Annual Quality Assurance Report
(AQAR) 2017 - 2018

Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, Bangalore - 560 072 India

Annual Quality Assurance Report (AQAR) 2017-18

Part – A

1. Details of the Institution

1.1 Name of the Institution

> Sri Krishna College of Technology

1.2 Address Line 1

> Kovaipudur

Address Line 2

>

City/Town

> Coimbatore

State

> Tamil Nadu

Pin Code

> 641042

Institution e-mail address

> info@skct.edu.in

Contact Nos.

> 0422-2984567 to 68

Name of the Head of the Institution:

> Dr.M.Lakshmi

Tel. No. with STD Code:

> 0422-2984567 to 68

Mobile:

> 9176632536

Name of the IQAC Co-ordinator:

> Dr.A.Balamurugan

Mobile:

> 9443621770

IQAC e-mail address:

iqac@skct.edu.in

1.3 NAAC Track ID

TNCOGN17248

1.4 NAAC Executive Committee No. & Date:

EC(SC)/05/A&A/071& March 03, 2015

1.5 Website address:

www.skct.edu.in

Web-link of the AQAR:

http://skct.edu.in/aqar2017-18.pdf

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	A	3.22	2015	5 Years

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

01/04/2015

1.8 AQAR for the year

2017 - 2018

1.9 Details of the previous year's AQAR submitted to NAACafterthe latest Assessment and Accreditation by NAAC -

2016 to 2017 AQAR Submitted to NAAC and Web-link of the AQAR –
http://skct.edu.in/aqar2016-17.pdf

2015 to 2016 AQAR Submitted to NAAC and Web-link of the AQAR –
http://skct.edu.in/aqar2015-16.pdf

1.10 Institutional Status

University ☐ State ☐ Central ☐ Deemed Private ☐

Affiliated College   Yes **√**   No ☐

ConstituentCollege   Yes ☐   No ☐

Autonomous college of UGC   Yes **√**   No ☐

Regulatory Agency approved Institution   Yes **√**   No ☐

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 (PhysEdu) ☐

TEI (Edu) ☐ Engineering **√** Health Science ☐   Management **√**

Others (Specify) ☐

1.12 Name of the Affiliating University *(for the Colleges)* | AnnaUniversity, Chennai |

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

Autonomy by State/Central Govt. / University | University |

University with Potential for Excellence | NO | UGC-CPE | NO |

DST Star Scheme	NO	UGC-CE	NO
UGC-Special Assistance Programme	NO	DST-FIST	NO
UGC-Innovative PG programmes	NO	Any other (*Specify*)	NO
UGC-COP Programmes	NO		

2. IQAC Composition and Activities

2.1 No. of Teachers   9

2.2 No. of Administrative/Technical staff   2

2.3 No. of students   2

2.4 No. of Management representatives   1

2.5 No. of Alumni   2

2. 6 No. of any other stakeholder and

community representatives   1

2.7 No. of Employers/ Industrialists   1

2.8 No. of other External Experts

2.9 Total No. of members   16

2.10 No. of IQAC meetings held   2

2.11 No. of meetings with various stakeholders: Students   1   Faculty   1

Non-Teaching Staff Students   1   Alumni   1   Others

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

If yes, mention the amount   NA

2.13 Seminars and Conferences (only quality related)

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

Total Nos. | 2 | International | | National | | State | | Institution Level | √

(ii) Themes | Outcome Based Education

2.14 Significant Activities and contributions made by IQAC

Plans are based on continued enhancement and excellence with respect to the following:
- To offer good network connectivity within the campus, 1GB Bandwith - 4G LTE Coverage - JIO tower is installed in our campus.
- After the periodical results are announced, the academic performance of the students is analysed and weaker students are identified and coaching classes are conducted for them. Academic Review Meeting (ARM) with their parents is also arranged after the results of the internal exams are published, where the HoD and the respective Advisors interact with the parents. The parents can meet the concerned teachers who are taking courses in the current semester.
- To improve the Teaching Learning Process (TLP), flipped classroom, project based learning and experiential learning were introduced.
- Rubrics based assessment was carried out in practical classes for continuous assessment.
- People from industry were invited to review student projects.
- Industry based 1-credit courses were offered to students.
- Students have undergone implant training in diverse industries.
- Technical club activities are conducted every day after regular working hours to enhance students' knowledge.
- A Research Advisory Board was formed and Research Bulletins are published periodically to highlight the research activities carried out by the staff and students.
- NSS SKCT organised an 'Awareness Programme on AUTISM' by Mrs. Deepa Mohanraj, Managing Trustee, Kaumaram Prashanthi Trust, Coimbatore.
- TamizhMandram organised an 'Awareness Programme on Women's health' by Dr.Savitha, Obstetric and Gynaecologist, Rao Hospital, Coimbatore.

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
NPTEL Certification	In the Academic year, students and faculty have undergone different courses and cleared them successfully. **STUDENTS** • No. of Courses - 157 • No. of Students Completed – 1613 • Elite Certification – 253 • Topper Category - 09 **FACULTY** • No. of Courses – 63 • No. of Faculty Completed - 235 • Elite Certification – 96 • Topper Category - 10 Institution has been recognized as a NPTEL local chapter Rated with "AA" and ranked at 11th Position at National level during 2016-2017 Rated with "AA" and ranked at 17th Position at National level during 2017-2018
Student Enrichment Programmes	A total of 64 programmes were organized. • Technical Events • Guest Lectures • Student Development Programmes • Short Term Training Programmes • Career Guidance Programmes • Workshops • Seminars • Technical Symposiums • Communication Fest • Alumni Interaction • Webinars • National & International Conferences
Strengthening Research	A Research Advisory Board was formed and Research Bulletins are published periodically to highlight the research activities carried out by the staff and students including Patents, Journal and Conference publications.
Organization of club activities	Each Department Has Organised Several Activities Through Their Respective Clubs. At the Institution Level, Fine Arts Club, Emote Studio and Oratory Club organise various events periodically.

2.15 Whether the AQAR was placed in statutory body   Yes | **√** | No | |

Management | **√** | Syndicate | | Any other body | |

Provide the details of the action taken

The IQAC was established immediately after securing accreditation from NAAC. Periodic meeting are conducted with the stakeholders to formulate guideline and evaluate the outcomes.

The plans and action taken reports of IQAC was discussed during the governing body meeting (the highest decision making body in the institution). The suggestions provided by the governing body is also implemented by the IQAC.

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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	Number of value added / Career Oriented programmes
PhD	4		4	
PG	7		7	
UG	7		7	
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	18		18	

Interdisciplinary				
Innovative				

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

Pattern	Number of programmes
Semester	13
Trimester	01
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.

- Theory courses with lab component.
- Continuous internal Assessment.
- Flexibility to add/drop courses.
- Scope for additional credits through Industry offered courses, Certification courses and MOOC.
- Industry offered one credit courses.
- Minor within Major with Program specific Multiple stream specialization (Objective: To improve core employment skills).
- Professional Electives and Open Electives for both vertical and horizontal engineering skills enhancement.
- Mandatory courses (Communication Skills, Life Skills, Languages & Certification Courses).
- Mandatory Industrial Practices.
- Internship programmes.
- Mini Projects (IV and VI semester) and Major Project during VIII semester.

