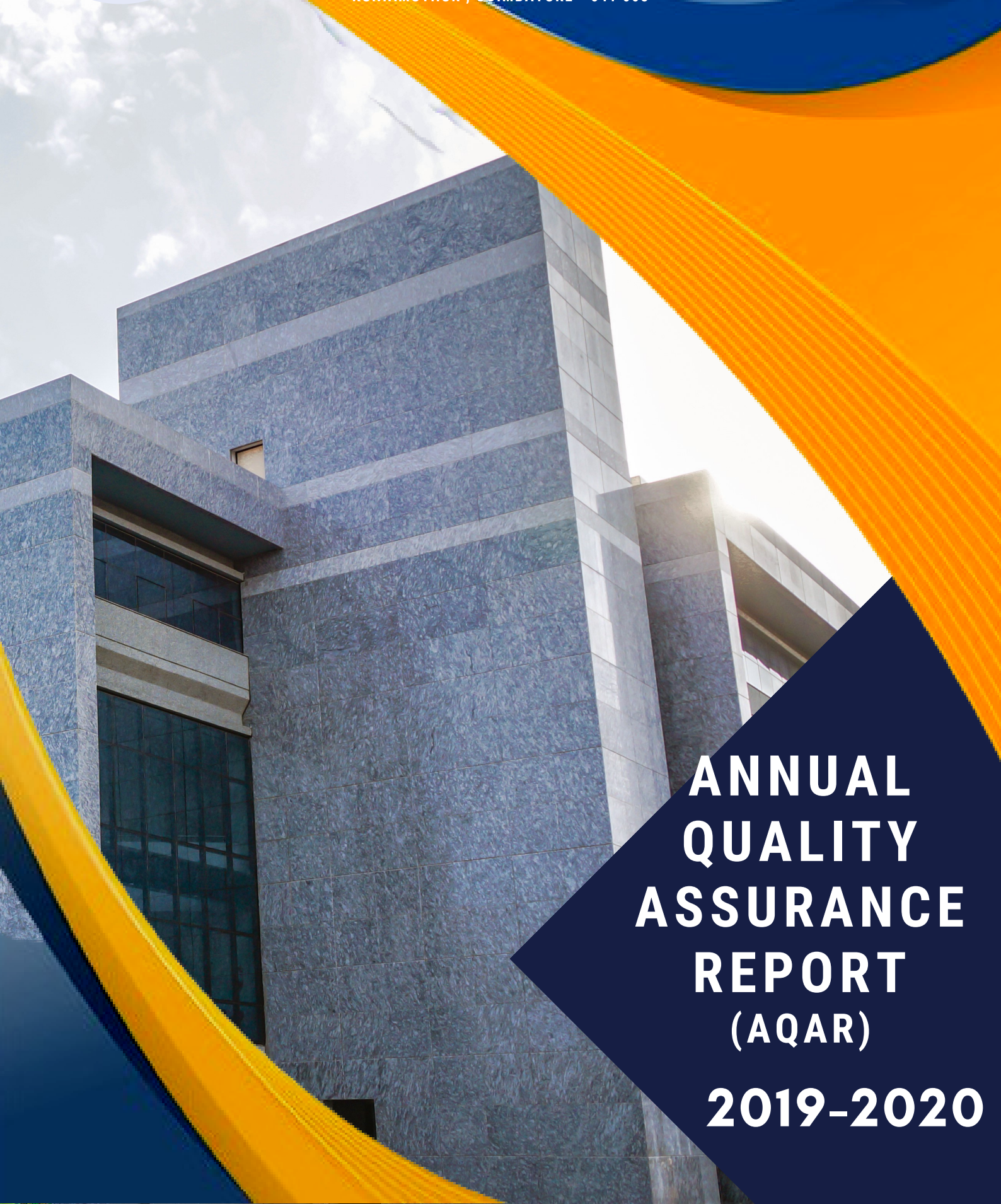




SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY



AN AUTONOMOUS INSTITUTION / AFFILIATED TO ANNA UNIVERSITY
KUNIAMUTHUR, COIMBATORE - 641 008



ANNUAL QUALITY ASSURANCE REPORT (AQAR)

2019-2020



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY
Name of the head of the Institution	J. Janet
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	0422-2678001
Mobile no.	9952966826
Registered Email	principal@skcet.ac.in
Alternate Email	jjanet@skcet.ac.in
Address	Sugunapuram, Kuniamuthur Post
City/Town	Coimbatore
State/UT	Tamil Nadu
Pincode	641008

2. Institutional Status																			
Autonomous Status (Provide date of Conformant of Autonomous Status)			23-Mar-2011																
Type of Institution			Co-education																
Location			Urban																
Financial Status			private																
Name of the IQAC co-ordinator/Director			Dr. P. Ashoka Varthanan. Ph.D.,																
Phone no/Alternate Phone no.			04222678001																
Mobile no.			9952422176																
Registered Email			iqac@skcet.ac.in																
Alternate Email			ashokavarthanan@skcet.ac.in																
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)			http://www.skcet.ac.in/aqar.html																
4. Whether Academic Calendar prepared during the year			Yes																
if yes,whether it is uploaded in the institutional website: Weblink :			http://www.skcet.ac.in/academic-calendar.html																
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.42</td> <td>2015</td> <td>03-Mar-2015</td> <td>31-Mar-2020</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.42	2015	03-Mar-2015	31-Mar-2020
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	A	3.42	2015	03-Mar-2015	31-Mar-2020														
6. Date of Establishment of IQAC			19-Jun-2015																
7. Internal Quality Assurance System																			
Quality initiatives by IQAC during the year for promoting quality culture																			
Item /Title of the quality initiative by IQAC		Date & Duration		Number of participants/ beneficiaries															
No Data Entered/Not Applicable!!!																			

[View File](#)

8. Provide the list of Special Status conferred by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/ Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
View File				

9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

Yes

If yes, mention the amount

45374442

Year

2020

12. Significant contributions made by IQAC during the current year(maximum five bullets)

The Institution applied for NAAC cycle 2 accreditation during August 2019. The data verification and validation is under progress.

The departments of EEE and Civil were accredited by National Board of Accreditation for 3 years after the committee visit during Jan 2020. Similarly, ECE, CSE, IT and Mechanical Engineering departments were reaccredited for 3 years based on the compliance report and subsequent committee visit during Feb 2020.

The College has been chosen as a nodal centre for conducting Smart India Hackathon (SIH) for the fourth consecutive year during August 2020. In addition, 3 teams from our college have won 1st prize in SIH 2020 Software and Hardware Versions.

Secured 83rd Rank among Engineering Institutions in NIRF 2020 Ranking and 2nd Rank pan India in ARIIA 2020 rankings.

The Institutions Innovation Council of SKCET has been bestowed with 5 stars by the Ministry of Higher Education's Innovation Cell for its outstanding performance during the year 2019-2020.

No Files Uploaded !!!

