Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**SREE NARAYANA GURUKULAM COLLEGE OF ENGINEERING**
Name of the head of the Institution	**Dr. Kemthose P Paul**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04842597800**
Mobile no.	**9446045773**
Registered Email	**info@sngce.ac.in**
Alternate Email	**principal@sngce.ac.in**
Address	**SREE NARAYANA GURUKULAM COLLEGE OF ENGINEERING, KADAYIRIPPU, KOLENCHERY, ERNAKULAM DISTRICT, KERALA**
City/Town	**Ernakulam**
State/UT	**Kerala**

Pincode	**682311**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr. Satheeshbabu P K**
Phone no/Alternate Phone no.	**04842597800**
Mobile no.	**9946063772**
Registered Email	**iqac.sngce@gmail.com**
Alternate Email	**iqac@sngce.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	**https://sngce.ac.in/user/files/SNGCE_AQAR_2018-2019_report.pdf**

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://sngce.ac.in/iqac.php?id=MTgx&p=SVFBQw==&k=1

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B**	**2.63**	**2015**	**14-Sep-2015**	**13-Sep-2020**

6. Date of Establishment of IQAC	**06-Jan-2014**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

	IQAC		
ISO Audit	23-Sep-2019 8		150

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Nil	NA	Nil	2020 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View Link](#)
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 Uploaded File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

Conducted more number of Addon courses

Encouraged faculty members to pursue Doctoral Degree

Conducted a one week orientation programme for newly joined students.

Carried out internal and external academic audits.

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

Plan of Action	Achivements/Outcomes
Quality improvement programmes for Students	One week induction programme for first year students has been conducted
Add on courses	Conducted more number of Add-on courses
Academic audits	Conducted both internal and external academic audit to ensure the quality of teaching learning process
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Governing Body	14-Sep-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No

16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	15-Aug-2020

17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	The institution has its own management system developed internally for the institution to manage general administration, academic records of students including feedback reports. There is an attendance module for the students named "Gurudeepam" in the institution. There is a fingerprint biometric system to mark the attendance of all faculty members in the institution. The institution has a dspace and Moodle platform to share lecture notes, question banks and other academic documents with students.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

As an affiliated institution of APJ Abdul Kalam Technological University, SNGCE ensures effective curriculum delivery through Step 1 : Adhering to university regulations and university calendar Step 2: Centralized time table based on university guidelines Step 3: Faculty competency based subject allocation Step 4: Planning and monitoring curriculum and course delivery through Academic Committees like Internal Quality Assurance Cell , Department Advisory Committee, Department Quality Assurance Cell, Program Assessment Committee, Course Assessment Committee and the Academic Council. Step 5:Add on programs are offered. Step 6: Preparation of Course delivery plan by faculty and regularly updating records of course delivery, attendance, assessments etc. Step 7: CT enabled teaching using virtual meeting tool-Google Meet and learning management system like Google Classroom. Step 8: Offering additional pedagogical initiatives like flipped classrooms, blended learning, hands-on training in different labs, industry projects and internships, etc. Step 9: Conducting Class committee meetings, collecting Feedback on curriculum, teaching, and course outcomes each semester and analyzing at institutional and departmental levels. Step 10: Measuring curricular delivery, suggesting resolutions and documentation by internal and external audits at the level of IQAC, University (KTU Audit) and ISO Audit. Before the commencement of the academic year, the university publishes an 'Academic calendar' containing the relevant information regarding the teaching-learning schedule, various events to be organized, holidays, dates of internal examination, semester examination etc. The student's academic progress is monitored regularly by adopting the strategy of continuous internal evaluation, seminars, project work and semester examinations. For the implementation of the Internal Assessment Process, an Examination committee is formed at the college level. Each department's Time table Coordinator prepares the timetable, which is displayed on notice boards of every department. Faculty will prepare lecture plans based on the given calendar. The dates of the CIE Exams are mentioned in the academic calendar. Regarding labs and projects, internal viva and practical exams are conducted by respective departments before/after the university examinations. The question paper of internal exams is prepared by concerned faculties and approved by the department head and DQAC. Assignments are provided to students on the scheduled dates mentioned in the academic calendar as a part of CIE. The tentative dates for university exams are indicated in the academic calendar. In unseen conditions, the academic calendar is modified per the instructions of the Head of the Institution.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Coursera, IT security: Defence against the digital dark arts	Nil	23/08/2019	5	Employability	Skill Development
NPTEL, Database Management	Nil	08/07/2019	6	Entrepreneurship	Skill Development