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

Nil

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
317	267	31	19	-

2.2 No. of permanent faculty with Ph.D.

30

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
61	-	4		2		-	-	67	

2.4 No. of Guest and Visiting faculty and Temporary faculty

| 0 | 0 | 0 |

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	13	440	144
Presented papers	207	18	0
Resource Persons	5	54	75

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

- Using Interactive Smart Board

    Smart board is a white board with touch sensitive features. This interactive board uses touch detection as user input. This board requires "Active Inspire" software to be installed on the laptops. Thus the activities that a teacher does on a black board are done here alongside the latest technologies. The course material (excluding reference books) is to be prepared and shared among students based on the inputs that can be given to the smart boards by Google applications like Power point presentations, Audio, Videos, Animated PPT and Images.

- Google Class Room Activity

    Google classrooms are identified with a code. The unique code helps students to join the Class and access materials and videos for application oriented learning. Assignment creation and distribution is accomplished by Google Drive. Google Class Rooms supports different grading

schemes. The materials in Google classrooms help students to attain more ideas and ease of access anywhere at any time.

- Snap talk

  Each and every hour students should give 5-10 minutes talk about any technology during the middle of the hour. It is used for improving the communication skill as well as presentation skill level of students.

- Mini Projects

  Students are instructed to do Mini projects and SRP (Social Relevant Projects) projects to improve the practical knowledge.

- Online Courses

  Students are compulsorily instructed to register the online courses like NPTEL, Coursera, edx and Swayam.

- Spoken Tutorial

  Students are encouraged to write the spoken tutorial exams C and CPP, Java and GIMP, etc.

- SIG (Students Interest Group) Activity

  Students are encouraged to do the SIG activities in the following areas IOT, Big Data, Java, Python, Mobile Application Development, Micro Electronics, VLSI, Embedded System, Sensors and Networks, Communication systems, Structural and Environmental based on their own interest.

- Role Plays

  An effective tool to make students participate with vigour and it improves the communication skills and technical skills of the students

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

| 180 days |

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- Online Multiple Choice Questions
  Online Multiple Choice Questions are conducted for all the subjects. It Carries 10 marks for each subjects. Students can gain more subject knowledge.

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 BoS/Faculty/Curriculum Development Workshop [Curriculum restructuring]	Member of BoS/Faculty/ Curriculum Development Workshop [Revision]	Member of BoS/Faculty/Curriculum Development Workshop [Syllabus Development]
118	35	218

2.10 Average percentage of attendance of students

88 %

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction	I Class	II Class	III Class	Pass %
BE - CIVIL	62	18	41	9	-	93
BE - MECH	216	52	146	-	-	91
BE - ECE	174	77	86	-	-	94
BE - EEE	184	54	115	-	-	93
BE - CSE	175	52	107	16	-	93
BE - IT	90	37	51	1	-	99
BE - ICE	59	13	32	14	-	94
MBA	96	19	73	4	-	99
ME – STRUCTURAL ENGINEERING	15	11	4	-	-	100

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

IQAC ensures an environment of excellence in all aspects of teaching and learning and also focused on to improve the quality of education and evaluation. Assessment and evaluation are done in several stages.

- All the teaching staff members submitted semester plan for conduct of theory and practical classes to their respective head of departments.

- Periodic review meetings are conducted by the Principal during which reports are collected from the teaching staff where in teachers give information regarding coverage of syllabus during that particular month.
- In case where syllabus was not covered as per schedule, the teachers are accordingly advised.
- An academic committee in constituted in the institution comprising of senior faculty and Course delivery and course material of every faculty is constantly monitored by the Committee.
- At the end of the semester, internal audit is conducted to ensure the prompt coverage of syllabus, conduct of classes, sharing of resources among students, effective evaluation and assessment methods for all the courses.
- Class committee and student council meetings are regularly conducted and an effective student feedback system is in place. From student feedback both academic as well as support services are critically analyzed and necessary corrective measures are advised.
- Remedial classes for slow learners to improve the academic percentage.
- Placement and Soft Skill Training programme for the final year students.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of Faculty benefitted
Refresher courses	38
UGC – Faculty Improvement Programme	35
HRD programmes	05
Orientation programmes	62
Faculty exchange programme	0
Staff training conducted by the university	16
Staff training conducted by other institutions	440
Summer / Winter schools, Workshops, etc.	440
Others	134

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	74	-	-	-
Technical Staff	37	-	-	-

Criterion – III

3. Research, Consultancy and Extension

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

> With the approval of management, IQAC encourages faculty members to do Ph.D. under Part-Time category.
>
> Sufficient number of on duties is provided for the faculty doing Ph.D to develop their skills in their specific domain to attend workshops, seminars and conferences and to have outside world interaction.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number		3	3	22
Outlay in Rs. Lakhs		22.71	0.3	442.7

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	1		11
Outlay in Rs. Lakhs	2.5	2.15		5.36

3.4 Details on research publications

	International	National	Others
Peer Review Journals	224	3	-
Non-Peer Review Journals	2		-
e-Journals			-
Conference proceedings	106	26	-

3.5 Details on Impact factor of publications:

Range $\boxed{0.11 – 2.47}$ Average $\boxed{1.60833}$ h-index $\boxed{11.31}$ Nos. in SCOPUS $\boxed{154}$

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	Received
Major projects	2017-20	SERB	20,71,000	14,79,000
	2018-20	DST	14,50,000	-
Minor Projects	2017-18	UGC	2,30,000	2,15,000
Interdisciplinary Projects	2017-18	Amara Raja Batteries, Tirupathi	1,00,000	30,000
	2017-18	Management	50,000	50,000
Industry sponsored	2017-18	Cognizant	5,00,000	5,00,000
		Workfoster Limited, Chennai	1,00,000	1,00,000

Projects sponsored by the University/ College				
Students research projects *(other than compulsory by the University)*	2017	TNSCST	20,000	20,000
	2018	TNSCST	10,000	10,000
	2018	Management	50,000	25,000
	2017	IITM	2,36,167	2,36,167
	2017	TNSCST	10,000	10,000
Any other(Specify)	2017	ICMR	40,000	40,000
		ICMR	40,000	40,000
		ICMR	1,10,000	1,10,000
	2018	ICMR	30,000	30,000
	2018	AICTE-ISTE	3,00,000	2,70,000
Workshop	2017	Management	15,000	15,000
Total			**52,62,167**	**36,80,167**

3.7 No. of books published   i) With ISBN No. [12]   Chapters in Edited Books [4]

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   [Rs. 97,51,179/-]

3.11 No. of conferences   organized by the Institution

Level	International	National	State	University	College
Number	2	1	-	-	-
Sponsoring agencies	IEEE, AICTE	ICMR	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons   [26]

3.13 No. of collaborations   International [15]   National [23]   Any other [ ]

3.14 No. of linkages created during this year   [58]

3.15 Total budget for research for current year in lakhs :

From Funding agency | 3.5 lakhs | From Management of University/College | 1.5 lakhs |

Total | 5 lakhs |

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	38
	Granted	-
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
17	-	6	8	-		3

