that enables faculty to create their own site filled with dynamic courses that extend learning, anytime, anywhere. The Moodle tool helps faculty to keep track of academic calendar, course deadlines, and other personal events.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

- The Institution is affiliated to Visvesvaraya Technological University, Belgaum and follows the curriculum and syllabi prescribed by the University.
- The curriculum design and development is done by the University.

6.3.2 Teaching and Learning

Teaching-Learning process complies with the requirements of ISO 9001:2015 QMS with the scope of “Imparting quality education in Technical and Management leading to Graduation, Post Graduation and Research Degree”.

6.3.3 Examination and Evaluation

- The Institution is affiliated to Visvesvaraya Technological University, Belgaum and follows Examination/ Evaluation Regulations as prescribed by the University.
- The Institution has implemented centralized IA (Internal Assessment) evaluation system, where submission of question papers, photocopying question papers, allocation of invigilation duty, rooms' allotment, submission of answer books by the invigilators and evaluating the test papers are centralized.

6.3.4 Research and Development

- Encouraging faculty members to pursue Ph.D programme
- Subscription of reputed journals including IEEE, Springer
- Organizing workshops on Research methodology and academic writing
- Encouraging faculty and PG students to publish papers in International / National journals
- Encouraging faculty and students to submit project proposals
- Industry R&D Linkages

6.3.5 Library, ICT and physical infrastructure / instrumentation

- Learning Resource Centre with 74,115 volumes of books and digital library with access to reputed online journals including IEEE, Springer.
- State-of-the-art computer centers housing 921 computers with 100 mbps Internet connection
- 24x7 Wi-Fi Facility
- The working hours of the Library / Laboratories / Computer labs are from 9.00 AM to 7.00 PM on all working days.

6.3.6 Human Resource Management

- The Institution recruits faculty every academic year
- Visiting faculty are appointed, if necessary
- Guest lectures are arranged by inviting experts from Industry, Research organizations and academic institutions
- Extending the services of retired faculty to get benefit of their expertise
- Encouraging the faculty to pursue PhD programme
- Organizing In-house Faculty Development Programmes
- Deputing Faculty members to External Training Programmes
- The Institution has an HR policy which governs the teaching and non-teaching staff members.

6.3.7 Faculty and Staff recruitment

- Public Advertisement through National dailies.
- Application scrutiny by the Principal and concerned Heads.
- Formation of expert committee with the composition of members as recommended by the AICTE & VTU.
- Expert committee interview for the candidates.
- Issue of appointment letter by the Secretary and Managing Director.

6.3.8 Industry Interaction / Collaboration

- The college has signed MoU with many industries
- Experts are invited to share their industrial experiences with the students
- Industrial visits are organized for the students to get practical exposure
- Students are encouraged to take-up internships in reputed industries
- Alumni placed in the reputed industries are invited for discussion with the students.

6.3.9 Admission of Students

The Institution adheres to the Admission norms of Government of Karnataka, AICTE and VTU. The admission is done as per Karnataka Government guidelines. The government quota students are admitted through CET and the management seats are filled based on the merit system and the entrance conducted by COMED-K.

6.4 Welfare schemes for Teaching, Non teaching and Students

- Co-operative Society
- Free education for one student per department through CIT-CAT
- Health centre with a dedicated Doctor
- Scholarship section to facilitate students to avail the scholarships from government and private organizations.
- TMCC cooperative bank to facilitate the staff and students
- ATM facility
- Book bank facility in Library
- Deputation of faculty for research and Ph.D.
- Contribution for employees provident fund
- Maternity leave given to the lady faculty
- Subsidized transport for faculties and staff
- Issue of Uniform scheme for Drivers, Attenders, Securities
- Salary advance amount facility for Non-Teaching staff
- Medical Accident Insurance covered for all students and staff ensured for Rs.3 lakhs
- 25% discount on OPD Services which includes Lab tests and diagnostics done at Adarsha Speciality Hospital and 10% discount on non-consumable in IP bill.
- Loan facility for the staff
- Vacation leave
- CIT Staff club
- ESI facility for Non-teaching

6.5 Total corpus fund generated

Nil

6.6 Whether annual financial audit has been done Yes No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	ISO 9001: 2015 Surveillance Audit by TUV India Private Limited	Yes	IQAC
Administrative	Yes		Yes	IQAC

6.8 Does the University/ Autonomous College declares results within 30 days?

Not Applicable

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

Not Applicable

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Not Applicable

6.11 Activities and support from the Alumni Association

CIT Alumni Association was founded in the year 2005 immediately after the first batch of students graduated from the university. The Institution has officially joined hands with the World Alumni Network (WAN) to provide a professional online networking platform to the vast alumni, students, and staff of CIT.