System					
NPTEL, Datascience for Engineers	Nil	15/07/2019	40	Entrepreneurship	Skill Development
Add on- Aptitude Accelerate	Nil	03/06/2019	40	Entrepreneurship	Skill Development
Add on- Electrical CAD	Nil	01/07/2019	5	Entrepreneurship	Skill Development
Add on- Electrical System Design	Nil	03/01/2020	5	Entrepreneurship	Skill Development
Add on- Electrical System Design	Nil	06/07/2019	5	Entrepreneurship	Skill Development
LEAP- Leadership and Employability Acceleration Program	Nil	29/07/2019	5	Entrepreneurship	Skill Development
SMART - Student Mentoring and Aptitude Rediness Training	Nil	01/08/2019	5	Entrepreneurship	Skill Development
Aptitude Enhancement	Nil	01/08/2019	5	Entrepreneurship	Skill Development
INTRODUCTION TO HTML5	Nil	03/06/2019	30	Entrepreneurship	Skill Development
PROGRAMMING FOR EVERY BODY	Nil	01/07/2019	30	Entrepreneurship	Skill Development
AutoCAD	Nil	06/07/2019	80	Entrepreneurship	Skill Development
AutoCAD	Nil	29/07/2019	30	Employability	Skill Development
C Plus Plus	Nil	01/08/2019	30	Employability	Skill Development
MATLAB for Engineers	Nil	25/07/2019	5	Employability	Skill Development
3D Structural Analysis	Nil	25/05/2020	5	Employability	Skill Development

Design using STAAD.Pro V8i and Project Management techniques using MS PROJECT					
Add on Course on NISA	Nil	10/12/2019	5	Employability	Skill Development
Advanced concrete Technology	Nil	27/02/2020	5	Employability	Skill Development
Aptitude training	Nil	08/03/2020	5	Employability	Skill Development
Add on basics of materials engineering	Nil	10/08/2019	5	Employability	Skill Development
Add on advanced manufacturing technology	Nil	08/03/2020	5	Employability	Skill Development
Ethical Hacking	Nil	08/10/2019	5	Employability	Skill Development
Deep Learning with TensorFlow in Python	Nil	11/02/2020	5	Employability	Skill Development
Coursera, Using Python to Acess Web Data	Nil	21/08/2019	5	Employability	Skill Development
Courera, Programming for Everybody(Getting Started with Python)	Nil	11/04/2020	5	Employability	Skill Development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	Nil	Nill

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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System

BTech	EC465 MEMS	01/08/2019
BTech	EC468 SECURE COMMUNICATION	01/08/2019
BTech	CE488 DISASTER MANAGEMENT	01/08/2019

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

	Certificate	Diploma Course
Number of Students	682	0

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
MATLAB for Engineers	27/07/2019	10
Add on Course on NISA	10/12/2019	10
Advanced concrete Technology	27/02/2020	90
Aptitude training	08/03/2020	54
Ethical Hacking	08/10/2019	94
Deep Learning with TensorFlow in Python	11/02/2020	49
Courera, Programming for Everybody(Getting Started with Python)	11/04/2020	4
NPTEL, Database Management System	15/07/2019	4
Add on-Aptitude Accelerate	03/06/2019	13
Add on-Electrical CAD	01/07/2019	23
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	EEE	4
BTech	Master of Computer Applications	9
BTech	CSE	18
BTech	NASB	10
BTech	ME	10
MBA	MBA	18
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes

Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
Feedback is an essential part of our continuous endeavour to overcome challenges, achieveexcellence in teaching and learning process, and identify areas for further development. Thisreport focuses on the feedback received from students, teachers , alumnae and employers. Objectives of the Feedback: 1. To understand the expectations of the industry and cater for the needs of the industryby creating competencies that required for the industry through academic learning2. To know the fundamental requirement of the current scenario and reduce the gapbetween market demand and supply of candidates who can cater to the needs of theindustry. 3. To understand the real challenges faced by the alums while working in the industryand practical exposure through syllabus learning 4. To provide necessary changes for upgrading the syllabus based on their expertiseandteaching enrichment while carrying out the process of teaching-learning. 5. To provide necessary upgrading in the content of the syllabus, current trends invarious areas of management and reduce the out-dated portion of the syllabus fromthe curriculum STUDENT'S FEEDBACK: The Students' Feedback of SREE NARAYANA GURUKULAM COLLEGE OF ENGINEERING is designed to assess students' perception of the curriculum regarding design and delivery, teachers' commitment and efforts, and students' overall learning experience.