3.18 No. of faculty from the Institution
who are Ph. D. Guides | 13 |
and students registered under them | 60 |

3.19 No. of Ph.D. awarded by faculty from the Institution | 12 |

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

JRF | - | SRF | - | Project Fellows | 1 | Any other | - |

3.21 No. of students Participated in NSS events:

University level | 100 | State level | 30 |

National level | 111 | 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   `4`   College forum   `9`

NCC   `-`   NSS   `10`   Any other   `-`

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

- SKCT Expo '17.
- Avantaa '18.
- Women's Day celebration at an orphanage in Nggo colony.
- Sponsored a meal for the orphanage at Ondipudur.
- 10000 Trees planted in the campus towards Green India.
- Career guidance program by Gate forum to facilitate the students for higher education.
- A social awareness program by Retd.ACP Mr.R.Chakravarthy.
- A counselling program "Know Your Mind" by Psychiatrist Dr.B.Imithiyaz.
- "Healthy Body Postures" seminar by Dr.R.Bhuvanesh Kumar for the well being of the students.
- A debate on disadvantages of mobile and a talk on cyber crime awareness by Mr.S.N.Ravichandran, Cyber crime officer.
- A motivational talk by Mr. Marabin Mainthan Muthaiah to inculcate social responsibilities in the fresh engineering admittance.
- Celebrated Womens Day "Penne Unakkaga" in coloboration with News 7 Channel presided by Dr.Tamizhisai Soundarrajan .
- Swachh Internship 2018, Boluvampaatti Village Panchayat, ODF survey.

- Contributed food and equipments to Anbu Illam, an oldage home in Perur on 25.01.2018.
- Contributed food and stationeries to orphanage home at Ondipudur On 12.01.2018.
- A motivational talk by Mr. Marabin Mainthan Muthaiah to inculcate social responsibilities in the fresh engineering admittance.

- Tree plantation program.
- Eye checkup camp.
- New India Pledge -Sankalp Se Siddhi - New India Movement.
- Blood donation camp.
- Good touch and bad touch awareness.

Criterion – IV
4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	57.2 acres	-	-	57.2 acres
Class rooms	55	-	Management	55
Laboratories	53	2	Management	55
Seminar Halls	4	-	-	-
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	3	6	Management	9
Value of the equipment purchased during the year (Rs. in Lakhs)	30.85	-	Management	30.85

4.2 Computerization of administration and library

Using MIS tool, faculties can

- Update the hourly-base attendance.
- Create course plan.
- Post assignment questions.
- Get the attainment level of each course outcome in internal exams.
- Get the monthly attendance report.
- Submit leave application.
- Create online quiz .
- Update publication details.

Students can view their internal marks, attendance percentage and submit their gate pass, leave letters and on-duty forms

- Additionally 3 nos. of IBM PIV with 1 GB RAM.
- Computers Provided at CoE Office.
- Provided online Hall Ticket generation.
- LED display through Network.
- Provided NPTEL Material through Network.
- Enhanced Teaching through Smart Board.
- All the circulars for students are sent through group mail.
- The students can submit the assignment and other particulars through the Googleapps and the Google classroom.
- Telegram Whatsapp group is created department wise to disseminate / shareinformation.
- Google forms are used for collecting feedback from the students.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	67089	1,83,04,470	1853	8,19,489	68942	1,91,23,959
Reference Books	4068	15,32,587	147	1,01,035	4215	16,33,622
e-Books	10687	12,320	50287	15360	60974	27,680
Journals	158	408377	1	428945	159	8,37322
e-Journals	5270	13,54,570	9714	12,28,193	14984	25,82,763
Digital Database	7	-	6	-	13	-
CD & Video	8011	-	220	-	8231	-
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	1263	15	60	1	15	13	34	34
Added	72	1	80	-	1	-	-	
Total	1335	16	140	1	16	13	34	34

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

> Google Apps with Google Class room (skct.edu.in) training for Faculty members
>
> • Provided Additionally 10 Mbps Leased Line.
>
> • Provided Wi-Fi (through OFC) at Boys Hostel and Vankatram Hall and
>
> Classrooms.
>
> • Provided Network Connections at all Classrooms.
>
> • Provided Smart Board with LCD Projector at all Classrooms (Smart Classroom).
>
> • Providing Value Added Courses on CADD.
>
> • In all, the college has 15 computer labs with 1279 systems with 1 Gbps Backbone
>
> Network to meets the needs of the students
>
> • NPTEL

4.6 Amount spent on maintenance in lakhs :

   i) ICT   27.18

   ii) Campus Infrastructure and facilities   1791.06

   iii) Equipments   40.35

   iv) Others   54.57

Total :   1913.16

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

IQAC helps in various aspects in enhancing awareness about student support services and the aspects are as follows:

- Head of the Institution addresses the students about all the student support and feedback mechanism on the first day of every semester.
- Before entering into second year, each student is provided with a road map which creates an awareness among all the students about the available support services.
- College website provides the necessary details for the students about the student support services.

5.2 Efforts made by the institution for tracking the progression

Institution prefers to implement the quality policies in order to track the student progression. The strategies employed are as follows:

- Class committee Meetings conducted thrice per semester. Students express their academic grievances.
- Academic Mentoring Outside class is given to the students by Faculty Advisors.
- Effective teaching learning evaluation through subject experts for every fifteen days.
- Academic audit for every semester.
- Student Council Meeting headed by Principal. This meeting provides a forum for the students to express their grievances in all aspects.
- Online feedback will be conducted from the students at the end of the semester.
- All the class materials will be uploaded in the Google classroom and the progress is monitored monthly twice.
- Industry Institute Internship for students.
- Faculty are trained by Industrialist to bridge the gap between industry and academics
- Syllabus is framed for the students readiness for Industry based on Industry feedbacks

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
3847	277		

(b) No. of students outside the state

58

(c) No. of international students

0

Men

No	%
2871	69.6

Women

No	%
1253	30.4

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
3243	426	11	213	1	3894	3454	413	5	252	0	4124

Demand ratio   Dropout 0.16%

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

Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam
Career Guidance	45	45	9
Competitive examinations	30	30	1
Career counselling	150	150	-
Competitive Exams	120	120	4
Power seminar – career guidance by Princeton Review Academy	112	112	Yet to write
Group I Examination guidance	35	15	Yet to write
Higher Studies	36	5	Yet to write

No. of students beneficiaries

528

5.5 No. of students qualified in these examinations

NET 2   SET/SLET 0   GATE 5   CAT 1

IAS/IPS etc 0   State PSC 0   UPSC 0   Others 6

5.6 Details of student counselling and career guidance

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Soft skill development	06.06.17 to 14.06.17	720	FACE Training
Placement Technical training	15.06.17 to 30.06.17	720	Teknoturf solutions Pvt ltd
Yoga / Meditation	20.06.2018	824	Ms.Chandra Yoga Certified Trainer
Soft skill Development [Unleashing the Leadership Potential]	22.07.2017	120	Mr. Shiva Prakash , CEO Diraa HR Services
Soft skill development	During Saturday	48	In house training by College Faculty

No. of students benefitted   1712

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
103	820	691	143

5.8 Details of gender sensitization programmes

- Women's day was celebrated in the institution in order to honour women on 27TH February 2018 by hosting a programme" Pennae Unakkaga " in association with News7 TV Channel