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

Plan of Action	Achievements/Outcomes
To improve the NIRF and ARIIA ranking for the forthcoming academic year.	SKCET has won the prestigious 83rd Rank in the Ministry of Higher Education's NIRF rankings 2020 under Engineering category and Top 100 in Management category. It is a phenomenal ascent for SKCET from the previous 97th rank last year in 2019. SKCET proves its prowess in the prestigious Atal Ranking of Institutions on Innovation Achievements (ARIIA) by securing a solid spot-Second Rank in National Level among private HEIs for its excellence in innovation and entrepreneurship. This excellence in ranking metrics reverberates as the Institution has moved up to the Top 2nd position at the National level from the previous Top 100 league in 2019.
To promote International academic interaction further.	The Institution strives hard to improve the linkages with the International Universities through MoUs for twinning programmes and by participating in Hackathons. SKCET has signed MoUs with Valparaiso University and Marshal University to promote twinning programme. The students of SKCET actively participate in the International Hackathons like 1. Oxford Hack by Oxford University, UK 2. Hack Harvard by Harvard University, Boston 3. Hack Roll 2020 by National University of Singapore 4. Hackcamp 2020 by Major League Hacking, Microsoft Tech, Kochin 5. Hack Princeton by Princeton University to get International exposure.
To collaborate with leading Industries to establish Centres of Excellence in the state of the art technologies and introduce new programmes in niche technologies like Artificial Intelligence and Data Science.	The infrastructure and laboratories are continuously upgraded to create and demonstrate a technically able learning environment to the students. MoUs were signed with leading MNCs to establish centres of excellence (CoE) in upcoming technologies. Some of the recently

established CoEs are. • AI,ML, DS and RPA by Talentsprint • Full Stack Programming by Virtusa Corp • External Research and Academic Alliance, Data Science and Big Data Analytics by Dell EMC Corp • ZOHO Inc Incubation Centre • Cloud Computing by VMware Inc • Big Data by Cloud Bull Inc • VLSI by Cadence Design Systems Inc • Building Information Modelling by Bentley Systems India Pvt. Ltd • Antenna Design by ANSYS Inc • Automotive Design by Seine Aerospace Products Design, Dubai • Materials Processing and Testing Lab funded by AICTE and DST • Automobile Lab sponsored by Pricol Ltd • Robotics Lab by ABB Corp A new B.Tech programme in Artificial Intelligence and Data Science has been started since the academic year 2020, in-tune with the changing industry scenario.

To improve the outreach activities in order to promote societal well being as part of the Institutional Social Responsibility (ISR).

The Institution is determined to improve the outreach activities to promote societal well being as part of the Institutional Social Responsibility (ISR). The target was achieved through the following means. Swachhta Action Plan (SAP) Under the guidance of the Department of Higher Education, the Mahatma Gandhi National Council of Rural Education (MGNCRE) initiated the development and implementation of Swachhta Action Plan (SAP) to help the HEIs to inculcate the sense of cleanliness among the students community. The Institution vibrantly participated in the SAP activities by enforcing a Standard Operating Manual for a clean and green campus thus spreading awareness on environmental Hygiene, Sanitation and Waste Management. Awareness programmes were also conducted to spread the importance of cleanliness among the local communities and other universities/colleges. The SAP team celebrated various days of National Importance throughout the year to inculcate patriotism among the students. Utkrisht Sansthan Vishwakarma Award (USVA) SKCET actively participated in Utkrisht Sansthan Vishwakarma Award (USVA) 2020 and conducted various programmes under the theme "INDIA FIGHTS CORONA". The Institution initiated many steps to ensure that the spread of virus is slowed down or stopped and had helped

the society and authorities by providing a helping hand during the lockdown period through the conduct of awareness programmes, free Counselling, tele-support, manufacturing and distribution of hand sanitizers, masks, shelter/food/materials for the needy, developing e-material for managing online classes, educating school students and involving them in development of essential solutions. Over 100 outreach programs were conducted throughout the year, thus benefiting the society, students and the country, at large.

To obtain the highest grade of A plus plus in NAAC Cycle Accreditation.

SKCET has submitted the NAAC cycle 2 self study report (SSR) during December 2019 and the data verification and validation (DVV) is under progress. The documents are submitted after several rounds of scrutiny and the Institution is expecting a positive outcome soon.

No Files Uploaded !!!

14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing Body	16-Nov-2019

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

Yes

Date of Visit

02-Feb-2018

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2020

Date of Submission

11-Feb-2020

17. Does the Institution have Management Information System ?

Yes

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

The college has a full fledged Management Information System. The CMS software is used for major academic and administrative activities like students database management, admissions, transport, leave application, library

transactions and HR functions. The web portal and mobile app versions of the software are used for processing the data. Individual student login and staff login are provided for assessing data easily. The following academic features are available in the ERP module.

- Students database management.
- Attendance tracking and management of the students. Parents receive message when their wards are not present inside the campus.
- Performance analysis of the students based on their continuous assessment marks. The software has a separate module for managing the admission details of the students. The complete database of students is uploaded even during the time of admission.
- Student Bonafide Certificates, Transfer Certificates and Course Completion Certificates are generated through ERP software.
- The HR module of the software manages the complete database of staff members. The staff attendance is generated on day to day basis based on the bio metric report. The staff members can also apply for leave through the ERP module.
- The software has provisions for managing Library book transactions by staff and students.
- A separate module for hostel and transport management is also available in the software. The software is used for hostel room allotment and hostel attendance management. Scheduling the bus routes shall also be done using the software.
- Auto backup features are available for the software and backup is taken on day today basis. Recently, the Institution is using an LMS platform named MYCLASSROOM for teaching learning purpose.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
No Data Entered/Not Applicable !!!			
View File			

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
No Data Entered/Not Applicable !!!				
View File				

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Artificial Intelligence and Data Science	16/11/2020
No file uploaded.		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Mechanical Engineering	16/10/2020
BE	Electronics and Communication Engineering	17/10/2020
BE	Computer Science Engineering	16/10/2020
BTech	Information Technology	16/10/2020
BE	Mechatronics Engineering	14/10/2020
BE	Electrical and Electronics Engineering	10/10/2020
BE	Civil Engineering	16/10/2020
BTech	Computer Science and Business Science	28/10/2020
BTech	Artificial Intelligence & Data Science	16/10/2020
Mtech	Computer Science Engineering	16/10/2020
ME	Engineering Design	29/04/2019
ME	CAD/CAM	29/04/2019
ME	Applies Electronics	25/10/2019
ME	Communication Systems	25/10/2019
ME	Computer Science Engineering	27/04/2019
ME	Software Engineering	27/04/2019
ME	Power Electronics and Drives	01/11/2019
MBA	Master of Business Administration	17/10/2020