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
BTech	Electronics and Communication Engineering	90	318	30
BTech	Civil Engineering	90	318	22
BTech	Electrical andElectronics Engineering	60	318	9
BTech	Computer Science and Engineering	90	318	92
BTech	Mechanical Engineering	90	318	30
BTech	Naval Architecture and Ship Building	60	318	54
MBA	MBA	120	150	120

MCA	MCA	90	122	90

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled 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	200	63	118	23	8

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
149	149	4	10	3	2

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

Group Tutor system is followed for all batches of students. Each student is assigned to a staff, grooup tutor throughout his or her period of study. The tutor offers counselling and guidance to the student on a one to one basis. The tutor maintains a record of all activities and marks of the student.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1217	149	1:8

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
149	149	0	21	19

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
Nill	Nil	Nill	NA

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	BTC	Semester	21/08/2020	25/09/2020
Mtech	MTC	Semester	03/08/2020	07/09/2020
MBA	MBA	Semester	07/08/2020	25/09/2020
MCA	MCA	Semester	07/08/2020	26/09/2020

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Scheduling Conduct of Internal Examination The Exam cell of the institute follows the following guidelines for conducting the CIE in line with the Academic calendar of the University. As per the guidelines, the procedure for effectively conducting CIE is as follows: ? The notice of the date of the internal examination and time table is published in college website and also communicated through student WhatsApp groups well in advance. ? Scheduling of Internal Examination, Seating arrangements, duty list of invigilators are prepared for for every examination. ? Preparing the question paper for the internal examination in the prescribed pattern based on Knowledge level using revised Bloom's taxonomy. ? Scrutiny of the prepared question paper is carried out by HoD/ DQAC members of the Department to ensure quality of the Question paper. ? Student's attendance is monitored during the examination. Internal Examination Evaluation Process ? The evaluation of answer script is completed in seven days. ? After the evaluation, the faculty members discuss the expected answers and the evaluation scheme with the students. ? The Internal Assessment books are given to the students for verification of marks and answers as per the scheme of evaluation. ? Parents Teachers Association (PTA) meetings are organized each semester. During PTA meetings, parents are informed about their ward's performance in internal assessment, including attendance, extra-curricular activities and achievements. ? Class committee meetings are conducted at frequent intervals.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Before the commencement of the academic year, the university publishes an Academic calendar containing the relevant information regarding the teaching-learning schedule, various events to be organized, holidays, dates of internal examination, semester examination etc. The students academic progress is monitored regularly by adopting the strategy of continuous internal evaluation, seminars, project work and semester examinations. For the implementation of the Internal Assessment Process, an Examination committee is formed at the college level. Each departments Time table Coordinator prepares the timetable, which is displayed on notice boards of every department. Faculty will prepare lecture plans based on the given calendar. The dates of the CIE Exams are mentioned in the academic calendar. Regarding labs and projects, internal viva and practical exams are conducted by respective departments before/after the university examinations. The question paper of internal exams is prepared by concerned faculties and approved by the department head and DQAC. Assignments are provided to students on the scheduled dates mentioned in the academic calendar as a part of CIE. The tentative dates for university exams are indicated in the academic calendar. In unseen conditions, the academic calendar is modified per the instructions of the Head of the Institution.

2.6 – Student Performance and Learning Outcomes

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

https://sngce.ac.in/naac/AQAR/criteria2/C2_2-6-1_2019-2020_1.pdf

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
BTC	BTech	BTech in Civil Engineering	92	90	98
BTC	BTech	M.Tech in Civil Engineering(SECM)	14	14	100
BTC	BTech	M.Tech in Civil Engineering(CASE)	4	4	100
BTC	BTech	B.Tech in Mechanical Engineering	74	70	95
BTC	BTech	B.Tech. in Computer Science & Engineering	92	89	97
BTC	BTech	B.Tech in Naval Architecture& Ship Building	48	48	100
BTC	BTech	B.Tech in Electronics & Communication	33	29	88
BTC	BTech	B.Tech in Electrical & Electronics Engineering	23	21	91
MBA	MBA	Master in Business Administration	66	65	98
MCA	MCA	Master in Computer Applications	105	83	79

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2.7 – Student Satisfaction Survey

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

http://sngce.ac.in/naac/AQAR/criteria2/Student_satisfaction_survey.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Nill	0	Nil	0	0