5.9 Students Activities

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

State/ University level | 290 | National level | 0 | International level | 0 |

No. of students participated in cultural events

State/ University level | 54 | National level | 0 | International level | 0 |

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

Sports : State/ University level | 46 | National level | 0 | International level | 0 |

Cultural: State/ University level | 0 | National level | 0 | International level | 0 |

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	54	44,40,200
Financial support from government	1249	1,60,76,530
Financial support from other sources	13	1,42,300
Number of students who received International/ National recognitions	9	2,00,000

5.11   Student organised / initiatives

Fairs   : State/ University level | - | National level | - | International level | - |

Exhibition: State/ University level | 1 | National level | - | International level | - |

5.12   No. of social initiatives undertaken by the students | 28 |

5.13 Major grievances of students (if any) redressed:

- Internet connectivity in electrical Science block and PG Block
- Require Drinking water supply in all floors

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Our Vision

To attain National and International recognition for the experience based degree programs, offered at our college, by producing graduates who possess sound technical knowledge and appropriate soft skills and who can compete successfully in the global business world and contribute to the Nation's prosperity.

Our Mission

1. To be recognized as Centre of excellence in science, engineering and technology through effective teaching and learning processes by providing a conductive learning environment.
2. To foster research and development with creative and entrepreneurial skills by means of innovative applications of technology.
3. Accomplish expectations of the society and industry by nurturing the students to be competent professionals with integrity societal needs.

6.2 Does the Institution has a management Information System

Yes, the institution has an all-inclusive, in-house, compact and erudite software system that aims at institution-student coordination at all levels, covering administrative and academic aspects of the institution. The system is a state of the art web technology that facilitates on-line feedbacks, attendance management, internal assessment management and report generation helping parents, students, faculty and administrative heads to trail the day to day activity of the institution.
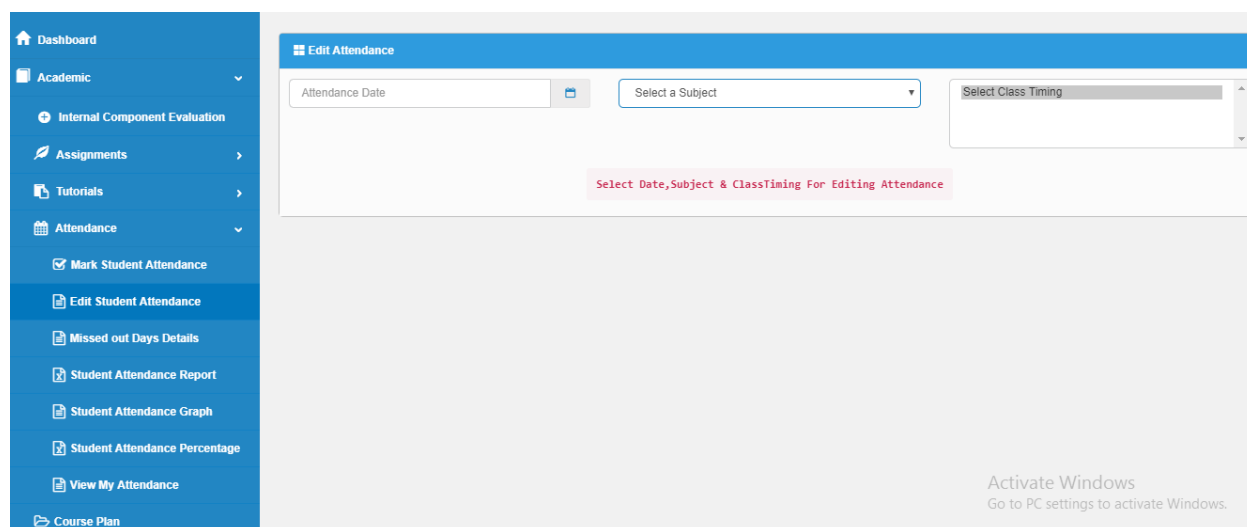
Fig 6.1 A snap shot of the Management Information System followed by the institution.

Apart from this, the institute's website www.skct.edu.in has the following key features:

- The website includes curriculum and syllabi of all the programs offered, faculty profiles, information on lab facilities and hostel facilities available.
- The website holds details of day to day co-curricular and extra-curricular activities.
- The website facilitates issue of hall tickets, includes student's continuous assessment marks and grades, and displays results and attendance with appropriate access levels to students, faculty, administrative heads and parents.
- The website hosts tools for teaching learning process like question banks, teaching materials and resources, conducts online objective tests and generates performance reports.

INFORMATION MANAGEMENT SYSTEM OF SKCT

ADMINISTRATION	EXAMINATION
• Admission criteria • Online applications for faculty recruitment • Hostel facility details • Vision and mission of the institution/department • Faculty profile • Online feedback	• Issue of hall tickets • Display of results • Display of examination related information including time table
ACADEMICS	TEACHING - LEARNING TOOLS
• Attendance mgmt. • Continuous assessment marks management • Displays day to day co-curricular and extra curricular activities • Display of curriculum and syllabi for all programs	• Online objective tests • Performance report generation • Question banks • Study materials and resources

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

6.3.1 Curriculum Development

Choice Based credit system has been introduced which gives students a flexible academic environment to choose subjects in their area of specialization with more interdisciplinary soft core. The institution follows Outcome Based Education instruction model where every activity of the students are measured through outcomes. The development process of curriculum is briefly explained below:

A curriculum development cell comprising the Head of the department, two to three senior faculty, an alumnus and an industry expert is constituted in each department. The team with the inputs from the stake

holders, makes systematic decisions on the intended outcomes, contents, methods and evaluation strategies of the curriculum while ensuring that the curriculum and the syllabi meet the AICTE and NBA norms, industrial expectations and are in alignment with the Anna university curriculum. Recent texts and reference books are also used to frame the contents of the syllabi.

With the inputs from the curriculum development team, brain storming sessions are conducted with all the department faculty to draft a rough curriculum. The draft is developed, evaluated and tested against the curriculum of leading universities of international standards and fine-tuned.

The curriculum is presented before the Board of Studies, comprising
1. Professors and Head of the respective Departments
2. Internal Faculty Members
3. Two Experts from other leading institutions.
4. One representative from industry / corporate sector / allied area.
5. One post-graduate meritorious alumnus, nominated by the principal.
After the BOS meeting, the curriculum is finalised and presented to the standing committee of the academic council. Further fine tuning of syllabus if necessary, is made by the standing committee, constituted of,
1. The Principal
2. Eminent Academicians
3. Eminent Public Personalities
4. Heads of the Departments
5. Senior faculty representatives
6. Meritorious Alumni

As the final step, in the curriculum development process, governing body meeting is held, where the syllabus is approved. Governing Body is constituted of,
1. Chairman
2. Members from the trust
3. AICTE Nominee
4. An Industrialist / Technologist / Educationalist / from the Region nominated by the Regional Committee
5. University Nominee
6. State Government Nominee – Director of Technical Education (Ex-Officio)
7. An Industrialist / Technologist / Educationalist / from the Region nominated by the State Govt., Member Secretary / Principal / Director of the concerned Institution
8. Faculty member 1 from the Institution at Professor Level
9. Faculty member 2 from the Institution at Assistant Professor Level.
The Governing body is the final authority to approve syllabus. The approved syllabus is published in the website.