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
No Data Entered/Not Applicable !!!		
View File		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	MECHANICAL ENGINEERING	40
BE	ELECTRONICS AND COMMUNICATION ENGINEERING	46
BE	COMPUTER SCIENCE AND ENGINEERING	55
BTech	INFORMATION TECHNOLOGY	51
BE	MECHATRONICS ENGINEERING	251
BE	ELECTRICAL AND ELECTRONICS ENGINEERING	92
BE	CIVIL ENGINEERING	74
MBA	MASTER OF BUSINESS ADMINISTRATION	15
No file uploaded.		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
<p>Established in 1998, Sri Krishna College of Engineering and Technology has marched towards the pinnacle of glory through its remarkable achievements in the field of Engineering Education. In order to strengthen the functioning of the academic system, valuable comments and suggestions are received from various stake holders like industry experts, alumni and outstanding academicians to upgrade the curriculum and syllabi on a continuous basis. The suggestions received are incorporated for improving the teaching learning process. 360 degree feedback is collected through various modes for monitoring and improving the teaching learning process. Student feedback is obtained through "online mode" to assess their opinion on the teaching standards, syllabus contents, adequacy of academic infrastructure and updating the employability skills. Class committee discussions are held twice a semester with the student representatives to discuss their academic issues. In addition, one to one student discussions with HoD and Principal are conducted to understand the academic and non-academic issues of students. Remedial actions are initiated immediately based on the merits of the issue. The academic programmes are designed in alignment with the vision and mission of the</p>

Institution, duly incorporating the suggestions and recommendations received from the stake holders. Apart from obtaining and incorporating the suggestions and recommendations from the stakeholders on a continuous basis, the formalized interactions taking place in the Board of Studies, Academic Council and Governing Body meetings also pave way for updating the curriculum, syllabi and pedagogy. The Board of Studies and Academic Council have representatives from the industry and alumni, apart from academic experts. These forums provide ample opportunities for effective deliberations in designing the academic programme and in updating the curriculum and the syllabi. The modifications that have been incorporated consequent to the feedback from the stakeholders are highlighted:

- Choice Based Credit System (CBCS) was introduced during the academic year 2015-2016, which has made the Curriculum interdisciplinary, permitting the students to choose the courses of study as per their choice.
- Higher weightage has been assigned to Continuous Internal Assessment components, as is the case with most higher education Institutions in the country and abroad. Presently, Continuous Internal Assessment is assigned equal weight as End Semester External Assessment for most of the courses.
- 21 days of Internship has been made mandatory along with credits.
- Eighth semester has been earmarked for industry internships.
- Mini project has been included in the curriculum to provide the students with practical learning exposure.
- Value added courses have been identified and students are encouraged to pursue such courses on contemporary/emerging areas.
- A new stream of electives, viz, Emerging Electives has been introduced in the curriculum since 2020 to expose the students to the upcoming topics in their field of study. This is in addition to the open elective courses introduced during the earlier regulation. In the 2020 revision, students of all departments shall study 3 to 5 open and emerging electives.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
No Data Entered/Not Applicable !!!				
View File				

2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	4573	310	295	36	16

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
347	347	347	115	115	347

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The college assesses the future aspirations of the students and their learning levels immediately after admission process and categorize them as coders, core aspirants, entrepreneurs and those opting for higher studies. This helps to design and deliver the customized and focused training based on their career choice. Review conducted by expert faculty mentors in the fundamentals of mathematics, physics, chemistry and the communication skills help the faculty to understand the skill sets of the students. A tutor is assigned to every 15 students and they are introduced on the Orientation Day itself. During orientation program parents get familiarized with the department faculty members, rules and regulations of the college and facilities available in the campus. Tutorward meetings are conducted every week and the tutors interact with the students on day to day basis in-person and through a separate social media group. Virtual meeting are conducted during the pandemic times. A separate social media group also exists for parents, where all the class tutors are members of the group. The progress of the wards is updated to parents every now and then. Academic review meeting (Parents meeting) is convened on Sundays, twice a semester, to discuss about the progress of the students with their parents. Even during the Covid 19 pandemic, virtual academic review meetings are conducted to inform the progress of their wards to the parents. Special training programmes are planned for slow learners based on their academic performance. Lateral entry students are admitted to the second year directly after their diploma from polytechnic colleges. Though they are good in the courses related to their trade, their communication and mathematical skills need to be supplemented. Hence special communication classes are arranged. Bridge courses are conducted in mathematics and the students are coached in tough subjects by the parent department. Counseling and mentoring sessions are being conducted in a cordial manner to help the students overcome their psychological problems and help them achieve their goals successfully. Snap talk, which is aimed to improve the communication and public speaking skills, is mandatory for all students. All the students are motivated to participate in technical contests and hackathons. Departments insist on mandatory student internships at eminent Industries and Research Institutes. Students are encouraged to write research articles and file patents along with the faculty mentors. Organizing technical symposium, cultural events and sports meet helps to build self confidence among the students and brings in the team spirit. Thus the students are mentored to improve their academic performance and attain their career goals.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4883	347	1:14

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
347	347	Nil	34	94

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
No Data Entered/Not Applicable !!!			
View File			

2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-	Date of declaration of results of semester-
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			end examination	end/ year- end examination
No Data Entered/Not Applicable !!!				
View File				

2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
481	3639	13.22

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

http://www.skcet.ac.in/agar.html

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
No Data Entered/Not Applicable !!!					
View File					

2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

http://www.skcet.ac.in/agar.html

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
Nil
View File

3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Dr.N.Natraj	National Eminent Educator Award	12/11/2020	I2OR ,India

2020

No file uploaded.

3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
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No Data Entered/Not Applicable !!!

[View File](#)

3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

32

3.3 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
---------------------------	-------------------	------

No Data Entered/Not Applicable !!!

[View File](#)

3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
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No Data Entered/Not Applicable !!!

[View File](#)

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
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No Data Entered/Not Applicable !!!

[View File](#)**3.4 – Research Publications and Awards**

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Computer Science and Engineering	3
Electronics and Communication Engineering	10
Electrical and Electronics Engineering	3
Information Technology	5
Mechatronics Engineering	2
Science and Humanities	5
Mechanical Engineering	9

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

Type	Department	Number of Publication	Average Impact Factor (if any)
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International	Nil	Nil	Nil
View File			

3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Master of Business Administration	2
Mechatronics Engineering	6
Computer Science and Business Systems	6
M.Tech. Computer Science and Engineering	2
Information Technology	4
Mechanical Engineering	7
Electrical and Electronics Engineering	25
Electronics and Communication Engineering	41
Computer Science and Engineering	31
Civil Engineering	3
No file uploaded.	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
No Data Entered/Not Applicable !!!			
View File			

3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
View File						

3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
View File						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	167	969	Nil	Nil
Presented	116	4	Nil	Nil

papers				
Resource persons	2	18	2	1
No file uploaded.				