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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Soft skill Training	SNGCE	06/09/2019
Language and Communication Training	SNGCE	10/08/2019
Talk on time management	SNGCE	12/09/2019
Hands on training on Development of research Quality graphs	SNGCE	02/01/2019
Workshop on Introduction to Origin-Pro	SNGCE	17/01/2020
Webinar on Research Scope in Image Processing	SNGCE	03/02/2020
Workshop on MongoDB	SNGCE	16/12/2019
workshop on Android App Development Projects	SNGCE	22/07/2019
Flutter Workshop	SNGCE	27/09/2019
Seminar on IPR its importance	SNGCE	18/07/2019
Workshop on Programming in Embedded C	SNGCE	22/07/2019
Seminar on Enterpreneurship skill and behaviour development	SNGCE	06/03/2020
Workshop on servicing of household electric appliances	SNGCE	29/02/2020
Workshop on technical book writing	SNGCE	07/01/2020
Seminar on CNC machining Programming for research	SNGCE	10/03/2020
Seminar on Role of startups in nation building	SNGCE	12/02/2020
Seminar on understanding plagiarism	SNGCE	24/02/2020
Workshop on Royal enfield	SNGCE	21/10/2019
Workshop on engine over	SNGCE	21/10/2019

hauling		
Guest lecture on Career Opportunities in Merchant Navy	SNGCE	10/07/2019
Guest Lecture on Major classification rule amendments in 2025	SNGCE	20/02/2020
Seminar on Responsible Engineering Occupational crime	SNGCE	18/10/2019
Handicrafts from Recycled Materials	SNGCE	18/09/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Nil	NA	Nil	Nill	Nil

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
SNG	Gurukulam Technological Busisness Incubation Centre	SNGCE	Lancier	Software	03/06/2019

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
1	0	0

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

Name of the Department	Number of PhD's Awarded
Nil	0

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Civil Engineering	5	5
International	Computer Science and Engineering	2	5
Nill	Naval Architecture and Ship Building	1	5
Nill	Mathematics	2	5
Nill	Electrical and Electronics Engineering	1	5

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

Department	Number of Publication
Civil Engineering	3
Mechanical Engineering	4
Naval Architecture and Ship Building	5
Electrical and Electronics Engineering	1

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Nil	NA	NA	Nill	0	Nil	0

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Nil	NA	NA	Nill	0	0	Nil

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	34	57	3	2
Presented papers	9	6	0	0
Resource persons	4	2	0	3

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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Industrial Visit	Pallivasal hydroelectric power station	3	20

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Natural Resource Protection Force Training	Certificate of Appreciation	APJ Abdul Kalam Technological University	50
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
NSS	NSS	Three Day Camp-Services	8	48
NSS	NSS	Wayanadinoru Kaithangu	2	7
NSS	NSS	Volunteer secretory meet-State camp	1	4
NSS	NSS	Packing activity-Flood relief	3	16
NSS	NSS	Rebuild Kerala	4	30
NSS	NSS	Anti drug exhibition	2	20
NSS	NSS	Snehavirunn	2	16
NSS	NSS	Disaster management training	2	26
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Industrial Visit	20	SNGCE	1
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Nil	Nil	Nil	Nill	Nill	00

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year			
Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Nil	Nill	Nil	0
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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
122.85	120.4

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
Others	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
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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
Topscore Solution	Fully	Library Ex.plus	2009

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	44281	380201	42	47246	44323	427447
Journals	141	0	1	146754	142	146754
e-Journals	4	598158	0	0	4	598158
Digital Database	3	0	0	0	3	0
CD & Video	480	13157	0	0	480	13157

Library Automation	1	30000	0	0	1	30000
Weeding (hard & soft)	91	27825	0	0	91	27825

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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
Nil	NA	Nil	Nill

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	800	10	800	4	2	22	31	100	2
Added	0	0	0	0	0	0	0	0	0
Total	800	10	800	4	2	22	31	100	2

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Nil	Nill

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 incurredon maintenance of physical facilites
175	184.13	75	69.44

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

Work environment The management has provided a congenial work environment by way of ergonomically arranged lecture halls, furniture, toilet facilities as well as housekeeping, control of noise and pollution, etc. needed for effective teaching-learning process. Maintenance procedure All equipment, machinery and instruments used are identified properly.The maintenance of equipment, building, premises and fittings is the responsibility of the custodian, section in charge, maintenance coordinator, etc. as the case may be. Maintenance

calendar for the College drawn up by the Maintenance coordinator in consultation with specialists, if necessary, for ensuring satisfactory up-keep. The maintenance coordinator ensures maintenance activities are progressed as per planned schedule. Assistance of lab. instructors and tradesmen are utilized depending on the specializations of the work. Routine maintenances of certain equipment are periodically done by an AMC service provider. The AMC services are monitored by the custodian or maintenance coordinator as the case may be.Certain maintenance activities may be off-loaded to service providers. The Maintenance coordinator is to oversee such out-sourced activities. Necessary records and registers are maintained for future reference. The staff in charge ensures that all the equipment and machinery in their custody are well maintained. List of equipment, with their names, date of purchase, date of installation, manufacturer, supplier, cost, accessories/parts if any, etc. are maintained by staff-in-charges.