CIT Alumni Association Fund of Rs.75.55 lakhs is used to construct the Amphitheatre

The Alumni supports the Institution through knowledge transfer programs, Industry - Institute Interactions and Placement activities.

Feedbacks from Alumni are frequently received to enhance the teaching and learning environment.

The frequency of the Alumni meet is once in a year. During 2017-18, the Alumni meet

6.12 Activities and support from the Parent – Teacher Association

Parents' meeting are conducted regularly department-wise to discuss about the progression for their wards.

6.13 Development programmes for support staff

- One Training Program per year for the Non-Teaching staff
- Contribution for employees provident fund
- Maternity leave given to the lady staff
- Subsidized transport facility
- Issue of Uniform scheme for Drivers, Attenders, Securities
- Insurance facility
- 25% discount on OPD Services which includes Lab tests and diagnostics done at Adarsha Speciality Hospital and 10% discount on non-consumable in IP bill.
- Loan facility
- CIT Staff club
- ESI facility

6.14 Initiatives taken by the institution to make the campus eco-friendly

- Architectural design of our college is based upon maximum use of natural lighting and ventilation to save power for illuminating the bulbs.
- Fluorescent bulbs are replaced with CFL and LED bulbs
- The institution advocates the use of Solar Power in the hostels for heating and street lights purposes.
- A team of CIT faculty from EEE stream conducts energy audit regularly and thereby take measures for energy conservation.
- Lights and fans are switched off when not required. Air-conditioners are used only at essential places.
- Rain water harvesting
- E-Waste Management
- 40% of the total built-up area is covered with trees, bushes and lawns.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- The college has established ‘Centre for Creativity’ with an aim of nurturing students’ creative ideas through the CISEE (Centre for Innovative Science & Engineering Education) award with Grant of Rs. 30 Lakhs, by Vision Group on Science and Technology (VGST), Government of Karnataka.
- For better efficacy the institute is exploring and using ICT for its various practices. A new initiative ‘CSE for CIT’ was launched to increase the IT prevalence in the campus. Faculty members are encouraged to develop IT tools which finds application within the campus.
- The Institution implemented Moodle, as a Learning Management System that enables faculty to create their own site filled with dynamic courses that extend learning, anytime, anywhere. Moodle’s tool helps faculty to keep track of academic calendar, course deadlines, and other personal events.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

Plan of Action	Status
Recognition of the College under section 2(f) of UGC	Included in the list of colleges prepared under section 2(f) of the UGC Act 1956. Ref: F.No. 8-491/2017(CPP-I/C) dated 28.3.2018
Adding the course ‘Domestic data entry operator’ under AICTE-PMKVY	Received approval from AICTE and 25 students had enrolled for the course.
Establishing the Department of Mathematics as Research Centres under Visvesvaraya Technological University	The Department of Mathematics is recognized as Research Centres under Visvesvaraya Technological University. University Notification Ref. No. VTU/Aca-Res.-Cen./A4/2017-18/6954/180
Organizing the CSI Karnataka State Students Convention	Organized the 31 st CSI Karnataka State Students Convention - KNEW 2017 under the Theme: Digital Transformation: Challenges and Opportunities on 13/10/2017 & 14/10/2017

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

Best Practice: 1

1. Title of the Practice

CIT-CAT (CIT - Common Aptitude Test)

2. Goal

To encourage students from economically weaker section with good academic background to pursue engineering education

3. The Context

There are multiple instances wherein meritorious B.E aspirants are deprived of education due to their economic background. If such students are supported with free education, it can have great impact on quality technical manpower supply in the nation.

In order to encourage and extend the helping hand to the student community who are all from economically weaker section with good academic back ground, CIT conducts Common Admission Test (CIT-CAT) for nearby districts students. Those who excel in this selection process, CIT offers scholarship for pursuing Free Engineering Education for one student in each discipline.

4. The Practice

CIT offers Free Education through CIT-CAT since 2008.

Standard Selection Procedure followed in CIT-CAT

Level -1. *Written Test (online)*

An online based test will be arranged based on the PU syllabus.

Level -2. *Group Discussion*

Based on the performance in test and their CET Ranking, few students are shortlisted and are called for Group discussion.

Level -3. *Personal Interview with candidates*

Based on the performance Group discussion candidates will be further shortlisted and will be called for personal interview with a panel consisting of Director and the CIT-CAT organizing committee.