CURRICULUM DEVELOPMENT

Suggestions from external experts

BOS Meeting

Incorporating the suggestions

Standing committee meeting

ACM meeting

Implementation

Feedback from stake holders

Demand for Curriculum Revision

Conceptual design

Review with department faculty members

6.3.2 Teaching and Learning

The institution follows student centric teaching-learning methodologies to achieve the intended learning outcomes. Some of the practices followed to achieve quality teaching learning experience are listed below.

- All the class rooms in the campus are smart with active boards to give a hundred percent multimedia experience to the students. Explaining technical concepts with multimedia tools is a normal class room activity.
- A complete course plan of every course is mailed to the students well in advance which carries the course pre-requisites, course learning objectives, nature of the course, expected outcome of the course, course inputs, Text books and reference books, Google class room codes for each course, Assessing levels of Bloom's taxonomy, weightage of Bloom's taxonomy levels and internal course evaluation components based on capstone model.

- Google applications like goggle classrooms, Google forms etc. are widely used to give an edge to the teaching learning experiences.
- Students follow smart books which are e- compilation of standard books for each course.
- Class committee meetings are conducted thrice a semester to record the academic grievances of the students and corrective actions are taken immediately.
- Quality circle meetings are conducted periodically and student's grievances on the infrastructural resources and placement facilities are recorded, fish bone analysis is made and corrective measures are taken before the conduct of the next meet.
- Online feedback mechanism enables obtaining student feedbacks on the faculty for each course which is carried out twice in a semester-mid semester and end semester.
- Mini-projects are made mandatory from second year in all the programs as per CBCS curriculum.
- Students are encouraged to participate in extracurricular and co-curricular activities both inside and outside the campus.
- Faculty are encouraged to undertake industrial training, attend faculty development programs, seminars and workshops and are supported and sponsored by the management.
- Slow learners in each class are identified, coaching class time table for each class is drafted and coaching classes are conducted to achieve zero arrear in end semester examinations.
- Faculty and students are encouraged to take on-line courses in e-learning modules like NPTEL, course era etc.
- Some departments have Class rooms split into Kaizen groups which are indulged in group activities as a part of skill development sessions.
- One-credit course are conducted for the benefit of students in accordance with the curriculum recommendation.
- Every class ends with a snap talk session by a student where every student in a class is given a chance to give a talk on random topics to the class room audience to enhance their presentation and public speaking skills.
- Technical write up is included as one of the internal evaluation components of every subject where the student's technical as well as English writing skills are tested.

Highlights of teaching-learning enhancement activities during 2017-2018 are,

S.NO	Title of the professional development programme	Title of the professional development programme
1.	ICMR sponsored workshop on " Early detection of tumours in mammography using wavelet techniques"	21.07.2017 to 22.07.2017
2.	ICMR sponsored workshop on " Effective early detection of tiny ovarian tumours using synthetic Biomarkers- a cancer Nano medicine"	28.12.2017 to 29.12.2017
3.	Seminar on Global perspective	05.08.2017
4.	Seminar on Present scenario in TN electricity grid	08.08.2017
5.	Seminar on Big data in Electrical Engineering	24.01.2018
6.	Seminar on Modelling and design of solar PV panel	08.03.2018 to 09.03.2018
7.	STTP on Virtual Instrumentation using Lab VIEW	15.07.2017
8.	STTP on Linear and Digital Integrated Circuits	04.07.2017

9.	Seminar on Cognizant Communication Enhancement Training, SKCT	1.7.2017 to 8.7.2017
10.	Seminar on How to write Research Paper by Nanyong University, SKCT	23.3.2018
11.	Seminar on Patent Drafting, SKCT	1.11.2017
12.	FDP on mobile App Development	25.5.2017 to 26.5.2017
13.	FDP on Data Structures and Applications	28.06.2017 to 29.06.2017
14.	FDP on "Machine Learning",	7.12.2017 to 8.12.2017
15.	FDP on Introduction To Big Data Analytics,	2.08.2017 to 3.08.2017
16.	FDP on "Data Science & Big Data Analytics	18.12.2017 to 22.12.2017
17.	Workshop on "Virtual Reality and Neuroscience in hospital for Brain Recovery",	9.11.2017 to 10.11.2017
18.	FDP on "Micro Processors and Micro Controllers	23.5.2017 to 24.5.2017
19.	FDP on OBE	6.1.2018
20.	In-House Orientation Program	26.6.2017 to 27.6.2017
21.	Advance IoT applications	10.5.2018 to 11.5.2018
22.	One day workshop on intellectual property rights and innovations	19.9.2017
23.	One Week Certificate Course On "UAV Remote Sensing & Application	03.07.2017 to 07.07.2017
24.	Popularisation of Remote Sensing based Maps and Geospatial Information	11.08.2017
25.	FDP on "Optical Measurements and Its Applications	27.10.2017
26.	ICMR Sponsored Seminar On "Early Brain Stroke Detection Using Medical Image Analysis "	5.10.17
27.	ICMR Sponsored workshop on "Effective Early Detection of Tiny Ovarian Tumours using Synthetic Biomarkers – A Cancer Nanomedicine".	28.12.17 to 29.12.17
28.	.Workshop on "Research Methodology" Held on International Conference on Engineering and Advancement in Technology	23.03.18
29.	FDP On "Intelligent Control"	21.6.2017 to 23.6.2017
30.	IIRS Outreach Programme on -IIRS Outreach Programme on "UAV Remote Sensing & application "conducted by Indian Institute of Remote Sensing, /Indian Space Research Organisation (ISRO) in Collaboration with Punjab Remote Sensing Centre, Ludhiana	3.7.2017 to 7.7.2017
31.	FDP on "Optical Measurements and Its Applications" in association with M/s Benchmark Electronics, Chennai	27.10.2017
32.	Hands-On Session On "Antenna Design & Communication Tools"	15.07.2017
33.	Workshop on Zoho Creator Application	27.06.2017 to 01.07.2017
34.	15 Days Certification Program On "Remote Sensing And Digital Image Analysis"-	22.8.17 to 15.9.17