https://sngce.ac.in/naac/AQAR/criteria4/C4_4-4-2_2019-2020.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	SNGCE Scholarships	225	3561000
Financial Support from Other Sources			
a) National	Government	108	6953600
b)International	Nil	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Employability Enhancement Program on Electrical CAD Design	01/07/2019	23	Smitha N P, Faculty, EEE Dept.
Interpersonal skill development and Team building	22/08/2019	22	Saritha K.S ,Associate Professor,EEE,SNGCE
Leadership styles and qualities	02/05/2020	23	Saritha K.S ,Associate Professor,EEE,SNGCE
BEST WAYS TO IMPROVE YOUR EMOTIONAL INTELLIGENCE	02/12/2020	94	JITHISH K S
Induction pgm yoga (GENERAL)	22/07/2019	59	Mataji Sabari
An Insight to Improve Body language	03/04/2020	33	TED TALKS

A TALK ON MS EXCEL	18/02/2020	127	Rajesh Kumar R
Google Talks	13/11/2019	35	Jeril Jose, SIGNNESS TECHNOLOGIES LTD.

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Aptitude Essentials	9	9	9	9
2019	Aptitude Accelerate	13	13	13	13
2019	Aptitude Elite	27	27	27	27
2020	Aptitude Test -Diagrammatic Reasoning(L1,L2)	11	11	11	11
2020	Aptitude Test -Numerical Reasoning(L3,L4)	11	11	11	11
2020	Aptitude Test-Verbal Reasoning (L5,L6)	25	25	25	25
2020	PLACEMENT TRAINING (C8)	90	90	90	90

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 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
3	3	7

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed

Infosys, Tech Mahindra, AAPT, OMNEX, Shriam Group IBS, Support Sages, Tessolve, Sutherland, Zerone, Amazon, Sicagen, Image, Bell technolabs, Mitisigo, HGS, Infosys, BPO, HP	275	138	ICICI Sec Armia Systems ESAF Bank Esaf Microfinance HGS HDFC BANK V Guard ITC Noble Info Pvt Ltd IMS LT Finance	75	21
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	5	BTech	Civil Engineering	Amrita, SNG, Universities, NITCE,	Masters
2019	2	BTech	Electrical and Electronics Engineering	Conestoga College , Canada and sault college, canada	Masters
2019	1	BTech	Electronics and Communication Engineering	Deggendorf Institute of Technology	Masters
2019	3	BTech	Computer Science and Engineering	MACE and Universities	Masters
2019	1	MCA	MCA	University of Salford, Manchester	MSc Cyber Security
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
Any Other	6
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Apocalypso-Gurutwa	National	1
Campus Ambassador For The Event Spectrum	University	1
KTU D-Zone Cricket Men	University	12
University Inter Collegiate Cricket Tournament	University	1
KTU Mens Athletics	University	3
KTU D-Zone Badminton Mens	University	6
KTU D-Zone Badminton Womens	University	4
KTU D-Zone Mens Kabaddi	University	12
KTU D-Zone Mens Volleyball	University	12
List is attached for the remaining	Nill	Nill

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	MMA Amateur Championship -2019	National	1	Nill	Nil	Ronak K
2019	All Kerala Inter Collegiate Foot ball Championship	National	1	Nill	Nil	Akshay M Pavi & Team
2019	University Inter Collegiate Cricket Tournament	National	1	Nill	Nil	Basil C Eldho

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

Students representation and engagement in administrative, co-curricular, and extracurricular activities play an important role in their overall development

and the functioning of educational institutions. Their roles in various activities are as follows: Administrative Activities: With students representation in administrative activities students learn about leadership, teamwork, negotiation, and problem-solving skills. It involves students participation in the following- a) College Students council b) Class representatives c) Class committees d) Course Committees Co-curricular Activities: Co-curricular activities refer to activities that complement the academic curriculum and enhance the overall learning experience. These activities are usually organized and supervised by the college or student organizations. It involves students participation in the following- a) Department Association activities b) Club activities c) IEEE activities Extracurricular Activities: They offer students opportunities to pursue their passions, develop hobbies, and engage in recreational and athletic activities. Institution celebrates national and international commemorative days. Extracurricular activities like Arts festival, sports teams, clubs provide a platform for students to showcase their talents and achievements.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The institute maintains links with Alumni for getting necessary information on current issues and challenges in the industries. The alumni feedback gives favourable suggestions on domains to be enhanced in achieving greater focus and improving the various aspects. The college maintains an Alumni Portal. This portal has been created especially for the pass out students to socialize and interact with other alumni and students. Our vision is that through this platform we will be in a position to catch up with each other, share ideas and support each other. Alumni Contribution Institute takes Alumni Feedback to improve the functioning and services of the organization. Alumni meet is organized once in every year in the institute to network and collaborate with the Alumni. The alumni association works as partners to bridge the gap between the industry and academics. Alumni also support in placement and continue to bring a good name to the organization. Alumni interactions are conducted department wise to share their experiences and knowledge with our students The Alumni provide feedback on the curriculum contributing to the curriculum design process The alumni of SNGCE serve as members of IQAC, Department Advisory Committee and play a critical role in identifying add-on courses for the students in line with industry expectation SNGCE 2014 EEE batch Fahima Backer memorial endowment is awarded to the top scorer in the Electrical and Electronics Engineering branch every year.