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
No Data Entered/Not Applicable !!!			
View File			

3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
No Data Entered/Not Applicable !!!				
View File				

3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!			
View File			

3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			
View File			

3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!				
View File				

3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
View File			

3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					
View File					

3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
No Data Entered/Not Applicable !!!			
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
1079.7	1028.28

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
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Autolib	Fully	V5.0	2006
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4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			
View File			

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Mr.Kalins	Integration	ActivInspire	10/06/2019
Ms.Mary Fabiola	Good communication	ActivInspire	10/06/2019
Dr.K.N.Sivabalan	Mathematical preliminaries 1-Theory of computation	Video recorder	25/11/2019
Dr.K.N.Sivabalan	Turing machine examples	Video recorder	06/04/2020
Ms.Kalaivani	Fibre Optics	ActivInspire	18/04/2020
Ms.Lavanya	Multiplexer	ActivInspire	22/04/2020
Ms.S.Shunmugapriya	Classification of Data Structures	Video recorder	16/05/2020
Ms.S.Shunmugapriya	Algorithms	Video recorder	06/07/2020
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	1953	20	1953	2	2	1	10	390	0
Added	0	0	0	0	0	0	0	0	0
Total	1953	20	1953	2	2	1	10	390	0

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

390 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Video Recording in media center	https://youtu.be/0cV6aI_yK3q
ActivInspire Lecture Capturing System	

in Smart Classroom	https://drive.google.com/file/d/1Xo6ZSYX1ClYS9Rh8OdtO-00RkRcNx9R/view?usp=sharing
ActivInspire Lecture Capturing System in Smart Classroom	https://drive.google.com/file/d/1gyS081oc8xkKvRrhLlRm-pwjvbWi9dS3/view?usp=sharing
ActivInspire Lecture Capturing System in Smart Classroom	https://drive.google.com/file/d/1Epk3wWQGBSwLtB0kr32FzgfSPjYA7glw/view?usp=sharing
ActivInspire Lecture Capturing System in Smart Classroom	https://drive.google.com/file/d/17lKrOs-IbkStelXTzq6uEiN9me5OP_hG/view?usp=sharing
Video Recording in media center	https://youtu.be/LVuKQZPcIjI
Video Recording in media center	https://youtu.be/fRpiNDIyrYU
Video Recording in media center	https://youtu.be/K--CfCSOqmk

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
292.14	278.23	1253.34	1193.65

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

Overall Infrastructure Management: The Institution has an Administrative Officer team who oversee the whole campus. An SoP exists for the overall campus maintenance. Painting of the walls is done periodically and the Maintenance Engineer goes around the campus regularly for daunting problems. Stock verification of assets are done annually and the college has entered into AMC for maintaining and repairing the equipment. **Electrical Maintenance:**

- Electrical supervisor and team engage in testing, fixing and replacement of electrical components.
- The team works hand-in-hand with TANGEDCO and ensures that the Institution comply with the regulations of the Government of Tamil Nadu.

Laboratory Maintenance: The laboratory stock books are under the control of the department heads. Periodic maintenance of laboratory equipment is carried out by the technical assistants. Every year, servicing of lab equipments are done by external agencies through a budget sanctioned by the Principal and Management. **Smart Board and System Maintenance:** A Professor in-charge oversees the maintenance of the smart boards. A team of technicians work under the professor in-charge to ensure that the boards are working flawlessly.

IT Infrastructure Maintenance: A team comprising of system manager, administrator and technicians maintain the systems in the campus.

- ? Daily : Website updation
- ? Weekly : Printer Toner Filling, cleaning
- ? Monthly : latest updates like adobe flash player, browser updates.
- ? Quarterly : UPS maintenance
- ? Half yearly : Formatting the systems and installation of antivirus, OS updation printer maintenance.
- ? Yearly : Firewall protection arrangement software licenses. Back up of data, hard disk cleanup, defragmentation of the utilities and disposal of scrap systems are done regularly. Library

Maintenance: The college Library is headed by the Librarian and it is supported by a competent team. ? Library follows the Government norms for weeding out the worn out books. ? Stock verification of the library books is done annually.

Every day morning, the returned books will be re-shelved by the library assistants. Transport: A fleet of 15 buses ply in and around Coimbatore to support the needs of students and staff. Students' safety is ensured by employing well experienced drivers, fitting speed control devices, fire extinguisher and first aid boxes in all buses. Buses are cleaned on a daily basis. Lubrication is done every fortnight. Insurance, Permit, Fitness Certificate (FC) are renewed annually for all the vehicles. Garden Maintenance:

Utmost importance is provided to the Green Infrastructure of the campus. The green campus is ensured through AMC with a Garden Maintenance Company. Seminar Halls: The college has a prolific auditorium, a convention center and four seminar halls with technicians for overall maintenance of the facilities.

Sports complex: The Physical Director assisted by a competent team is responsible for the Sports infrastructure of the campus. The team is also responsible for the overall maintenance of sports equipment, sports complex and Gymnasiums.

http://skcet.ac.in/pdf/AQAR/4.4.2%E2%80%93%20Procedures%20and%20policies%20for%20maintenance_Final.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Nil	Nil	Nil
Financial Support from Other Sources			
a) National	Nil	Nil	Nil
b) International	Nil	Nil	Nil
View File			

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			
View File			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
No Data Entered/Not Applicable !!!					
View File					

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
2	2	6

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
No Data Entered/Not Applicable !!!					
View File					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					
View File					

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

Items	Number of students selected/ qualifying
GMAT	1
CAT	2
GRE	3
TOFEL	1
Any Other	28
No file uploaded.	

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

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
View File		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
View File						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

SKCET Students are adequately represented in various forums and they are

empowered to organize events and display their leadership skills. Some of the forums where students play an active role are as follows. Students Council: Students council is represented by students from all the departments and coordinated by two senior faculty members. The Council meets twice in a semester. Principal discusses the academic issues with the council members and recommends corrective actions based on the suggestions and feedback from the members. Class Committee Meeting: Class committee meetings are conducted twice a semester to discuss the academic progress of the students and improvement required in the teaching learning practices. The class committee comprises of students representing various categories like the advanced learners, average learners, achievers, subject handling faculty members and mentors. The HoD and the Principal may also attend the meeting. Program Advisory Committee: Feedback and suggestions pertaining to curriculum and syllabus revision are collected through PAC committee. The committee discusses the necessary change of the curriculum and syllabus in view of the current developments on par with the needs of the Industry. Framing of program outcomes (POs), program specific outcomes (PSOs) and program educational objectives (PEOs) are also discussed in the forum. Senior faculty members, Experts from Industry and academia, Students and Alumni are the members of this committee. Clubs and Associations: Students are adequately empowered through the various clubs and associations that exist in the Institution. The vibrant clubs in the Institution are the Society of Automotive Engineers (SAE) Club, Institution of Indian Foundry men (IIF) Chapter, Coimbatore Productivity Council (CPC), Society of Automation and Robotics (SAR), Innovation and Entrepreneurship Development Centre (IEDC), Mozilla campus club, Google crowd source team, IEEE Robotics and Automation Society, Energy Audit Cell, Technical Club, Humor Club, Innovative club, Westibule English Club, Tamil Mandram, Eco Green Club "Manvasam" and Social Club "Eagai" and these clubs enhance the skills of the students. In addition to the above, all the departments have a vibrant Association headed by a Student Secretary, Office bearers and Student members. The Association organizes guest lectures by inviting subject experts from academia and Industry. Students also participate in Hackathons and have won prizes and internship offers from various organizations. The Institution has been ranked 22nd in National Level and 7th in South Zone in AICTE Internshala Ranking 2019. Dedicated mentor teams encourage the students to participate in various events like SIH, My Gov challenges, AICTE Chhatra Vishwakarma Awards to display the innovative skills for societal development. Mentored teams have won first prizes worth Rs. 2 Lakhs at TCS connect 2019 (XR Hackathon), Rs.1 Lakh at SIH 2020 (both hardware and software versions), Rs.10000 at TN police Hackathon 2019, Rs.30000 at Indian karting race and Microsoft Azure Best Product Award during Asia Pacific Hack Camp 2020 organised by Major League Hacking (MLH).