35.	IEEE Seminar on Printed Antennas and its application.	20.11.2017 to 24.11.2017
36.	One day workshop on, "Intellectual Property Rights and Innovations"	19.09.17
37.	Workshop on Outcome Based Education and Accreditation	26.11.2017
38.	Workshop on Block chain Technologies	16.03.2018 to 17.03.2018
39.	FDP on Net Technologies	19.08.2017
40.	Workshop on Intellectual Property Rights & Innovations	19.09.2017
41.	Workshop on IPR Patent Search, Drafting And Filing	10.10.2017
42.	FDP on Machine Learning	07.12.2017 to 08.12.2017
43.	Workshop on Writing Research Paper in Latex	09.10.2017
44.	FDP on Data Structures & Applications	27.06.2017 to 28.06.2017
45.	FDP on Machine Learning	07.12.2017 to 08.12.2017
46.	Workshop IPR Patent Search, Drafting And Filing	10.10.2017
47.	Workshop on Statistical Techniques in Data Analytics	17.08.2017 to 19.08.2017
48.	AICTE/ISTE sponsored six days Induction/Refresher programme on "Machine learning Techniques for Next Generation Smart Systems	18.6.2018 to 23.6.2018
49.	FDP on Intelligent Control	21.06.17 to 23.06.17
50.	Workshop on community and team development	15.7.17
51.	FDP on Applications of computational fluid dynamics in process industries	27.11.17 to 09.12.17
52.	STTP on " Medical Electronics"	22.02.2018 to 26.02.2018
53.	National Workshop on Popularisation of Remote Sensing based Maps and Geospatial Information	12.08.17
54.	IIRS Outreach 5-Days Program on UAV Remote sensing and its applications	3.7.2017 to 7.7.2017
55.	Communication enhancement training given by CTS	1.07.17 to 8.07.17
56.	Workshop on 'Intellectual Property Rights	10.10.17
57.	Hands on training on Backyard Composting & Smart gardening	13.12.17
58.	AICTE One day Workshop on e-governance	18.11.17
59.	Workshop on "Intellectual property Rights and Innovation"	19.09.17
60.	Two days Workshop on 'Total Station"	25.07.17 to 6.07.17
61.	Office Automation Software meeting	30.08.17
62.	Higher studies awareness program for support faculty,	11.7.2017
63.	Seminar on Spoken tutorial guidelines	25.4.2017
64.	Yoga club activity for supporting faculty	20.6.2018

6.3.3 Examination and Evaluation

Continuous Assessment Tests and Evaluation

- Every department has an internal test co-ordinator with 2-3 faculty under him who carry out smooth conduct of continuous assessment tests, ensuring discipline during test conduction.
- Every question in the question paper is checked against RBT and the supposed Course Outcome as a step towards Outcome Based Education
- Choice less question paper is set.
- Centralised evaluation of answer sheets is done within the department.
- GATE and IIT question papers are referred to set the Continuous assessment question papers.
- Three continuous assessment tests are conducted per semester for which, a set of three question papers for every subject is set by external question paper setters. The externally set question papers are scrutinized by the internal test coordinator and his team who maintains confidentiality.
- Fair evaluation of answer scripts with in three working days is followed by uploading of the internal marks in the website which is given appropriate access to the students, parents and other stake holders.
- Student's report cards are send to the parents through postal services after every continuous assessment test.
- Impact analysis is done to verify if every course outcome has been met by the students. If any of the course outcomes are not met, quizzes and assignments that cover the course outcome that was not met will be given to students. Coaching classes will also be conducted and retests are given till the course outcomes are met.
- Other components of internal evaluation like technical write up, technical presentation, assignment submissions and quiz are also conducted systematically as per the schedule in the course plan.
- Technical quiz sessions are conducted online through Google forms and on-line assignment submission is facilitated through Google classrooms.

End Semester Examination and Evaluation

All the end semester examinations are conducted under the supervision of the Controller of Examination of the institution and centralized paper evaluation is carried on.

- Hall tickets to the candidates are issued online upon their registration.
- A set of three externally set question papers are scrutinized by a team of senior faculty and respective department HODs, headed by the Controller of Examination.
- Central evaluation of answer scripts.
- Results are published in the website before 30 days of the last end semester examination after the results are approved by the result passing board.
- The students are asked to apply for transparency before applying for revaluation within a week of publication of results.
- Transparency is conducted before students and the respective subject faculty.
- Supplementary/arrear examinations are conducted for students with arrears and arrear results are published in the institution's information management system.
- Projects, both U.G. and P.G. are evaluated by an eminent industry personnel and an academician from other leading institutions.

- Evaluation processes and methods of every course is informed to the students beforehand through a detailed course plan. A group of 24 students is allotted under each of the three mentors of the class for continuous monitoring of academic performance of students and counselling.

6.3.4 Research and Development

- The department faculty are grouped on their areas of specialization and are encouraged to submit project proposals pertaining to their area, to funding agencies, under the supervision of a research co-ordinator in every department.
- Every department has an exclusive research laboratory with required software tools which encourages research activities of both students and faculty.
- Students are encouraged to be a part of faculty's research work.
- It is made mandatory for both U.G. and P.G. students to publish papers in international journals in their final semester.
- Faculty without Ph.D. are encouraged to register for one.
- The management gives financial support and on-duty leaves for the faculty who present papers in national and international conferences.
- The institution provides on-duty leave for faculty pursuing research for research related works.
- Faculty's research work and publication details are counted for faculty appraisal.
- Journal publications of faculty in international journals are encouraged by the institution by cash awards. Additional weightages are given to research publication in good journals.
- As a part of many research initiatives, every department conducts national conference annually, which is a knowledge sharing platform between the invited experts from industry, academia and faculty and students. Apart from this, invited guest lectures and seminars in the emerging areas of technology where there is scope for research is conducted periodically.
- Every faculty is provided with laptops and facility for unlimited access for internet to make their working environment resourceful, inspiring their research activities.

6.3.5 Library, ICT and physical infrastructure / instrumentation

The institution provides a conductive environment to nurture quality teaching, learning and research through state of the art infrastructure facilities that include library, smart class rooms, laboratories and research centres.
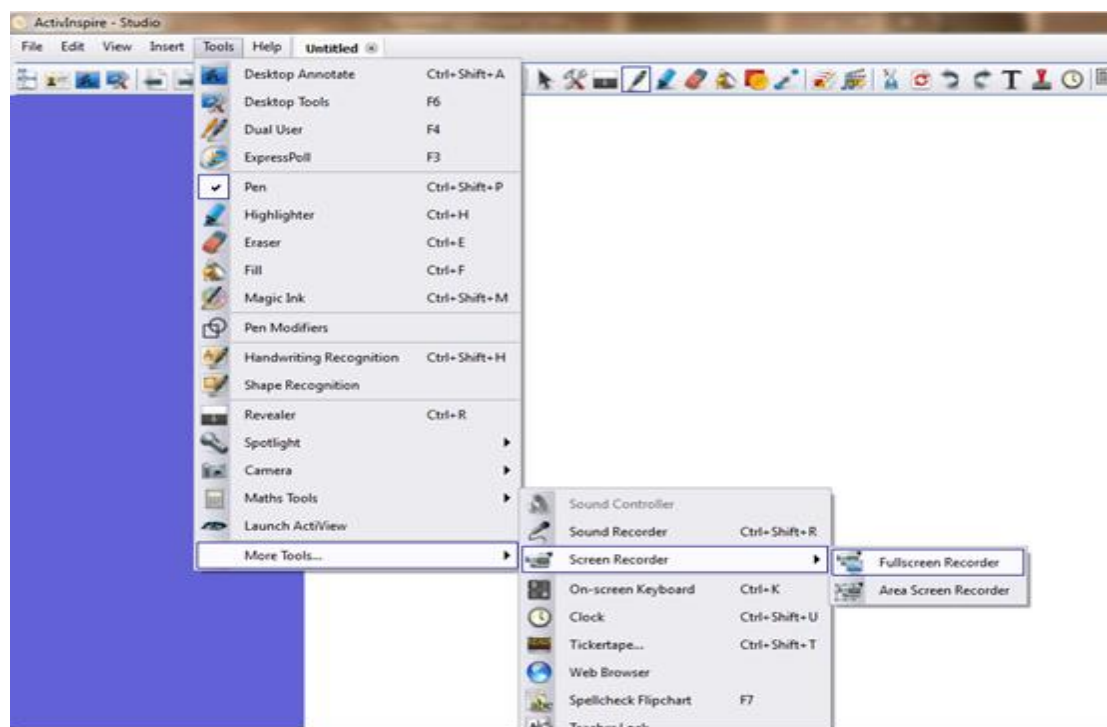
Fig 6.3.5 Snap shot of the smart board