5.4.2 – No. of enrolled Alumni:

3400

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

1. SNGCE UAE Chapter provide guidance on job opportunities available in their respective geographical locations 2. Institute takes Alumni Feedback to improve the functioning and services of the organization. 3. Alumni meet is organized once in every year in the institute to network and collaborate with the Alumni. 4. The alumni association works as partners to bridge the gap between the industry and academics. 5. Alumni also support in placement and continue to bring a good name to the organization. 6. Alumni interactions are conducted department wise to share their experiences and knowledge with our students 7.

The Alumni provide feedback on the curriculum contributing to the curriculum design process 8. The alumni of SNGCE serve as members of IQAC, Department Advisory Committee and play a critical role in identifying add-on courses for the students in line with industry expectation 9. SNGCE 2014 EEE batch Fahima Backer memorial endowment is awarded to the top scorer in the Electrical and Electronics Engineering branch every year.

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)

In the case of SNGCE, the effective leadership is evident through their institutional practices such as decentralization and participative management. These practices reflect a commitment to inclusive decision-making and empowering their faculty and staff members. SNGCEs adoption of decentralization implies that decision-making authority is delegated to different levels or departments within the institution. This approach allows for more efficient and timely decision-making, as decisions can be made by those who are closest to the specific issues. SNGCEs emphasis on participative management highlights their commitment to involving faculty and staff members in the decision-making process. This approach recognizes the value of diverse perspectives and expertise. By actively seeking input and involvement from employees, SNGCE ensures that decisions are well-informed and reflective of the collective wisdom of the institution. Participative management fosters a sense of inclusivity, engagement, and ownership among faculty members, leading to increased motivation and commitment. Overall, SNGCEs implementation of decentralization and participative management practices demonstrates their commitment to effective leadership and a shared vision for the institutions success. These practices contribute to a positive work environment, fostering collaboration and empowering faculty and staff members to contribute to the institutions growth and development.

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
Teaching and Learning	• Implementing innovative teaching methods, incorporating active learning techniques, promoting student engagement, and utilizing technology to enhance the overall learning experience. • Cultivating leadership skills among faculty and staff, encouraging participative decisionmaking processes, fostering a collaborative work culture, and empowering individuals to take ownership of their responsibilities. • Implementing mechanisms to monitor and evaluate the quality of education, including regular audits, feedback systems, and reviews, ensuring continuous improvement and adherence to

	set standards. • Implementing transparent and accountable governance practices, promoting ethical conduct, effective decision-making, and adherence to regulations and policies. • Providing a conducive environment for holistic student development, including extracurricular activities, student clubs and organizations, leadership opportunities, and fostering a culture of active student participation. • Investing in professional development programs, training initiatives, and creating a supportive work environment that values the well-being and growth of faculty and staff. • Implementing sound financial management practices, budget planning, resource allocation, and monitoring to ensure effective utilization of resources and financial sustainability.
Curriculum Development	The curriculum design is based on enhancing and empowering the knowledge base of the students and thereby focuses on the recent trends in scientific and cognitive fields. Principal conducts the College council meeting to discuss the present needs of the industry, skill sets to be acquired by the student, designing the curriculum, effective teaching - learning processes, etc.
Examination and Evaluation	To improve the performance of the students, internal assessment through internal exams and assignments is conducted periodically and the results are reviewed/ displayed for the students.
Library, ICT and Physical Infrastructure / Instrumentation	SNGCE has a digital library. Digital Library is a digital service that collects, preserves, and distributes digital material. Repositories are important tools for preserving an organization
Human Resource Management	Transparent policy document Transparent and scientific way of selections Imparting related training for Formulation and communication of policies of the college. Support for academic advancement. Systematic performance appraisal system and guidance to the people concerned. Democratic way of administration with participative management.
Industry Interaction / Collaboration	Organizing industrial visits to various industries for students

	Deputing faculty and staff for industrial training Guest lectures by the experts from industry and interactive sessions with the students Technical talks and seminars by eminent personalities from industries.
Admission of Students	Well Organized Admission Procedures-Seats are filled by regular admission procedure through web counseling, KEAM conducted by Government of Kerala giving representations to all categories as per norms. All these admissions are scrutinized by admission committee in the college thereafter. All the procedures are provided and updated in the college website from time to time for transparency.