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of registered Alumni:

6650

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

No Data Entered/Not Applicable !!!

5.4.4 – Meetings/activities organized by Alumni Association :

1. Virtual Alumni Meet 2020 was conducted by Mechanical Engineering department on 26.12.2020 via Google meet. 2. Virtual Alumni Meet 2020 was conducted by

Electronics and Communication Engineering department on 26.12.2020 via Google meet. 3. Virtual Alumni Meet 2020 was conducted by Mechatronics Engineering department 26.12.2020 via Google meet. 4. Virtual Alumni Meet 2020 was conducted by Electrical and Electronics Engineering department on 26.12.2020 via Google meet. 5. Mock Interview by Alumni was conducted by Mechatronics Engineering department on 24.10.2020 for final year students. 6. Online Webinar on Trends in IoT with focus on Health care was conducted by Electrical and Electronics Engineering department Alumni on 04.10.2020. 7. Mock Interview by Alumni was conducted by Electrical and Electronics Engineering department on 2.10.2020 for final year students. 8. Online Guest Lecture was conducted by Electronics and Communication Engineering Alumni entitled Preparation pathway for Placement on 02.05.2020. 9. Online Guest Lecture on Systems Programming and Avenues was conducted by Electronics and Communication Engineering Alumni on 27.04.2020. 10. Alumni Interaction - Online Guest Lecture was conducted by Electronics and Communication Engineering entitled Essential Skill Requirements for Service based Industries on 25.04.2020. 11. Online Guest Lecture was conducted by Electrical and Electronics Engineering Alumni titled Robotics and ML on 22.04.2020. 12. Online Guest Lecture was conducted by Electronics and Communication Engineering alumni titled Exploring the Path for Higher Education on 21.04.2020. 13. Online Guest Lecture was conducted by Mechatronics Engineering Alumni titled Software Quality Assurance and Project Management on 18.04.2020. 14. Online Guest Lecture on Software Quality Engineering was conducted by Mechatronics Engineering Alumni on 17.04.2020. 15. On April 14, 2020, Mechatronics Engineering Alumni delivered an online guest lecture titled How to Set Goals and Achieve Career Opportunities in Dream Companies.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The Institution follows a decentralized and participative management style in decision making. All the strategies framed by the Institution are achieved after brainstorming and thorough deliberations. Introduction of a new Undergraduate Program, viz, B.Tech Artificial Intelligence and Data Science (AIDS) during the Academic year 2020-2021 is one of the key decisions taken by the Chairperson and Managing Trustee after consulting with the Principal and the Heads of the departments. The theory and lab classes are conducted through online mode for all UG and PG students since March 2020 due to the Covid 19 pandemic. Before the commencement of the classes, all study materials, video lectures and presentations of each faculty were reviewed by the Chairperson, Principal and the Heads of the Departments. On obtaining approval from this panel, the contents were posted online by the faculty. In-spite of the faculty 'Working from Home', they were also engaged in activities like participation in rankings, submission of project proposals and other co curricular tasks monitored by the respective HoDs. The effective leadership of the top management also enabled the Institute to host the grand finale of Smart India Hackathon 2020 - Software edition virtually during August 2020 amidst the lockdown restrictions.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
---------------	---------

<p>Admission of Students</p>	<p>Admission of students is done through single window system as per Anna University norms. The Institution ensures wide publicity and transparency in the admission process through prospectus, college website and advertisements in all leading national and regional daily newspapers. The College regularly participates in the educational fairs of various leading publications and the admission process adheres to the norms stipulated by the Government Order. The admission process for the academic year 2020-2021 was strictly followed adhering to the COVID norms.</p>
<p>Industry Interaction / Collaboration</p>	<p>The Institution has engaged in collaborative discussions with leading Industries and has established premier Centres of Excellence (CoE) in association with leading industry. Some of the important CoEs are as follows:</p> <ol style="list-style-type: none"> 1. Hire, Train and Deploy CoE with Aspire Systems 2. Full Stack Programming CoE by Virtusa Corp 3. ZOHO Inc Incubation Centre 4. Cloud Computing CoE by VMware Inc 5. Big Data CoE by Cloud Bull Inc 6. VLSI CoE by Cadence Design Systems Inc 7. Building Information Modelling by Bentley Systems 8. Antenna Design CoE by ANSYS Inc 9. Automotive Design CoE by Siene Aerospace, Dubai 10. Pricol sponsored Automobile Lab 11. CISCO CoE for Training and Development
<p>Human Resource Management</p>	<p>The recruitment and selection process adhere to the guidelines provided by the affiliated university and AICTE/UGC. All newly recruited faculty members are deputed for orientation programme. The faculty members are encouraged to attend refresher courses and faculty development programmes and MOOC courses on latest topics. The Institution has also signed MoU with NITTTR, Chandigarh to train faculty in the upcoming technologies. ATAL-AICTE FDPs are also conducted to train the faculty members. Best faculty award, best researcher award and best publication award are provided for all performing faculty. Every year incentives are provided for faculty members who contribute to academic excellence</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>The Central Library has an assortment of 79642 volumes of books on various</p>

subjects. The Library subscribes to about 7000 National/International magazines and journals including SCOPUS and WEB OF SCIENCE bibliographic databases. It provides off-campus access to students through SHIBBOLETH. A well laid play ground to an extent of 7.5 acres caters to students' needs for outdoors games. The college has a multipurpose sports hall for playing indoor games. The college also has a Multi Station Gym (Six Stations) with all accessories. All the 115 classrooms and 5 seminar halls have smart boards and projectors.

Research and Development

The Institution has scaled new peak in Research and Development and funds to a tune of Rs.6.65 Crores (Upto December 2020) have been received so far from Government and Private agencies. The Institution has obtained grants from various Government agencies like DST, AICTE, UGC and TNSCST, in addition to private funding. Faculty and students are actively involved in research and they have published 767 papers in reputed Scopus/WoS indexed journals and filed 122 patents during the year 2019-2020. Flair for Innovations and Creativity at Research Incubation Cell (RIC) has obtained the 'Nationwide 2nd position in ARIIA 2020 Ranking' on indicators related to Innovation

Examination and Evaluation

The controller of examination (CoE) office is in charge for the conduct of continuous internal assessment tests and the end semester examinations. All the processes of the CoE office like the exam registration, fees payment, exam schedule preparation, hall ticket generation and result declaration are completely automated. The CoE office meticulously conducts internal and end semester examinations by ensuring the quality standards of the question paper with the Bloom's Taxonomy learning levels. During the pandemic period, end semester examinations are conducted through the AI powered online examination portal, viz, EXAMLY

Teaching and Learning

The Institution emphasis on world class teaching learning and evaluation practices to attain excellence. The college has replaced the 'chalk and talk' method with smart classrooms and interactive boards. Students are made

to undergo variety of MOOC/Online courses in SWAYAM NPTEL, Coursera and Edx platforms every semester with credit transfer on to the academic record of the students. The theory and lab classes are conducted through online mode for all UG and PG students since March 2020 due to the Covid 19 pandemic. All lecture materials were uploaded in Google classroom and classes were conducted through Google meet

Curriculum Development

The curriculum and syllabi are framed based on inputs obtained from reputed industries, apart from other stake holders. Inputs received from the industry experts have resulted in the introduction of innovative, application oriented topics in latest disruptive technologies such as Artificial Intelligence, Block Chain, Machine learning, Data Analytics and Internet of Things. The Choice Based Credit System (CBCS) has opened up avenues for interdisciplinary learning. The Board of Studies (BoS), Academic Council (AC) and Governing Body (GB) meetings were conducted through online mode since March 2020.

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

E-governance area	Details
<p>Planning and Development</p>	<p>The Institution has ERP software named CMS software (by Exalogic) for the overall academic and administrative data collection, processing and analysis. The Institution provides individual email id for all faculty and students. All academic circulars and other important notices are sent to faculty members and students as emails through Google domain space. The academic calendar is prepared at the beginning of the academic year and the same is synced with CMS software for overall planning. A software named "Alma Connect" is being used to maintain the alumni data base and also used to communicate with them</p>
<p>Administration</p>	<p>To record and monitor the faculty attendance, CMS software is being deployed. This module also maintains the repository of faculty information and attendance received through biometric entry. The same module is being deployed for Institution's hostel and transport administration, which</p>

	contains details about the hostel staffs and students, room allotment and transport schedule
Finance and Accounts	The Institution's finance and accounts section uses an ERP software module developed in-house for operating and managing its accounts.
Student Admission and Support	To monitor and record student admission and progression, CMS software module is being deployed. This software maintains details about student information, attendance details, fees paid status, tutor details and other details pertaining to student's academic activities
Examination	For effective planning of examination, EVALPRO - an ERP software module is being used. This software maintains a database of exam details, student details and generates statistics for the previously conducted examinations. It also generates the exam time table with schedule, hall plan and hall tickets for students. Due to the prevailing pandemic situation, the exams for the odd and even semesters for the academic year 2020-2021 were conducted online. For effective conduct of the examinations online, an Artificial Intelligence (AI) enabled software called Examly was introduced. Examly is an AI-powered adaptive automation assessment tool that systematically conducts examinations and avoids the chances of malpractices. The exams were conducted using this software under strict monitoring. Several practice tests was made available to the students to enable them to understand about the features of the software and about the online code of conduct of the exam

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
View File				

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
No Data Entered/Not Applicable !!!						
View File						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
347	347	105	105

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>Faculty members with post graduate qualification are motivated to pursue Ph.D and are given OnDuty and financial support whenever required. Faculty members are also motivated to guide PhD scholars and due weightage is given for such faculty during performance appraisal. They are encouraged to undertake consultancy work in their area of expertise and a percent of the consultancy amount is given as incentive to the concerned faculty. Faculty members are encouraged to attend national international conferences/workshops/seminars across India and are also given on-duty permission and financial support. Faculty members</p>	<p>The performing non teaching staffs are recognised during the college day with rewards and financial incentives. Aspiring nonteaching staff members are also motivated to pursue higher studies and periodical training is also imparted to them. The college also provides group insurance for the non teaching faculty</p>	<p>Students are motivated and provided financial support to attend competitions, hackathons, exhibitions, industrial visits and job oriented training programs. They are provided with Health care benefits through the in-house health centre. In addition to the above, the following benefits are provided to the students: 1. Group Medical Insurance 2. Scholarship for students belonging to economically weaker sections 3. Cash prize and awards for winning accolades in contests and doing innovative projects 4. As a part of state government initiative, 2GB Data Cards were given to all students for attending online classes</p>

are motivated to network with Professional bodies like SAE, IIF and IEEE. Membership fees for the faculty members are also paid by the Institution. Orientation Programmes are conducted for new faculty members in order to train them in teaching methodologies, pedagogical activities like using of the teaching aids such as smart boards, projectors and Google classrooms. Faculty contribution with regard to paper publication, book publication, patent publication/grant, research fund, research accomplishments are recognized during College Annual Day and Star Faculty function. The following incentives help in improving the working ambience and academic acumen of the teaching faculty: 1. Faculty Performance Incentive for Best Teachers 2. Incentive for publication of papers in Journals 3. Incentives for filing patents 4. Incentives for writing books 5. Incentive for obtaining external funded projects 6. Incentive for the mentoring Smart India Hackathon prize winners 7. Bonus monthly salary for faculty contribution 8. Sponsored foreign trips for performing faculty and heads 9. Fees concession for the wards of staff members studying in SKCET. The college has insured all faculty members and supporting staff through group medical insurance policy. Faculty members are given 12 days Casual leave per year, medical leave and

26 weeks of maternity leave. Provident Fund and Gratuity Benefits are also being provided for faculty members

6.4 – Financial Management and Resource Mobilization

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

The Institution has qualified Chartered Accountants to oversee the financial transactions. They also carry out Internal audits and ensure that all the procedures and guidelines set by the management are strictly adhered while carrying out the transactions. Concurrent audits are conducted by the audit team of the institution and report is submitted to the Chartered Accountant appointed by the Management. Annual audit is conducted by the chartered accountant appointed by the Management and the report is submitted to the Chairperson and Managing Trustee for further action. Apart from the above, Sri Krishna Trust has External Auditors who submit their reports and observations highlighting the corrective measures that need to be taken if any to ensure proper compliance. The External Auditors' reports are reviewed by Management and forwarded to the respective accountants / Internal Auditors to bring in the desired improvements in the areas highlighted by the External and Internal Auditors

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
No Data Entered/Not Applicable !!!		
View File		

6.4.3 – Total corpus fund generated

479000

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Senior Academicians	Yes	IQAC
Administrative	Yes	Senior Academicians and Auditors	Yes	IQAC

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

Parents teachers meeting, named as Academic Review Meeting (ARM) is conducted twice a semester. Regular conduct of Parent Teacher meet facilitates interaction that enables in building rapport and cooperation between parents and teachers. During the meetings, feedback is obtained from the parents and the same is used for nurturing the students and improving their progress. Parents are asked to meet the tutors whenever the attendance of the student goes below the stipulated level. Parents are involved in certain academic decision making process like the curriculum and syllabus revision. Feedbacks are obtained from them through the program advisory committee meetings. Parents are also represented in the IQAC committee. They are invited for IQAC meetings

to discuss about quality sustenance and other important initiatives of the college. The ARM for the academic year 2020-2021 was conducted online through Google Meet. The meeting was facilitated by the respective class tutors and parents were informed about the student's academic performance. Parents actively participated in this review meeting and also suggested their views on the betterment of the academic activities

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

Training for support staff is imparted on regular basis. Some of the training imparted are: a) Skill development related to their core area. b) Computer literacy programs for using the computers and software packages. c) Non teaching staff members are encouraged to pursue higher education. d) A general awareness program about precautions to be followed during pandemic and maintaining good self hygiene was conducted.

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

1. Revamping the Curriculum to suite the Industry Needs: The curriculum and syllabi is framed with input from more than 200 National and International benchmarks from academia and industry. This continuous improvement process in all departments has evolved into launch of a new UG Programme, viz, B.Tech Artificial Intelligence and Data Science (AIDS). Innovative, application oriented and skill based papers in latest disruptive technologies such as Artificial Intelligence, Block Chain, Autonomous cars, 3D printing, Soft Robotics, Machine learning have been introduced in all disciplines. Every course is coupled with live and real time industry visit and demonstrations such as Automobile feature demo, visit to power plants, transformer manufacturing units, prefabricated structures, dams, hydraulic structures and Trade Exhibitions. 2. ICT based Teaching Methodology and Emphasis on MOOC/Online Courses: Interactive Smart boards with audio visual facilities are installed in all the 115 classrooms and 5 Seminar Halls. Flipped Classroom Model is implemented and Google Classrooms are designed for each subject by the faculty in which the subject materials, periodic assignments and timeline based quizzes are posted. This aids the students to learn at their own pace and convenience with a social networked learning niche. Students are encouraged to undergo variety of MOOC/Online Courses in SWAYAM NPTEL platform every semester with credit transfer on to the academic record of the students. The quality of teaching learning process is sustained and improved even during the covid 19 pandemic period. The theory and lab classes are conducted through online mode for all UG and PG students since March 2020. Before the commencement of the classes, all study materials, video lectures and presentations of each faculty were reviewed by the Chairperson, Principal and the Heads of the Departments. All lecture materials were uploaded in Google classroom and classes were conducted through Google meet. Periodic online quizzes and assignments were conducted to evaluate the student's performance. 3. Innovation Culture: The Institution encourages the students to participate in National and International Level Hackathons. The National Level product building competition, viz, Smart India Hackathon - Software Edition is hosted for the 4th consecutive year in the Institution during August 2020 through virtual mode. The Prime Minister of India Shri.Narendra Modi virtually interacted with the students of our Institution during the event. Moreover, 3 teams have won first position in the SIH 2020 - hardware and software versions. In addition, students also participate and win accolades in International hackathons hosted by Oxford University, Princeton University, Harvard University, National University of Singapore and Major League Hacking conducted by Microsoft Corporation

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!					
View File					

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Getting Wings to Drive	19/07/2019	19/07/2019	200	Nil
Women's Day Celebration	06/03/2020	06/03/2020	200	Nil
E- Learning Teaching Tools	24/04/2020	24/04/2020	27	35
Face Mask Preparation	25/04/2020	25/04/2020	20	12
Use Out of Waste	26/04/2020	26/04/2020	100	18
Boost Your Immunity	27/04/2020	27/04/2020	45	Nil
Effect of Nutraceuticals for Respiratory Ailments	28/04/2020	28/04/2020	30	14
Nurture Your Immunity - Millet Diet for Homemakers	29/04/2020	29/04/2020	30	6
Power Distribution during Pandemic Period	29/04/2020	29/04/2020	45	20
No Panic During Pandemic- Talk	29/04/2020	29/04/2020	25	56
Stay Creative as a Family	30/04/2020	30/04/2020	36	12
Preventive	01/05/2020	01/05/2020	30	22

Precautions For Covid-19				
Fight Against Corona War- A Govt Nurse Perspective	02/05/2020	02/05/2020	20	25
Tame Your Temper	03/05/2020	03/05/2020	35	27

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
38.87

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	4
Provision for lift	Yes	2
Ramp/Rails	Yes	3
Braille Software/facilities	Yes	Nil
Rest Rooms	Yes	4
Scribes for examination	Yes	2
Special skill development for differently abled students	No	Nil
Any other similar facility	No	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
No Data Entered/Not Applicable !!!							
View File							

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Code of Ethics	19/06/2019	The Institution aims to impart human values and ethics to all the staff and students through extramural seminars by eminent personalities, special mandatory courses imparted through

curriculum and by encouraging them to participate in society centric activities organized by the NSS and other clubs. The Institution has a common Code of Ethics for all its stakeholders and the same is published in the website. In addition to this, the Institute also framed the Ethics in Hygiene for COVID 19 to be practiced in the Institution during the pandemic Code of Conduct: http://www.skcet.ac.in/naac_dvv/C207/7.1.1220-20CODE20OF20CONDUCT/7.1.12.pdf

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			
View File			

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

1. Solid Waste Management Solid waste composting is the process of producing organic manure from the organic decomposable waste materials. Production of manure from the waste has been done by both the vermi composting and ordinary composting methods in SKCET campus. The organic wastes (Tree branches, leaves, vegetable wastes, onion peels etc.) are collected from 9 different locations in and around the college campus and placed in the composting pits located near boy's hostel. The moisture content of the organic waste has been maintained by adding water with through mixing in proper time interval. The stored wastes are allowed for decomposition up to 45 - 60 days. Finally, the organic manure produced from the waste was stored in the bags and distributed for various purposes. 2. Liquid Waste Management The Liquid waste generated from the canteens/hostel mess and toilets are treated at the sewage treatment plant (STP) Located inside the campus. STP has been installed with a capacity of 450KLD behind the laboratory block. Recycled water is used for gardening purpose. Recycled water has slightly higher nutrient levels than drinking water, which is beneficial to plant growth. 3. Hazardous waste and E-Waste management The Hazardous wastes like the batteries are disposed through certified vendors as per the AMC contract signed with them. E-Wastes like the old PCs and printers are disposed through the buyback scheme. Other E-Wastes like CDs and cables are disposed through certified vendors. 4. Carbon Footprint reduction strategies The following strategies are followed for reducing the carbon footprints a) Vehicle pooling once in a week by faculty members. b) No pollution day inside the campus i.e. preventing the movement of vehicles inside the campus boundary once in every two weeks. c) Mass Transport: Our college facilitates transportation for both students and staff members to reduce the individual's fuel consumption d) Buildings provided with more natural ventilation and lighting facilities. e) Increasing the green area inside the campus with suitable plants that can control or absorb the carbon emissions from the campus community. 5. Rain Water Harvesting Structures and Utilization

in the Campus Rainwater harvesting is practiced at SKCET in three divergent ways: a) Roof top rainwater harvesting: Several rainwater harvesting pits are being constructed in the campus to raise the groundwater level which quells the water scarcity problems in our campus. b) Percolation pit with perforated concrete slabs: Percolation pits are being made with perforated concrete slabs, through which the rainwater flows through the underground tank where filtration takes place through Grating. c) Boreholes construction across channels in various places: Groundwater recharge is increased by constructing boreholes in the campus with a depth of 100 feet. Around 45 charging bore holes are being constructed across the waterways to improve the groundwater recharge.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice - 1

1. Title of the Practice Student hackathons
2. Objectives of the Practice To motivate the students to participate in leading national and international hackathons to showcase their creativity and encourage them to make innovative products.
3. The Context Our Institution considers student hackathons as a great destination for students to work on live projects and to provide solutions for real world problems
4. The Practice The Institution has motivated the student community to participate in National/International Hackthons through various clubs and associations like the Hack Club and maintain a healthy competitive community capable of creating innovative products. Moreover the students enthusiastically participate in Smart India Hackthon (SIH) - A pan India product building contest conducted by the Ministry of Higher Education and AICTE. The Institution is a proud host of SIH software version for 4 consecutive years. Student participation in International Hackathons peaked during the mid of the year 2020 and the SKCET student teams emerged as winners in most of the International hackathons in which they participated.
5. Evidence of Success SKCET students emerged victorious in various hackathons organized during the year 2020. Three teams have won first place in the SIH 2020 - Software and Hardware versions. Similarly, the students have won accolades in several international hackathons hosted by leading Universities like the Oxford University, Princeton University, Harvard University, National University of Singapore and Major League Hacking conducted by Microsoft Corporation. These hackathons have improved the confidence level of the students and fetched them internship/placements in leading industries
6. Problems Encountered and Resources Required The management has extended the required financial support to the students and motivated them to participate in the above mentioned hackathons. This paved the way for the students to concentrate in the contests and enabled them to emerge victorious in the events.

Best Practice - 2

1. Title of the Practice Conduct of Online classes, laboratories and examinations
2. Objectives of the Practice To conduct regular classes, lab schedules and end semester examinations for UG/PG students through an appropriate virtual platform during the COVID-19 pandemic lockdown.
3. The Context As a intermittent measure for conducting the regular classes during the COVID-19 pandemic lockdown period, online teaching has been implemented as a viable alternative. Classes were conducted through Google meet online platform
4. The Practice For conducting the online classes more effectively, the students belonging to each class were split into two batches. The presentation contents and study materials were posted in the Google Classroom Room (GCR) by the class handling faculty. The Institute had already adopted the practice of using GCR for submitting assignments and posting the class contents right from the academic year 2016 and the students are used to it. Quality video lectures from NPTEL and video presentations of professors belonging to premier Indian and Foreign Universities are also be posted in the GCR. Similarly, laboratories are also conducted through online mode. Virtual labs created by IITs and other Foreign Universities are used for conducting the lab class. End semester

examinations are conducted through the Artificial Intelligence (AI) powered online examination portal called EXAMLY. Through this portal, exams are conducted systematically in a proctored environment. 5. Evidence of Success Online quizzes and higher order thinking (HoT) questions are posted in GCR for each topic. Questions are allotted to the students every week and their performance is closely monitored. Continuous internal assessment (CIA) tests are conducted every month to understand the performance of the students. There is a steady spike in the grades of the students after attending the exams through online exams. 6. Problems Encountered and Resources Required The students require a strong uninterrupted bandwidth and a laptop with camera feature for attending the online classes and exams. Majority of the students got adapted to these practices very quickly and did not face any issues while attending the online classes and examinations. The data cards provided by the Tamil Nadu Government were also distributed to the students during February 2021

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

http://www.skcet.ac.in/SSR_Report/criterion7/7.2.1_Best_Practice.pdf

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

“Innovation and Research” are the thrust areas of the college which can align with its vision and mission. The focus on “Innovation and Research” is evident from the following activities: 1. Organising Smart India Hackathon (SIH) for 4 consecutive years: Smart India Hackathon (SIH) is a win-win platform to solve some of the pressing problems of various Ministries, Departments, Industries, PSUs and NGOs to create world class solutions in tune with the Digital India Mission of our Honourable Prime Minister Shri. Narendra Modi. It is a 36 hours non-stop digital product building competition, during which students’ teams from all over India race to offer innovative solutions in order to make our nation a highly advanced, developed and prosperous one. The central idea behind the scheme is to help the private sectors to hire the best minds from across the nation. The college has hosted Smart India Hackathon for the three consecutive years - Software Version, initiated by MHRD and AICTE, during 2017, 2018 2019 and 2020. In 2017 and 2018, our institution was the Nodal Centre at Coimbatore for the Ministry of Environment, Forests Climate Change. 2. Establishing MHRDs Institution Innovation Council (IIC): Institute Innovation Council (IIC) of Sri Krishna College of Engineering and Technology has established to systematically foster the culture of Innovation among the students across various departments inside the Institute. The Ministry of Human Resource Development (MHRD), Govt. of India has established MHRDs Innovation Cell (MIC) among all Higher Education Institutions. The focus of IIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes while they are informative years. The Institution Innovation Council is established to promote innovation in the Institution through multitudinous modes leading to an innovation promotion ecosystem in the campus. 3. Participating in Atal Ranking of Institution on Innovation Achievements (ARIIA): Ministry of Human Resource Development (MHRD) recognizes SKCET as a prominent Innovation Hub of the nation by awarding top 100 ranks in Atal Ranking of Institutions on Innovation Achievements (ARIIA) 2019. SKCET proves its prowess in the first edition of ARIIA by securing the top 100 rank among private institutions of India and 2nd rank in the year 2020 for its excellence in multi-disciplinary research and innovation ecosystem in the National front. 4. Obtaining Research Funds: The research imprint of SKCET reached a new peak by obtaining Research and Development funds to a tune of

9.86 Crores from various funding agencies like DST, UGC, AICTE etc. In addition, proposals to a total value of 49.46 Crores were submitted to various agencies. Faculty members have published 1000 research papers in Web of Science and Scopus indexed journals. 5. Innovative online teaching learning: Personalized guidance for each and every student with the availability of an instructor to discuss in group communication with self-discipline. Availability of Course material for self-learning with the continuous feedback and assessment for fine tuning of the teaching learning process with cost effectiveness and leading to a green environment

Provide the weblink of the institution

<http://www.skcet.ac.in/SSR Report/criterion7/7.3.1 Institutional distinctiveness.pdf>

8.Future Plans of Actions for Next Academic Year

- To obtain the highest grade of A plus plus in NAAC Accreditation - The Institution aims to obtain A Grade in the 2nd cycle accreditation. The SSR for 2nd cycle has been submitted and the Data Verification Validation (DVV) process is in progress.
- To obtain 70th rank in NIRF - The Institution had earlier set a target to enter within the top 70 positions in NIRF rankings. Last year SKCET is ranked 83rd in Government of India's NIRF Ranking in Engineering Category. This year the Institution has worked meticulously in the RD front and expecting to secure within the top 70 positions in NIRF 2021 Rankings.
- To Promote culture of innovation among students - Students are vibrantly participating in hackathons and contests organized at the National Level. This year, the students will be encouraged to participate in the hackathons and competitions organized at the International Level.
- To improve the perception of the Institution by participating in Contests and Winning Awards - Participating in prestigious contests and winning awards for outstanding performance shall improve the perception of the Institution.
- To motivate faculty to publish papers in reputed Scopus/Web of Science Journals and patent their innovations.
- To encourage students to participate in MOOC Courses - Students and faculty of SKCET have set an hall mark for the Institution by actively participating in SWAYAM NPTEL courses. Students shall also be encouraged to participate in other MOOC platforms like Coursera and edX.

AQAR 2019-2020



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