- The green campus spawning over 130 acres of land is located on the eastern lap of the Western Ghats, in a hilly land with a serene and tranquil atmosphere and a salubrious climate.
- The central library with state of the art infrastructure has unique resource collection which are international in scope.
- All the library activities are completely computerised with library software INSPROPLUS which is maintained and updated regularly and is connected to campus wide network which enable users to search and avail resources online.
- Central Library also encompasses reading room and audio visual rooms.
- Digital library is equipped with 65 multimedia systems with IBM storage server having 1TB storage for exclusively storing voluminous information in the library.
- The library maintains more than 6393 CDs on all topics with free access to faculty and students.
- Subscription of rich variety of electronic data base such as NPTEL, IEEE, ASCE, SPRINGER,PROQUEST and other online journals facilitates easy accessibility to the latest development in engineering.
- The bibliographical information of the library is made available through Online Public Access catalogue.
- Students and faculty are provided with Wi-Fi facility which enables access of journals and teaching learning materials from internet and intranet modules from their work place.

- All the computing laboratories are highly equipped with 50Mbps leased line connectivity for internet browsing, and other simulating, designing and modelling software tools.
- All the class rooms are smart with active smart boards and projectors to give multimedia experience to class room teaching and learning.
- Study materials, assignments, technical videos and course informations are uploaded in Google class room which are assessed by the students with appropriate pass codes.
- Polls and surveys are conducted through Google applications.
- Seminar halls and conference centres are provided with projectors and LED display panels.
- The campus provides un-interrupted power supply.

6.3.6 Human Resource Management

- Adequate number of sincere and dedicated faculty to handle all the courses are available.
- The faculty are provided with winter and summer vacations.
- Annual performance appraisal meetings are held.
- On-duties are given for faculty for presenting papers in national and international conferences and for attending seminars, workshops, faculty development programs and industrial trainings.
- Friendly relationship between students and faculty is nurtured.
- Workshops and faculty development programs are conducted to enrich the faculty.
- Faculty themselves are encouraged to organize guest lectures, seminars and workshops.
- Faculty are provided with Wi-Fi for un-limited internet access.
- Faculty are given training to have an edge over active smart boards.
- Recreation programs like yoga, trekking, musical concerts etc. are held to destress the faculty.

6.3.7 Faculty and Staff recruitment

The available strength of human resource is analysed every semester and ensured that the available faculty -student ratio suffices effective teaching-learning and also the UGC norms. Sufficient number of faculty with specialisation in the emerging fields of engineering is also ensured and any deficit in these is overcome by recruiting quality candidates after several stages of scrutiny.

- The required educational qualification of the candidates as instructed by the UGC, experience, required field of specialisation and number of vacancies available are highlighted in the wanted advertisements published in leading newspapers and in the institution's website.
- Eligible candidates are asked to apply on- line in the institution's web portal.
- The list of applied candidates are scrutinised through several technical and non-technical write-up tests and presentations and are subjected to personal interviews by a selection panel made of subject experts, management head and administrative personals.
- Only potential and skill full candidates who get through all the scrutiny levels are appointed.
- Research experience is one of the important criteria, the institution look in to a candidate for recruitment.

6.3.8 Industry Interaction / Collaboration

The institution aims at producing industry ready engineers and hence gives ample importance to institute-industry collaboration by facilitating the following:

- Students are encouraged to undergo internship trainings in industries and required on duty leaves are awarded.
- Students of all years undergo in-plant training in industries and submit reports and make presentations on the training undertaken. Also, visiting industries, at least once in a semester, to have an experience of industrial ambience is made mandatory for all the students.
- Faculty are also encouraged to train themselves in industries.
- Systematic talks and brain storming sessions by invited industry experts is a part of co-curricular activity.
- National and international conferences organised by the institution will mandatorily have Industry experts as resource personals. Industries are also seeked to provide Sponsorship for such events.
- Feedbacks from industrial experts are always included in curriculum development exercise. Also, the Governing body which approves the final curriculum, has an industrial expert as one of its members. The institution's vision, mission, POs and PEOs revision will also consider feedbacks from industries.
- Electives in the emerging industrial technologies are included in the curriculum after brainstorming sessions with industry experts.

6.3.9 Admission of Students

The institution follows government norms of giving admission to meritorious students across the society. The students are kept informed of all the courses available for admission, eligibility criteria and developments in the admission process through advertisements in the leading newspapers and in the institution's website. The students select different courses offered by the institution through single window system in the counselling sessions conducted by the government.

ADMISSION STATUS 2017-2018

DEGREE	DEPARTMENT	STUDENTS ADMITTED
BACHELOR OF ENGINEERING	CIVIL ENGINEERING	58
	MECHANICAL ENGINEERING	181
	ELECTRONICS AND COMMUNICATION ENGINEERING	172
	ELECTRICAL AND ELECTRONICS ENGINEERING	153
	INSTRUMENTATION AND CONTROL ENGINEERING	48
	COMPUTER SCIENCE AND ENGINEERING	173
	INFORMATION AND TECHNOLOGY	112
MASTER OF ENGINEERING	STRUCTURAL ENGINEERING	16
MBA	MASTER OF BUSINESS ADMINISTRATION	103
TOTAL		1016

6.4 Welfare schemes for

Teaching	• Subsidised transportation facility is provided for faculty. • Medical facilities are available for all faculty. • Wi-Fi facility is provided. • Employee provident fund and gratuity. • Financial support is provided for all faculty who present papers in national and international conferences, attend seminars, workshops and industrial training. • Orientation programs are conducted for freshly joined faculty. • Faculty de-stress programs like yoga, trekking and musical concerts are organized. • Systematic health care awareness programs are conducted for faculty. • Maternity leave is given to faculty.
Non-teaching	• Free transportation facility is provided. • Maternity leave is provided. • De-stress programs are conducted. • Health care awareness programs are conducted. • Motivated to pursue higher education. • Skill development programs are conducted
Students	• Medical facilities are made available when ever required. • Placement training sessions are conducted. • Wi-Fi facility. • Health care awareness and de-stress programs are conducted. • Programs to enhance presentation skills of students are conducted. • Financial support is provided to students who go abroad for presenting papers in conferences.

6.5 Total corpus fund generated   NIL

6.6 Whether annual financial audit has been done   Yes   No

X

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	YES		YES	Senior faculty of different departments.
Administrative	YES		YES	-

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

For UG Programmes   Yes   X   No ☐

For PG Programmes   Yes   X   No ☐

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

- Supplementary examinations are conducted to help students clear their arrears in the same academic year of regular exam conduction.
- Results of end semester examinations are published with in a months' time.
- On-line objective tests are conducted as an internal marks evaluation component.
- Three internal tests and a model test is conducted before end semester examinations.
- Grade point system uses letter grades and points.
- Internal marks evaluation components are modelled by capstones model.
- Question papers for internal continuous assessment tests are also set by external question paper setters.
- U.G. and P.G. projects are evaluated by academicians as well as industrial experts.

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

- Feedback on the curriculum is obtained from the alumni as the first step in curriculum development process. Alumni is a part of curriculum development cell of every department.
- A meritorious alumni is a member of the institution's academic council.
- Invited talks and brain storming sessions are conducted by the alumni for faculty and student benefits as a part of systematic curricular activities.
- Alumni of the institution play an important part in the placement activities by providing informations on job opportunities and openings across the world.
- Alumni give job skill training to pre-final students regularly.
- Alumni also help students in arranging industrial visits and internships.
- Alumni are involved in conducting mock interviews for students before placement drives.
- Frequent alumni meet are conducted wherein the alumni are informed about the infrastructural and curricular development of the institution over years.

6.12 Activities and support from the Parent – Teacher Association

- The information management system of the institution provides access to the attendance and internal marks of the students to their parents.
- After every continuous assessment test, the report cards of the students are send to the parents through postal services. Parents of the students who perform poorly in academics are requested to meet the tutor and student counselling is done along with the parents.

- Class advisors and tutors are in constant touch with the parents through phone.
- Systematic academic review meetings are conducted with parents after every continuous assessment tests to discuss the academic performance and discipline of the students and tends to provide timely encouragement and motivation to the students.
- Feedback from parents are also included to revise the mission, vision, POs, PEOs and curriculum of every department.

Academic review Meetings with parents for the academic year 2017-2018 were conducted on the following days.

S.No.	Academic review Meeting	Date
1	Parents Meeting with II and III years.	6.8.2017
2	Parents Meeting with II years	8.10.2017
3	Parents Meeting with III years.	15.10.2017
4	Parents meeting with First years	17.12.2017
5	Parents Meeting with II and III years.	11.3.2018
6	Parents meetings with I, II and III years.	13.10.2018

6.13 Development programmes for support staff

- Non-teaching faculty are motivated to do higher studies.
- Yoga and other de-stressing activities are conducted for support staff also.
- Seminars, workshops and guest lectures are conducted for non-teaching faculty to enhance their skills and enrich their knowledge.
- Industry personals conduct live demos of their products supplied to laboratories to non-teaching faculty.

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

- Nature club, renewable energy club and energy auditing club, initiated activities strive to keep the campus green.NSS, YRC and RRC conducts tree plantation programs periodically.
- Communications to students, parents and other stake holders are through e-mails which has significantly curbed the usage of paper in the campus.
- Every building inside the campus have the provisions to harvest rain water.
- Vehicles are not allowed inside the campus beyond the parking area.
- Solar water heaters provide hot water in hostel campuses. Solar lightings are used in pathways inside the campus.
- Composting yard in the campus provides organic compost for the greenery inside the campus.
- The campus has a green cover of trees and plants planted and maintained regularly.
- Awareness programs on keeping the campus green and clean has been conducted for faculty and students and the advantages of avoiding plastics inside the campus are stressed upon.
- Students are motivated to save power and water and to keep the campus clean during tutor-ward meets.

Criterion – VII

7. <u>Innovations and Best Practices</u>

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

- College provides Soft skill programmes to the students in order to equip them to compete in global competitions.
- Value added courses are conducted by industries for students in order to make them company ready.
- Providing internship opportunities to UG students Conducting pre placement training for III year students.
- Faculty members undergoes various industrial training for each semester to enrich their area of interest.
- Flip classes and Project based learning to inspire the students by creating a passion for learning.
- Displaying motivational videos and webinars wherein experts share their challenges to inspire the students for field integrated learning

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

- Curriculum syllabus revamped to meet the industry requirements
- Provided Outcome Based Education (OBE) for the current first, second and third year students.
- Connected with various top MNCs and premier institutions .
- Increase in research activities in connection with R&D cell.
- Established centre of excellence in various domains.

7.3 Give two Best Practices of the institution

- Industry driven curriculum with outcome based learning.
- Motivate the students to develop the self-learning by online aptitude test practices.
- Industry support laboratory like Virtual cloud lab by Vmware
- VLAB and VTU lab for effective laboratory learning in association with College of Engineering, Pune.
- Club activities to encourage innovations that involves the imaginary skills of the students like Students Interest Group for IoT, MAD club and OSI club.
- Create positive learning environment that acknowledges emotion, improves problem solving skills and create better learning outcomes
- Support passion based learning to instil student's interest and passion
- Research lab activity 24/7

- Centre of Excellence
- Yoga and Gym for all students and staff

7.4 Contribution to environmental awareness / protection

- Tree Plantation
- Plastic Free Zone
- Waste water recycling Unit
- Smoke free campus by keeping parking place near the entrance.
- Garden plants are selected to attract natural pollination agents.
- Rain water harvesting done efficiently
- Maintaining Green cover using treated waste water.
- Vermicompost plant
- No carbonated drinks
- Sewage treatment plants
- Waterless urinals have been installed as part of water saving measures.
- Solid waste generated in the campus is converted into manure.
- Building of large composting yards is in process.
- A mini Bio-gas reactor was set up in Environmental Laboratory
- Energy auditing club

7.5 Whether environmental audit was conducted?   Yes √   No ☐

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)
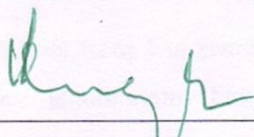
1. Strength : Industry based curriculum
2. Weakness: Students lack in international level participation
3. Opportunities: One credit and three credit training Programmes and short term courses are organized. Faculties are provided to Attend National and International seminar and conferences.
4. Threats: Institutes need few more year to get more funds from the agencies like DST, AICTE, and UGC to upgrade the laboratories at par with developed institute.
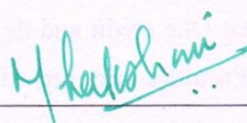
8. Plans of institution for next year

1. Curriculum and syllabus will be revamped with latest technologies like Block chain, machine learning, Industrial IoT and Automotive Electronics to meet the industry requirements.
2. To improve the students' skill set, more programmes based on cutting edge technologies are to be organised.
3. To provide Outcome Based Education (OBE), seminars, conference, guest lectures and workshops will be organized in the emerging areas.
4. Students will be categorised based on their career interest into categories like Service, Product, Entrepreneurship and higher studies, and separate training will be given to each category of students.
5. The number of student participation in high rated National and International level contests will be increased.
6. To improve faculty proficiency, they are asked to take up MOOC courses, attend Faculty Development Programmes (FDPS), Short Term Training Programmes (STTP) and Workshops.
7. To improve research, the faculty members are asked to publish quality papers in refereed Journals.
8. To improve industry institute interaction, more number of Memorandum of Understandings (MoUs) will be signed with industries.
9. The Alumni network will be strengthened.

Name Dr. A. BALAMURUGAN.

Signature of the Coordinator, IQAC

Name Dr. M. Laksami

Signature of the Chairperson, IQAC

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SRI KRISHNA COLLEGE OF TECHNOLOGY

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