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

E-governace area	Details
Administration	Use KIN-SYS ERP software. Administration and library activities are completely computerized.
Planning and Development	Planning and Development activities are computerized.
Finance and Accounts	Finance and Accounts activities are completely computerized.
Student Admission and Support	Student Admission records are completely computerized.
Examination	Examination registration activities are completely computerized.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	PROF USHA S	GREEN ENERGY ENVIRONMENT ENGINEERING AND TECHNOLOGY	College	500
2019	PROF USHA S	GEOPOLYMER CONCRETE	College	200
2019	PROF USHA S	DESIGN OF ADVANCED CONCRTE STRUCTURES	College	400
2019	Indu K Simon	Innovations and Challenges in Micrognd at Adi Shankara	College	200

2019	Smitha N P	Innovations and Challenges in Micrognd at Adi Shankara Institute of Engineering and Technology. Kalady	College	200
2019	Saritha Sathyan	National workshop on data science in association with data camp	College	200
2019	Dr.Anoopkumar M	National workshop on data science in association with data camp	College	1000
2019	VIJESH V. V	INTERNATIONAL CONFERENCE AT NURAL ISLAM CENTRE FOR HIGHER EDUCATION	College	200
2019	DR SUPRABHA T	KTU SPONSORED FDP	College	200
2019	DR. PREETHA VARGHESE	KTU SPONSORED FDP	College	200
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Nil	Nil	Nill	Nill	0	0
No file uploaded.						

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
FDP on Random Vibrations	1	09/12/2019	14/12/2019	6

Geopolymer Concrete	1	29/08/2019	31/08/2019	3
Practical Ship Design usiing GHS	8	22/01/2019	27/01/2019	6
List is attached for the remaining	Nill	Nill	Nill	Nill

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
149	149	51	51

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Staff Recreation Club	Doctor available in campus	Student Councillor in campus Gymnasium and sports facility

6.4 – Financial Management and Resource Mobilization

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

In SNGCE (Sree Narayana Gurukulam College of Engineering), various internal and external financial audits are conducted throughout the year to ensure financial transparency, accountability, and compliance. The main types of audits include: Internal Audits: Internal audits are carried out by an independent internal audit team within the college. These audits assess the effectiveness of internal controls, financial reporting processes, and adherence to college policies and procedures. Internal audits are conducted periodically to identify areas for improvement and risk mitigation. External Audits: External audits are performed by an independent external audit firm appointed by the college. These audits verify the accuracy and completeness of financial statements and ensure compliance with relevant accounting standards and statutory requirements. External audits provide an objective assessment of the colleges financial health and build trust with stakeholders. Government Audits: SNGCE may undergo audits by government agencies responsible for overseeing educational institutions finances. These audits ensure that the college complies with all applicable laws and regulations related to educational institutions and financial management. The mechanism for settling audit objections in SNGCE follows a structured process. When audit findings or objections are raised, the concerned departments or individuals are informed of the findings. They are given an opportunity to respond to the audit observations and provide clarifications or corrective actions if necessary. The audit committee or management reviews the responses and works with the relevant departments to address the issues raised during the audit. Timely resolution of audit objections is prioritized, and appropriate actions are taken to rectify any deficiencies or discrepancies found during the audit process. The objective is to ensure that the colleges financial records are accurate, reliable, and compliant with all relevant regulations and standards.

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	Funds/ Grnats received in Rs.	Purpose

funding agencies /individuals		
Nil	0	Nil
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6.4.3 – Total corpus fund generated
00

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	KTU	Yes	IQAC
Administrative	Yes	Bureau Veritas	Yes	IQAC

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

The PTA (Parent – Teacher Association) help students for industrial visit and internship. PTA executive committee suggestions are collected to improve the process teaching learning. Parents meet for keeping them updated regarding performance of their wards and the Parents feedback are recorded for taking necessary corrective actions.

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

Workshop on Advanced Excel course was conducted for non teaching staff.

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

NBA accreditation for remaining branches.

6.5.5 – Internal Quality Assurance System Details

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

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
2019	Workshop on Development of Research Quality Graphs	26/02/2020	26/02/2020	28/02/2020	30
2020	Workshop on Basics of Python Programming	20/01/2020	20/01/2020	Nill	25
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Womens Day Celebration Programmes	09/03/2020	09/03/2020	172	0

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
1. Solar energy 2. Biogas plant 3. Wheeling to the Grid 4. Sensor-based energy conservation 5. Use of LED bulbs/ power efficient equipment

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	5
Provision for lift	Yes	4
Ramp/Rails	Yes	4
Rest Rooms	Yes	2

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
Nill	0	0	Nill	Nill	Nil	00	0
No file uploaded.							

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Professional ethics	10/02/2020	Professional ethics

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Nil	Nil	Nil	0
No file uploaded.			

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

1. Restricted entry of automobiles 2. Use of Bicycles/ Battery powered vehicles 3. Pedestrian Friendly pathways 4. Ban on use of Plastic 5. landscaping with trees and plants

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Student Improvement Programme To enhance overall performance of all the students To improve the employability index of students The Context SIP activities are intended to transform the students into autonomous learners and to inculcate the spirit of lifelong learning. SIP promotes self- learning. Under SIP every student is motivated to learn for self development. SIP is based on the principles of Outcome Based Education (OBE). The practice Each class/ batch is divided into different groups according to the strength in each class. Each group will be under a teacher who will be responsible for the academic and nonacademic activities of each student in the group. This process continues for the entire semester. Evidence of success The SIP has contributed to large scale reduction in back papers leading to Zero Supply Status (ZSS) and also to enhance the performance of all the students in the University examinations. SIP helped the students to get placed by the time they are in the final semester. The Problems encountered and resources required. The workload of individual teachers has increased tremendously. Teachers have to spend a lot of time with each student to mentor him/her and ensure change in learning style and also help them in acquiring latest industry ready skills. Best Practice-II 1. Title of the Practice FAB-LAB 2. Objectives of the Practice To empower students to create smart devices and technology enabled products To provide stimulus for local entrepreneurship culture. 3. The Context SNGCE Fab-Lab is a technical prototyping platform for innovation and inventions .This acts as a facility that provides a stimulus for local entrepreneurship. It helps the students to explore and develop their ideas into new devices. 4. The Practice. The Fab-Lab in SNGCE is being used effectively by both teachers and students . All the students of different engineering department of the college are given opportunity to use this facility .The faculty member in charge of the Fab-Lab explains and demonstrates the working of all the equipment in the Fab-Lab 5. Evidence of Success There is an increase in the number of students who are benefited by using the FAB Lab facility.Final year students are making the prototype of their project in FAb Lab. 6.Problems Faced and resources required. One of the problems faced by the Fab-Lab is that few faculty members who have been trained in the operation and maintenance of the equipment in the lab quit the job during the pandemic and SNGCE had to identify talented faculty members in their place.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://sngce.ac.in/naac/AQAR/criteria7/C7_7-2-1_2019-2020_2.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

Sree Narayana Gurukulam College of Engineering is a leading educational institution in Kerala, , affiliated to the APJ Abdul Kalam Technological University, offering undergraduate and postgraduate courses in engineering and management. The college is known for its unique practices and commitment to academic excellence. SNGCE has a vibrant student life with a range of student-led organizations. These organizations include the Institute of Electrical and Electronics Engineers (IEEE), the Innovation and Entrepreneurship Development Cell (IEDC), the National Service Scheme (NSS), and Department associations. These organizations provide students opportunities to develop their skills, network with industry leaders, and contribute to their communities. Another unique practice at SNGCE is the focus on developing students leadership skills. The college provides opportunities for students to develop their leadership abilities, through student clubs and organizations. . The college has adopted a student-centered approach to learning, which emphasizes active learning and critical thinking. . This helps in producing graduates who are technically

proficient with critical thinking and problem-solving skills The emphasis on social responsibility and community services is another notable unique practice at SNGCE.The NSS unit of the college takes several initiatives to serve the society. The program has been successful in promoting environmental awareness and social commitment

Provide the weblink of the institution
https://www.sngce.ac.in

8.Future Plans of Actions for Next Academic Year

Faculty Empowerment programmes: Each department has to plan to conduct at least one faculty development programme and an international conference during the coming academic year to refine the quality of faculty members. Promotion of Research: To promote research oriented activities and to develop research interest in Faculty members, need to arrange more workshops and trainings. Strengthen Academic Activities: Strengthen the teaching, learning and evaluation processes to improve the results/higher studies/placements by the scenario of the institution. ICT enabled teaching: Covid-19 pandemic affects class room teaching in a serious manner, so need to encourage teachers and students for ICT enabled teaching and learning at its maximum. Activities related to IPR: Fortify the IPR related activities of the institution.