Level -4. *House visit and interaction with parents and neighbors.*

Based on the performance and interaction in the interview process candidates are further shortlisted and team of senior faculties visit each shortlisted to know their social and economic status.

Level -5. *Personal interview with The Director & Principal for final selection.*

Based on the house visit report submitted by the team, candidates will be called for final interview with The Director & Principal for final seat allotment.

5. Evidence of Success

- Students with diverse economic and social background in the campus.
- Improvement in the quality of student intake
- Beneficiaries of CIT-CAT who have completed the course are now doing well professionally.
- Offering more number of rural technical manpower to labour market.
- Contribution to Institutional Social Responsibility
- Empowering the rural Girl students

6. Problems Encountered and Resources Required

Identifying the most genuine candidates for free engineering education is highly challenging task. CIT has very robust selection process for the same. CIT has adequate resources for conduction of CIT-CAT.

Best Practice: 2

1. Title of the Practice

Faculty Development Programs

2. Goal

- To promote a culture at Channabasaveshwara Institute of Technology that promotes faculty enrichment and through which accomplish academic & research excellence.
- To provide leadership and support for innovation in teaching
- To sustain the growth of faculty across the career span and across disciplines

3. The Context

We believe that faculty are learners and as such, will continue to strive to improve their work. We believe that faculty members develop over a lifespan of their careers and that each career span requires a different faculty development approach. Improving also means that their classrooms will become more inclusive and learner-centered.

4. The Practice

Series of Faculty Development programmes are organized during every semester vacation.

5. Evidence of Success

- Enhanced domain knowledge / expertise of faculty
- Better contribution of faculty to teaching & learning process
- Increase in the teaching and research competencies of faculty
- Increase in the faculty job satisfaction
- Increase in the number of funded projects undertaken by faculty

6. Problems Encountered and Resources Required

Though FDPs are very critical to any institutes, organizing FDP poses certain challenges.

Given below are few challenges encountered by us

- Decision of organizing FDPs within the campus or outside the campus
- Undertaking comprehensive training need analysis of faculty and accordingly arrange FDPs
- Simulating the real time situation during FDP
- Catering to highly diverse interests of faculty

To ensure FDPs are more effective resources like exclusive state of the art training halls in every department, video/audio material to supplement lecture, more participation of industry personnel, prototypes/models for hands on experience etc. are required.

7.4 Contribution to environmental awareness / protection

NSS (National Service Scheme) unit of CIT has been conducting many students and public beneficial activities since 2004. Special camps are organized from NSS with an aim to sensitize students to various societal issues. In these camps activities like plantation of saplings, cleaning drainages, educating school children on computers and English language etc are carried out. Along with this medical & blood donation camps are organized on a regular basis.

Following programmes were organized by the NSS (National Service Scheme) unit of CIT during 2017-18.

- Campus Cleaning
- Save Lives: Slow Down
- Awareness of cleanliness
- Drug Abuse awareness.
- Blood Donation Camp
- National Youth Day
- World Forest day

7.5 Whether environmental audit was conducted? Yes No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

SWOC analysis:

1. Strengths

- Strong commitment from the Promoters to develop the Institution.
- Competent and Effective leadership
- State of art facilities and infrastructure
- Dedicated and committed faculty team
- Teaching-Learning process that complies with the requirements of ISO standard
- Grants to the tune of Rs.16 Million from Government of Karnataka
- IPR and Patent culture among the faculty
- University Gold medals and ranks
- Industry-Institution interaction
- Research centres in five disciplines
- Awards and recognitions for the Institution and the faculty

2. Weaknesses

- Input quality of the students admitted under management quota.
- Admissions in M.Tech Programmes
- Poor Communication skill of students because of their socio-economic
- Lack of faculty exchange or student exchange programmes
- Placement

3. Opportunities

- Vibrant Alumni association
- NAAC and NBA Accreditation
- Permanent Affiliation
- Autonomous Status
- Strong Industry linkages
- Consultancy work

- Residential facilities for staff
- Preparing UG students for GATE, GRE, TOEFL and Government/ Public sector competitive examinations
- Conducting International Conferences

4. Challenges

- Geographical location of the college which is located in Grama Panchayat limits.
- Difficulty in attracting Faculty with PhD qualification due to the geographical location
- Establishing Entrepreneur Development Programme
- Improving the placement opportunities

8. Plans of institution for next year

- Preparing for NBA Accreditation
- Organizing National and International Conference / Workshops / Faculty Development Programs
- Establishing the Department of Chemistry as Research Centre under Visvesvaraya Technological University
- Establishing a few Centre of Excellence

Name: Mr. Pradeep V

Name: Dr. Suresh D S

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC